

SPRING/SUMMER 2026



Craft-Laser 800 / 1500 S / 2000 WS

Hand-held laser welding machines are the **newest revolution** in welding technology and have unbeatable advantages in the thin sheet metal sector compared to the previous conventional welding process

ADVANTAGES LASER WELDING

compared to conventional welding processes

- + Hardly any warping, incredibly fast, incredibly good quality (even with very thin materials <1 mm)
- + Consumes approx. 70 % less energy
- + Quick and easy to learn
- + High process reliability
- + Extreme time savings with greatly reduced reworking at the same time

CRAFT LASER ADVANTAGES:

- + Laser cleaning with up to 100 mm scan width with autofocus
- + 2 in 1 device: Welding / Cleaning
- + Complete synergy - no more parameter lists
- + Easy to service - no need to send machine in for maintenance
- + One of the lightest burners on the market at 680 g
- + 2-channel safety loop for maximum safety
- + Programme selection and wire feed ON/OFF possible via laser gun

SECURITY:

- ▶ 2-channel emergency stop system
- ▶ 2-channel safety interface for access monitoring (door contact switch)
- ▶ Key switch to prevent unauthorised use
- ▶ 2-channel fibre breakage detection and monitored QBH connection
- ▶ Safety instructions and manual activation of the laser release at each start
- ▶ Double push-button prevents unintentional activation of the laser emission
- ▶ Connection for signal light (24V)

SIMPLE SERVICE:

- ▶ Replaceable burner and hosepack
- ▶ Laser cell can be replaced using swap procedure
- ▶ Interchangeable circuit boards and displays
- ▶ Laser centre offset can be corrected in the control system without calibration
- ▶ System can be upgraded and updated

CRAFT-LASER 800 / 1500 S:

- ▶ Fully integrated wire feed case – no parallel entry of feed data and laser power
- ▶ Extremely simple machine operation thanks to complete synergy characteristics
- ▶ Fully automatic control of power, wire feed, oscillation width, oscillation frequency, laser frequency, PWM, hot start, etc. depending on the material, material thickness and filler material diameter.
- ▶ High-resolution, easy-to-read displays ensure maximum ease of use even from a distance
- ▶ Maximum penetration depth – single-mode laser and specially developed wobble technology
- ▶ Programme selection and wire feed can be selected directly on the laser gun
- ▶ **2 in 1 machine: Welding, cleaning**
- ▶ Perfect cleaning with up to 100 mm scan width and autofocus:
 - Ideal for derusting, paint stripping and cleaning workpieces
 - Optimal for scale removal
 - Autofocus means there is no need to maintain a fixed distance
 - Optional: Double wire feed
 - Optional: Robot interface (ModBus or Ethernet IP)

CRAFT-LASER 2000 WS:

Water-cooled, hand-held laser welder, built for the highest demands and heavy-duty applications. Maximum focus stability at 100% duty cycle guarantees maximum process reliability.

- ▶ Water-cooled 2000W single-mode laser source with 100% duty cycle
- ▶ The specially developed water-cooled laser gun and improved optical systems guarantee maximum focus stability.
- ▶ Programme selection via laser gun possible
- ▶ High-performance water cooling from the laser cutting area guarantees maximum process reliability.
- ▶ Programme selection and wire feed can be selected directly on the laser gun
- ▶ **2-in-1 machine: Welding and cleaning**
 - Laser cleaning is ideal for paint removal, rust removal and other types of removal.
 - Optional Ethernet-IP interface for robot applications
 - Optional: Double wire feed
 - Optional: Robot interface (ModBus or Ethernet IP)



WIRE FEED CASE

- › Precise wire feed with 4 rollers



DISPLAY

- › Different languages are possible. Standard German, English, French, Polish, and many more



HOSE PACKAGE

- › Double-sheathed hosepack and covered with additional leather protection - maximum robustness against cable breakage, wear and damage to the fibre conductor
- › Temperature stable, no problems even with aluminium despite back radiation
- › Stable wire feed, guided independently of the focus tube, ensures maximum feeding and process reliability

Craft-Laser 1500 S



OPTIONAL TROLLEY

- › Art. no. : 1391002



Craft-Laser 800 / 1500 S / 2000 WS

Hand-held laser welding machines are the **newest revolution** in welding technology and have unbeatable advantages in the thin sheet metal sector compared to the previous conventional welding process.

! THE CRAFT-LASER 2000 WS OFFERS ALL THE ADVANTAGES OF THE CRAFT-LASER 1500 S AND MUCH MORE!

Craft-Laser 2000 WS



OPTION: WIRE FEED

Art. no.: 1391039

Wire feed with two welding wires and wire rolls for a more versatile welding process

- › More material that can be melted down simultaneously
- › Uniform heat input for less deformation of the workpiece
- › For different wire materials or diameters that can be used simultaneously
- › Cost efficiency for large-scale welding



HANDY WELDING GUN

- › Very light and handy
- › Ergonomic handle shell
- › Rubberised handle ensures comfortable handling and insulation against workpiece conduction, long service life and scratch resistance
- › Easy replacement of the lenses if required. These are located under the flap in the gun and can be replaced without tools.
- › Protected from dirt by cover flap - protective glass and focus lenses can be replaced



Scope of delivery

	800	1500 S	2000 S
Welding gun	x	x	x
Gas hose 4 m	x	x	x
5 protective glasses for laser welding gun	x	x	x
2 conveyor rollers 0.8 / 1.0 V-groove	x	x	x
2 conveyor rollers 1.0 / 1.2 V-groove	x	x	x
2 conveyor rollers 1.2 / 1.6 V-groove		x	x
2 conveyor rollers 0.8 / 1.0 U-groove	x	x	x
2 conveyor rollers 1.0 / 1.2 U-groove	x	x	x
2 conveyor rollers 1.2 / 1.6 U-groove		x	x
3 nozzles AS-12 for laser welding gun		x	x
3 nozzles ES-12 for laser welding gun		x	x
3 nozzles DS-16 for laser welding gun	x		x
3 nozzles BS-16 for laser welding gun		x	x
3 cutting nozzles	x	x	x
Laser cleaning accessories	x	x	x
Filter pressure regulator 1/4" 16 bar	x	x	x
Plug nipple 1/4" external thread	x	x	x
Double nipple G 1/4" x G 1/4"	x	x	x
Faceshield FS 1 (golden visor)	x		
VarioProtect LASER-M laser welding helmet		x	x



WEAR PARTS SET

- › included with Craft Laser 800, 1500 S, and 2000 WS
- › VarioProtect LASER-M
- › Filter pressure regulator
- › Plug nipple
- › Double nipple

Craft-Laser 800



ASK FOR YOUR PERSONALISED OFFER!

Model		CRAFT-LASER 800	CRAFT-LASER 1500 S	CRAFT-LASER 2000 WS
Art no.		1390008	1390015.2	1390020
Weldable material thickness Steel	mm	0.8 – 3.0	0.8 – 6.0	0.8 – 8.0
Weldable material thickness Stainless steel	mm	0.8 – 3.0	0.8 – 6.0	0.8 – 8.0
Weldable material thickness Aluminium	mm	0.8 – 2.0	0.8 – 4.0	0.8 – 7.0
Weldable wires, steel	mm	0.8 – 1.2	0.6 – 1.6	0.6 – 1.6
Weldable wires, stainless steel	mm	0.6 – 1.2	0.6 – 1.6	0.6 – 1.6
Weldable wires, aluminium	mm	1.0 – 1.2	1.0 – 1.6	1.0 – 1.6
Wire feed unit		4 rolls	4 rolls	4 rolls
Wire feed speed	m/min	0.25 – 6	0.25 – 6	0.25 – 6
Wobble Laser	mm	0 – 5.0	0 – 5.0	0 – 5.0
Wavelength of the radiation	nm	1070	1075	1080
Spectral width	nm	3 – 4	3 – 4	3 – 4
Power of the red guide laser	µW	200	200	200
Type		Single mode	Single mode	Single mode
Cooling type		Air-cooled	Air-cooled	water-cooled
Protection class		IP21S	IP21S	IP21S
WPS		✓		✓
Connection cable length	m	5	5	10
Input power	kW	3	5.9	7.5
Laser power	kW	0.8	1.5	2
Connection voltage ~ 50 Hz	V	230	230 – 32 A CEE	230 – 32 A CEE
Dimensions (L x W x H) approx.	mm	680 x 360 x 680	750 x 600 x 1000	960 x 600 x 1,000
Weight of wire feed case	kg	–	11.5	11.5
Weight approx.	kg	38	53	150

Laser safety cabins series

- ▶ Made from powder-coated sheet steel (RAL 7035)
- ▶ Self-supporting, stable construction for long-lasting use
- ▶ Manufactured in modular design - simple and quick assembly
- ▶ Compatible with hand-held and stationary laser welding machines
- ▶ Effective heat dissipation from the laser welding cabin prevents overheating
- ▶ Large, smooth-running sliding door requires no swivelling range

- ▶ Increased productivity thanks to the ability to store raw and finished parts in the cabin



Made in Germany

Model 4000 x 4050 x 3000 mm

Model 6125 x 4050 x 3000 mm

- ▶ Better material flow, as the cabins can be accessed with pallet trucks, trolleys and even smaller forklifts



3850 x 3900 x 2500 mm



4000 x 4050 x 3000 mm



6125 x 4050 x 3000 mm

Incl. safety package incl. complete CE for Craft-Laser 800 / 1500S

Security package contains the following components:

- ▶ Switch cabinet with discrete PILZ safety relay for monitoring the protective circuits
- ▶ Contactless door contact switches from PILZ
- ▶ External emergency stop
- ▶ Internal emergency stop
- ▶ Laser warning light

Looking for advice?

Your local specialist dealer will be happy to advise you on all matters. We would be happy to advise you on this topic and refer you to a specialist dealer in your area.

YOUR PERSONALISED PRICE AND special sizes on request!

Accessories

Art. no.

Extraction package for laser safety cabin 1 - 3

1392050

Model		3850 x 3900 x 2500 mm	4000 x 4050 x 3000 mm	6125 x 4050 x 3000 mm
Art no.		1392000	1392005	1392010
Dimensions (L x W x H) approx.	mm	3850 x 3900 x 2500	4000 x 4050 x 3000	6125 x 4050 x 3000
Transport surcharge ²⁾		TVZSLASER	TVZSLASER	TVZSLASER

VARIOPROTECT LASER-M / Laser-M AIR TH3

Specially developed for laser welding and cutting applications, also suitable for conventional welding processes

- ▶ Laser lens with variable tinting offers complete protection from direct laser exposure as well as from reflection, scattering, diffraction and divergence of the laser beam
- ▶ Developed for EN207 OD10 @ 1000 - 1100nm
- ▶ Provides comprehensive protection to prevent eye burns, retinal damage and other tissue damage
- ▶ Ultra-clear vision - exceptional clarity and detail with Light State 2.0 laser lens with variable tinting
- ▶ Intelligent adjustment - number of colours, delay and sensitivity can be easily adjusted via user-friendly control panel with LED indicators

LASER-M AIR TH3:

- ▶ Respiratory protection with a total filtration efficiency of >99.997%



VarioProtect LASER-M AIR TH3



VarioProtect LASER-M

Intelligent setting

- › The number of colours, delay and sensitivity can be easily adjusted via the user-friendly control panel with LED displays

Model		VarioProtect LASER-M	VarioProtect LASER-M AIR TH3
Art no.		1657060	1657065
Working temperature	°C		-10 – +55
Storage temperature	°C		-20 – +70
Light-dark response time	ms		1 / 25000s
UV/IR protection			DIN 16
Light level			2.0
Dark protection level			DIN 4-8/8-12
Solar cells			Yes
Viewing window (W x H)	mm		96 x 46.5
Cassette (L x B x H)	mm		110 x 90 x 9
Sensors			2
Laser protection			1000-1100 D LB7 + IR LB8
Optical density			1000-1100 OD8
Special modes			GRIND / CUT / MIX / DARK
Dimensions (L x W x H) approx.	mm		270 x 230 x 215
Weight approx.	kg		0.87

Accessories	Art. no.
Outer attachment disc (PU 10 pcs.)	1663050
Inner attachment disc (PU 10 pcs.)	1663051
Headband	1663052
Forehead sweatband	1663053
Welding helmet housing	1663054
Filter cassette	1663055
Lithium battery 3V CR2450	1662034
Accessories for VarioProtect LASER-M AIR TH3	Art. no.
Face shield	1663060
Complete headband	1663061
Li-ion battery	1663062
TH3 filter	1663063
Pre-filter	1663064
Spark arrester	1663065
Charger	1663066
Belt harness	1663067
Air hose cover	1663068
Air hose	1663069
Air flow tester	1663070

Face shield FS 1

The safe and comfortable complete solution for eyes and face for hand-held laser welding

Made in Germany

- ▶ The Face Shield (FS1) offers certified laser protection in accordance with EN 207
- ▶ New standards in wearing comfort
- ▶ only 386 g total weight
- ▶ Perfectly balanced thanks to an ingenious folding mechanism with spring-loaded coupling rods
- ▶ Height and width-adjustable headrest with Uvex Spiderneck neck support for perfect ergonomic relief



uvex | laservision

Model	FS 1 (golden visor)	FS 1 (blue-grey visor)
Art no.	1872015	1872020
Standards	EN 166, EN 207 full protection	EN 166, EN 169, EN 207 full protection, EN 208 adjustment protection
Coating	Scratch-resistant outside / Anti-fog inside	Scratch-resistant outside / Anti-fog inside
Colour view	Good	Outstanding
Version	FS1	FS1
Filters	P1P18	P1P22
Filter thickness approx.	2 mm	2 mm
Filter colour	Gold	Blue-grey
Filter material	Plastic	Plastic
Filter technology	Absorption filter	Absorption filter
Visual brightness	very good	Sufficient
Protected area	Infrared, near infrared, ultraviolet	Infrared, near Infrared, visible, ultraviolet
VLT approx.	47%	12%
Protection level	M	M
Weight approx.	0.39 kg	0.39 kg

Laser safety goggles LSB 1

Large field of vision without compromising protection

- ▶ Ergonomic design and adjustable temples for every head shape
- ▶ Flat temples for wearing under safety helmets
- ▶ Lightweight construction for a comfortable fit
- ▶ Thanks to the special anti-fog coating, visibility remains clear even in high humidity and changing temperature conditions



Model		LSB 1
Art no.		1872050
Protection of the wavelength	nm	200-450 / 630-660 / 800-1100
Material		TR90 frame, PC filter
Permeability	%	18
Optical density		200 - 450nm OD 4+ 630 - 660nm OD 4+ 800 - 1.100nm OD 6+
LB protection level		316 - 440nm D LB5 + IR LB6 440 - 450nm DIR LB4 630 - 660nm DIR LB4 800 - 1080nm DIR LB6 LP S CE
Dimensions (L x W x H) approx.	mm	161 x 156 x 49
Weight approx.	kg	0.0402

Scope of delivery



EASY-MIG 181 Multi

Portable multifunctional inverters for MIG/MAG, TIG and electrode welding – with 230 V, ideal for any construction site

- ▶ Simple stepless adjustment of the operating point by selecting the voltage and wire speed using one button each
- ▶ Best welding results thanks to reliable ignition and stable arc
- ▶ Adjustable throttle
- ▶ **Arc force control:** The internal monitoring of welding current and welding voltage means that short circuits are resolved quickly and safely. This stabilises the arc and the electrode can be processed without any problems

- ▶ Cored wires can be easily welded by simply reversing the polarity
- ▶ User-friendly setting also for TIG and electrode

MIG MAG

Procedure

- ▶ MIG / MAG
- ▶ TIG Lift Arc
- ▶ E-hand



- ① Rotary knob for setting the welding voltage or welding current
- ② Rotary knob for setting the wire feed speed
- ③ Push-button for setting 2- or 4-cycle operation
- ④ Rotary knob and throttle for ARC force and down-slope
- ⑤ Push-button for setting MIG/MAG, TIG or E-hand operation
- ⑥ Display of welding voltage, welding current and other settings made



Info & Video



Technical data		EASY-MIG 181 MULTI
Art no.		1071181
Setting range for MIG/MAG	A	40 – 180
Setting range for electrode	A	10 – 160
Setting range for TIG DC	A	10 – 180
Duty cycle at max. current 40°C MIG/MAG	%	20
Duty cycle at max. current 40°C Electrode	%	20
Duty cycle at max. current 40°C TIG DC	%	20
Current at duty cycle 100% 40°C MIG/MAG	A	80
Current at duty cycle 100% 40°C electrode	A	80
Current at duty cycle 100% 40°C TIG DC	A	70
Wire feed unit	Rollers	2
MIG/MAG power consumption	kVA	8.41
Electrode power consumption	kVA	6.67
Power consumption TIG DC	kVA	8.4
Electrical connection ~50 Hz	V	230
Dimensions (L x W x H) approx.	mm	525 x 220 x 410
Weight approx.	kg	14.5
Standards ¹⁾ : DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A		

Scope of delivery

- Gas hose incl. quick connector, 4 m
- Pressure reducer
- Feed rollers Ø 0.8 – 1.0 mm
- Torch SMB 15, 3 m
- 3 metres earth cable 16 mm² with 300A earth terminal
- Welding cable 16 mm² with 300A Electrode holder, 3 m

Accessories

Accessories	Art. no.
Earth cable complete with clamp	
MK4/16 KS13 200A	1250216
MK4/25 KS13 200A	1250225
MK4/35 KS13 400A	1250235
TIG torch SR26, ED, gas-cooled, 4 m	1105004
Wear parts set	
VTS SR 17/18/26	1100152
VST SMB15/MB15	1091600

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system.

CRAFT-MIG 201 LCD P Synergic

Portable multifunctional inverter for MIG/MAG, TIG and electrode welding – with 230V, ideal for any construction site

- ▶ Simple stepless adjustment of the operating point by selecting the voltage and wire speed using one button each
- ▶ Best welding results thanks to reliable ignition and stable arc
- ▶ Adjustable throttle
- ▶ **Arc force control:** The internal monitoring of welding current and welding voltage means that short circuits are resolved quickly and safely. This stabilises the arc and the electrode can be processed without any problems
- ▶ Cored wires can be easily welded by simply reversing the

- polarity
- ▶ User-friendly setting also for TIG and electrode

MIG MAG

- Procedure**
- ▶ MIG / MAG
 - ▶ TIG Lift Arc
 - ▶ E-hand



Simple setting with plain text display.

Quickly achieve the perfect result after one setting in three steps:
 Step 1: Set gas/material, wire Ø.
 Step 2: 2/4 time, dots, interval
 Step 3: Set the material thickness.
 Thanks to the large display, all parameters are always in view and can be adjusted.
 Welding has never been so easy!



Info & Video



Technical data		CRAFT-MIG 201 LCD P
Art no.		1071201
Setting range for MIG/MAG	A	25 – 200
Setting range for electrode	A	10 – 200
Setting range for TIG DC	A	10 – 200
Duty cycle at max. current 40°C MIG/MAG	%	40
Duty cycle at max. current 40°C Electrode	%	40
Duty cycle at max. current 40°C TIG DC	%	40
Current at duty cycle 100% 40°C MIG/MAG	A	130
Current at duty cycle 100% 40°C electrode	A	130
Current at duty cycle 100% 40°C TIG DC	A	130
Wire feed unit	Rollers	2
MIG/MAG power consumption	kVA	6.44
Electrode power consumption	kVA	7.36
Power consumption TIG DC	kVA	5.06
Electrical connection ~50 Hz	V	230
Dimensions (L x W x H) approx.	mm	560 x 220 x 410
Weight approx.	kg	15.5
Standards ¹⁾ : DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A		

Scope of delivery

- Gas hose incl. quick connector, 4 m
- Pressure reducer
- Feed rollers Ø 0.8 – 1.0 mm
- Torch SMB 25, 3 m
- 3 metres earth cable 25 mm² with 300A earth terminal

Accessories

Accessories	Art. no.
Earth cable complete with clamp	
MK4/16 KS13 200A	1250216
MK4/25 KS13 200A	1250225
MK4/35 KS13 400A	1250235
TIG torch SR26, ED, gas-cooled, 4 m	1105004
Wear parts set	
VTS SR 17/18/26	1100152
VST SMB15/MB15	1091600

MULTIMIG 201 P AC/DC Pulse
4 in 1 system. Ideal MIG/MAG inverter welding machine for every assembly vehicle

MIG MAG

- ▶ Ideal assembly welder - combines all processes in one device: MMA (AC & DC), MIG/MAG, TIG (AC/DC / DC)
- ▶ MIG / MAG with synergy characteristics - 3 steps to the finished welding result
- ▶ Combines all the functions of our CRAFT-TIG 201 AC/DC Pulse incl. spot function and pulse

- ▶ Extremely simple operation via high-resolution colour display with graphic illustration of the welding curve and setting options
- ▶ PFC control ensures even power consumption and maximum efficiency

- Procedure**
- ▶ MMA (AC & DC)
 - ▶ MIG/MAG
 - ▶ TIG (AC/DC / DC)



Model		MULTIMIG 201 P AC/DC Pulse
Art no.		1071020
Setting range for TIG DC	A	10 – 200
Setting range for electrode	A	10 – 200
MIG soldering setting range	A	30 – 200
Duty cycle at max. current 40°C	%	30
Weldable wires CuSi from to	mm	0.8 – 1.0
Weldable wires Cored wire from to	mm	0.8 – 1.0
Weldable wires Steel from to	mm	0.6 – 1.0
Weldable wires stainless steel from to	mm	0.8 – 1.0
Weldable wires Aluminium from to	mm	0.8 – 1.0
Efficiency	%	80
Wire feed unit	Roll	1
Wire feed speed from to	m/min	1.5 – 16.5
MIG/MAG power consumption	kVA	6
Electrode power consumption	kVA	7
Power consumption TIG DC	kVA	5.1
Required generator output	kVA	7
No-load voltage	V	69
Power consumption	A	26.3
Connection voltage ~ 50 Hz	V	110/230
Dimensions (L x W x H) approx.	mm	580 x 230 x 420
Weight approx.	kg	20.7
Standards ¹⁾ : DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A		

- Scope of delivery**
- TIG- Torch SR 26 ED 4 m
 - Torch SMB 25 4 m
 - Earth cable 25mm² 4 m
 - Welding cable 25 mm² 4m
 - Pressure reducer
 - Gas hose 4 m

SYN-MIG Synergic series

Universally applicable MIG/MAG inverter welding machines with synergy characteristics

- ▶ Infinitely regulatable
- ▶ Synergy characteristics - 3 steps lead to the perfect welding result
- ▶ Adjustable choke enables precise adjustment of the arc characteristics
- ▶ Robust trolley with large storage space for gas cylinders and accessories makes it easier to transport and organise tools directly on site
- ▶ Can hold both 10 litre cylinders and up to 50 litre gas cylinders
- ▶ State-of-the-art inverter technology ensures precise welding and a uniform arc with maximum efficiency
- ▶ Overheating protection and voltage monitoring ensure safe working conditions
- ▶ Suitable for use on the generator
- ▶ Sheet thickness: from 0.8 mm steel and stainless steel (MAG), from 1.0 mm for aluminium (MIG)
- ▶ Base materials: Unalloyed and low-alloy materials (S235J2), high-alloy materials (stainless steel), aluminium alloy, filler wire
- ▶ Typical applications: Locksmithery, mechanical engineering, assembly, car workshop, tinsmith, maintenance, repair



Syn-Mig
403-4 W Synergic

Scope of delivery

	201-2 P	203-2	253-4	323-4	353-4 W	403-4 W
Earth cable 3 m 16 mm ²	x	x				
Earthcable 3 m 35 mm ²			x	x	x	x
Pressure reducer	x	x	x	x	x	x
Gas hose 4 m	x	x	x	x	x	x
MAG torch SMB 15 - 4 m	x	x				
MAG torch SMB 25 - 4 m			x	x		
MAG torch SMB 400 4 m					x	x

**Machines are delivered
without cooling water!**

Required coolants:

Art. no. 1030105, 1030110, 1030125

(Required quantity: 7l)

Model		SYN-MIG 201-2 P Synergic	SYN-MIG 203-2 Synergic	SYN-MIG 253-4 Synergic	SYN-MIG 323-4 Synergic	SYN-MIG 353-4 W Synergic	SYN-MIG 403-4 W Synergic
Art no.		1071202	1071203	1071254	1071323	1071353	1071403
		2-roller drive		4-roller drive			
Setting range for MIG/MAG	A	30-140 / 3-200	30 - 200	30 - 250	30 - 315	30 - 350	30 - 400
Setting range for electrode	A	10-100 / 20-200	10 - 200	10 - 250	10 - 250	10 - 350	10 - 400
Setting range for TIG DC	A	10-140 / 10-200	10 - 200	10 - 250	10 - 300	10 - 350	10 - 400
Duty cycle at max. current 40°C	%	40 / 30	40	60	40	60	60
Current at duty cycle 60% 40°C	A	100 / 145	165	250	260	350	400
Current at duty cycle 100% 40°C	A	80 / 110	130	195	200	275	310
MIG/MAG power consumption	kVA	3.7 / 5.7	8.5	11.2	15.4	13.5	16.8
Electrode power consumption	kVA	3.0 / 6.5	9.6	12.5	12.7	14.4	17.9
Power consumption TIG DC	kVA	2.8 / 4.4	6.8	8.9	11.4	10.8	13.6
Cooling type		AF	AF	AF	AF	AF	AF
Torch cooling		Gas				Water	
Weldable wires, steel	mm	0.6 - 1.0	0.6 - 1.0	0.6 - 1.2	0.8 - 1.2	0.8 - 1.2	0.8 - 1.2
Weldable wires, stainless steel	mm	0.8 - 1.0	0.8 - 1.0	0.8 - 1.2	0.8 - 1.2	0.8 - 1.2	0.8 - 1.2
Weldable wires, aluminium	mm	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2
Weldable wires, CuSi	mm	1.0	1.0	1.0	1.0	1.0	1.0
Weldable wires, filler wire	mm	0.8 - 1.0	0.8 - 1.0	0.8 - 1.2	0.8 - 1.2	0.8 - 1.2	0.8 - 1.2
Wire feed unit	Rollers	2	2	4	4	4	4
Wire feed speed	m/min	16	18	24	24	24	24
Wire feed rolls, driven	Roll	1	1	2	2	2	2
Required generator output	kVA	>7	>7	>8	>10	>13	>15
Open circuit voltage MMA	V	66.5	74	75	74	76.5	75
Electrical connection ~50 Hz	V	110/230	400	400	400	400	400
Dimensions (L x W x H) approx.	mm	1100 x 530 x 850					
Weight approx.	kg	44.7	52.5	52.5	53.5	66.5	66.5
Standards ¹⁾ :		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A					

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system.

Procedure
 ▶ MIG / MAG
 ▶ TIG (DC)
 ▶ Electrode

MIG MAG



HANDLE

- Robust handle design for easy manoeuvring and for winding up the hose package



- User-friendly LCD display enables precise setting of welding parameters
- Simple setting with plain text display



- All welding parameters and settings at a glance



FLAP

- Large, wide-opening flap makes it easy to set up the machine
- The lighting also makes it easier to work in dark surroundings

VIEWING WINDOW

- in the cover of the wire feeder



STORAGE COMPARTMENT

- Large storage compartment for work materials (not for models with water cooling)



BOTTLE TROLLEY

- low-lying



Syn-Mig
201-2 P Synergic

SYN-MIG 353-4 W Pulse / SYN-MIG 453-4 WS Pulse Universally applicable MIG/MAG inverter welding machine with synergy characteristics and double pulse function

- ▶ Innovative impulse technology enables low-spatter weld seams - up to 80% less rework with a higher deposition rate at the same time
- ▶ Double-pulse function enables TIG-like weld seams at MAG speed
- ▶ High duty cycle of 60% at maximum power ensures longer welding times without overheating, ideal for large projects
- ▶ Synergy characteristics for steel, stainless steel and aluminium - 3 steps to the perfect result
- ▶ State-of-the-art inverter technology in modular design ensures maximum reliability combined with maximum efficiency
- ▶ Adjustable choke enables precise adjustment of the arc characteristics
- ▶ Suitable for use on the generator
- ▶ Integrated water cooling for optimum temperature control
- ▶ Sophisticated cooling system with encapsulated air duct for efficient heat dissipation ensures stable welding performance even in the toughest applications
- ▶ Can hold both 10 litre cylinders and up to 50 litre gas cylinders



Syn-Mig 353-4 W Pulse

Scope of delivery		
	353-4 W Pulse	353-4 WS Pulse
SMB 400 torch, 4 m, water-cooled		x
MIG torch MB 401 4 m	x	
Earthcable 70 mm ² 4 m		x
Earthcable 35 mm ² 4 m	x	
Pressure reducer	x	x
Intermediate hose package 5 m		x
Gas hose 4 m	x	x

Technical data		SYN-MIG 353-4 W Pulse	SYN-MIG 453-4 WS Pulse
Art no.		1072353	1072453
Setting range for MIG/MAG	A	10 – 350	30 – 450
Setting range for electrode	A	20 – 350	10 – 450
Setting range for TIG DC	A	10 – 350	10 – 450
MIG soldering setting range	A	10 – 350	20 – 450
Duty cycle at max. current 40°C	%	60	60
Current at duty cycle 60% 40°C	A	350	450
Current at duty cycle 100% 40°C	A	270	350
MIG/MAG power consumption	kVA	12.4	24
Electrode power consumption	kVA	13.4	25
Power consumption TIG DC	kVA	9.8	19.4
Power factor	cos phi	0.726	0.752
Efficiency	%	89.02	91.19
Wire feeder, weldable wires, steel	mm	0.8 – 1.6	0.8 – 1.6
Wire feeder, weldable wires, stainless steel	mm	0.8 – 1.6	0.8 – 1.6
Wire feeder, weldable wires, aluminium	mm	1.0 – 1.6	1.0 – 1.6
Wire feed unit	Rollers	4	4
Wire feed speed	m/min	1.5 – 24	1.5 – 24
Required generator output	kVA	13	22
No-load voltage	V	MMA: 73 TIG: 73 MIG: 76	MMA: 93 TIG: 93 MIG: 95
Power consumption	A	MMA: 22.2 TIG: 20.2 MIG: 25.2	MMA: 36 TIG: 28 MIG: 34.7
Connection voltage ~ 50 Hz	V	400	400
Weight approx.	kg	66	76.5

Machine is delivered without cooling water!
Required coolants:
Art. no. 1030105, 1030110, 1030125
(Required quantity: 7l)

Procedure
 ▶ MIG / MAG
 ▶ TIG (DC)
 ▶ Electrode

MIG MAG

COLOUR DISPLAY

- Simple operation with large colour display.
- 3 steps to the result.
- The display is optimally protected by the cover.



- User-friendly LCD display enables precise setting of welding parameters
- Simple setting with plain text display



- All welding parameters and settings at a glance

HANDLE

- Robust handle design for easy manoeuvring and for winding up the hose package



FLAP

- Large, wide-opening flap makes it easy to set up the machine
- The lighting also makes it easier to work in dark surroundings

VIEWING WINDOW

- in the cover of the wire feeder



BOTTLE TROLLEY

- low-lying



Syn-Mig 453-4 WS Pulse

Accessories	Art. no.
Intermediate hose package	
5 meters	1361005
10 meters	1361010
15 meters	1361015
20 meters	1361020

CRAFT-MIG 201P Pulse / CRAFT-MIG 253 Pulse

Modern pulsed arc welding machines for professional use

- ▶ Pulse function: Significantly less rework thanks to low-spatter welding
- ▶ Best welding results thanks to reliable ignition and stable arc
- ▶ Synergy function: Automatic calculation of the tension and wire feed by preselecting the wire Ø, material and gas
- ▶ Precise setting of welding parameters via digital display with job memory
- ▶ The quiet-running fans dissipate the heat well from the appliances and ensure a long switch-on time

- ▶ Arc force control: The internal monitoring of welding current and welding voltage means that short circuits are resolved quickly and safely. This stabilises the arc and the electrodes can be processed without any problems
- ▶ Cored wires can be easily welded by simply reversing the polarity
- ▶ Suitable for operation on a power generator
- ▶ Wide range of functions: MIG/MAG (Pulse, Dual Pulse, Synergic, manual), TIG Lift Arc, E-Hand

CRAFT-MIG 201P Pulse

- ▶ Device with PFC (power factor correction) equipped enables the best use even on cable reels

CRAFT-MIG 253 Pulse:

- ▶ Optionally with water cooling

MIG MAG

Procedure

- ▶ MIG / MAG
- ▶ TIG (DC)
- ▶ Electrode



CRAFT-MIG 201P Pulse

CRAFT-MIG 253 Pulse

Technical data		CRAFT-MIG 201P Pulse	CRAFT-MIG 253 Pulse
Art no.		1072201	1072253
Setting range for MIG/MAG	A	20 – 200	20 – 250
Setting range for electrode	A	10 – 200	10 – 250
Setting range for TIG DC	A	10 – 200	10 – 250
Duty cycle at max. current 40°C	%	40	60
Current at duty cycle 100% 40°C	A	130	195
Wire feed unit		4 rolls	4 rolls
Wire feed speed	m/min	1.5 – 24	1.5 – 24
Coil size	mm	Ø 200	Ø 300
Power factor	cos phi	0.99	Electrode: 0.68 TIG: 0.66 MIG/MAG: 0.67
Efficiency	%	82.22	Electrode: 89.02 TIG: 84.71 MIG/MAG: 87.71
No-load voltage	V	Electrode: 94.4 TIG: 92.2 MIG/MAG: 84.5	Electrode: 79 TIG: 75 MIG/MAG: 71
Electrical connection ~50 Hz	V	110/230	400
Dimensions (L x W x H) approx.	mm	580 x 230 x 400	750 x 240 x 450
Weight approx.	kg	25	28.5
Standards ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A	

Scope of delivery
• Welding torch SMB 25
• Earth cable with earth terminal 300A, 25 mm ²
• Gas hose 12 x 6 mm
• Argon/CO2 pressure reducer, large
• Feed rollers Ø 0.8 - 1.0 mm steel



SK 4



Basket coil adapter

Accessories	Article no.
CRAFT-MIG 201P Pulse	
SK4/25 KS13 EH260	1250361
Accessories	Article no.
Basket coil adapter KA 2	1110005

²⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system.

SMB 15 gas-cooled

Designation	Art. no.
MIG/MAG torch SMB 15, 3 m	1090153
MIG/MAG torch SMB 15, 4 m	1090154
MIG/MAG-Torch set BK 15/25	1091510

comprises:

- MIG-MAG torch SMB 15, 4 m,
- Earth cable 25mm² 4 m,
- Pressure reducer 315 bar Argon/CO₂



Wear parts*	PU	Art. no.
Contact tip 0.6 mm	10	1091604
Contact tip 0.8 mm	10	1091605
Contact tip 1.0 mm	10	1091606
Aluminium contact tip 1.0 mm	10	1091607
2 x gas nozzle, conical	10	1091608
Cylindrical gas nozzle	10	1091609
Point gas nozzle	10	1091610

Technical data SMB 15:

Shielding gas	CO ₂ , mixed gas
Welding current CO ₂	180 A
Welding current Mixed gas	150 A
Duty cycle	60%
Wire diameter	0.6 – 1.0 mm

Wear parts set	Art. no.
SMB 15	1091600

SMB 25 gas-cooled

Designation	Art. no.
MIG/MAG torch SMB 25, 3 m	1090253
MIG/MAG torch SMB 25, 4 m	1090254
MIG/MAG-Torch set BK 25/35	1092510

comprises:

- MIG-MAG torch SMB 25, 4 m,
- Earth cable 35mm² 4 m,
- Pressure reducer 315 bar Argon/CO₂



Wear parts*	PU	Art. no.
Contact tip 0.8 mm	10	1092704
Contact tip 1.0 mm	10	1092705
Contact tip 1.2 mm	10	1092706
Aluminium contact tip 1.0 mm	10	1092707
Aluminium contact tip 1.2 mm	10	1092708
Conical gas nozzle	10	1092709
Cylindrical gas nozzle	10	1092710
Point gas nozzle	10	1092711

Technical data SMB 25:

Shielding gas	CO ₂ , mixed gas
Welding current CO ₂	230 A
Welding current Mixed gas	200 A
Duty cycle	60%
Wire diameter	0.8 – 1.2 mm

Wear parts set	Art. no.
SMB 25	1092700

SMB 36 gas-cooled

Designation	Art. no.
MIG/MAG torch SMB 36, 3 m	1090363
MIG/MAG torch SMB 36, 4 m	1090364
MIG/MAG-Torch set BK 36/50	1093611

comprises:

- MIG-MAG torch SMB 36, 4 m,
- Earth cable 50mm² 4 m,
- Pressure reducer 315 bar Argon/CO₂



Wear parts*	PU	Art. no.
Contact tip M8 / 30 mm / Ø 0.8 mm	10	1094105
Contact tip 1.0 mm	10	1094106
Contact tip 1.2 mm	10	1094107
Aluminium contact tip 1.0 mm	10	1094108
Aluminium contact tip 1.2 mm	10	1094109
Gas distributor	10	1094104
Conical gas nozzle Ø 16.0 / 76 mm	10	1094110
Cylindrical gas nozzle Ø 19.0 / 76 mm	10	1094111

Technical data SMB 36:

Shielding gas	CO ₂ , mixed gas
Welding current CO ₂	300 A
Welding current Mixed gas	270 A
Duty cycle	60%
Wire diameter	0.8 – 1.2 mm

Wear parts set	Art. no.
SMB 36	1093670

SMB 25 Flex gas-cooled

Designation	Art. no.
SMB 25 Flex, 4 m	1092524

Technical data SMB 400:

Shielding gas	CO ₂ , mixed gas
Welding current CO ₂	230 A
Welding current Mixed gas	200 A
Duty cycle	100%
Wire diameter	0.8 – 1.6 mm



Wear parts*	PU	Art. no.
Contact tip 0.8 mm	10	1092704
Contact tip 1.0 mm	10	1092705
Contact tip 1.2 mm	10	1092706
Aluminium contact tip 1.0 mm	10	1092707
Aluminium contact tip 1.2 mm	10	1092708
Conical gas nozzle	10	1093679
Cylindrical gas nozzle	10	1093680
Point gas nozzle	10	1093681

Wear parts set	Art. no.
SMB 25	1092700

SMB 400 water-cooled

Designation	Art. no.
MIG/MAG torch SMB 400, 3 m	1090403
MIG/MAG torch SMB 400, 4 m	1090404
MIG/MAG-Torch set BK 400/50	1094010

comprises:

- MIG-MAG torch SMB 400, 4 m,
- Earth cable 50mm² 4 m,
- Pressure reducer 315 bar Argon/CO₂



Wear parts*	PU	Art. no.
Contact tip 0.8 mm	10	1094105
Contact tip 1.0 mm	10	1094106
Contact tip 1.2 mm	10	1094107
Aluminium contact tip 1.0 mm	10	1094108
Aluminium contact tip 1.2 mm	10	1094109
Conical gas nozzle	10	1094110
Cylindrical gas nozzle	10	1094111
Point gas nozzle	10	1094112

Technical data SMB 400:

Shielding gas	CO ₂ , mixed gas
Welding current CO ₂	400 A
Welding current Mixed gas	350 A
Duty cycle	100%
Wire diameter	0.8 – 1.6 mm

Wear parts set	Art. no.
SMB 400	1094100

Stainless steel welding wires



1.4430 DIN 8556: SG X 2 Cr Ni Mo 19 12

- ▶ for the following base materials: 1.4401, 1.4404, 1.4408, 1.4429, 1.4435, 1.4436, 1.4541, 1.4550, 1.4552, 1.4571, 1.4573, 1.4580, 1.4581, 1.4583, 1.6901, 1.6902, 1.6903, 1.6905
- ▶ Welding of stainless, cold-tough and austenitic steels. For operating temperatures up to 400°C, inert gas: Argon S 1 - S 3, mixed gases

Mandrel coil D 300 15 kg	Art. no.
0.8 mm	1130508
1.0 mm	1130510

1.4576 DIN 8556: SG X 5 Cr Ni Mo Nb 19 12

- ▶ for the following base materials: 1.3401, 1.4408, 1.4435, 1.4435, 1.4436, 1.4573, 1.4580, 1.4581, 1.4583
- ▶ Various types of steel (black-white compounds); high-carbon and difficult-to-weld steels, e.g. manganese hard steel, buffer layers for hard surfacing, cold-tough nickel steels
- ▶ For operating temperatures from -120°C (cold-tough) to 300°C

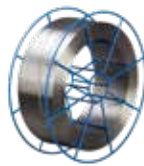
Mandrel coil D 300 15 kg	Art. no.
0.8 mm	1130308
1.0 mm	1130310

1.4370 DIN 8556: SG X 10 Cr Ni Mn 18 8

- ▶ for the following base materials: 1.4301, 1.4306, 1.4308, 1.4312, 1.4401, 1.4404, 1.4408, 1.4410, 1.4435, 1.4436, 1.4541, 1.4550, 1.4571, 1.4573, 1.4580, 1.4583 with H 1 to H 2
- ▶ Welding of stainless and acid-resistant Cr and Cr-Ni-Mn steels. For high demands on crack resistance and toughness. Work hardening. Joint welding on different types of steel (black and white joints). Temperatures up to 850°C.
- ▶ Shielding gas: Argon S 1 - S 3, mixed gases

Mandrel coil D 300 15 kg	Art. no.
0.8 mm	1130408
1.0 mm	1130410

Stainless steel welding wires



1.4316 DIN 8556: SG X 2 Cr Ni 19 9

- ▶ for the following base materials: 1.4301, 1.4306, 1.4308, 1.4311, 1.4303, 1.4310, 1.4319, 1.4541, 1.4550, 1.4552
- ▶ Connection and build-up welding on stainless and acid-resistant acid-resistant Cr and Cr-Ni steels.
- ▶ Not for use in high-sulphur media.
- ▶ For operating temperatures from -196°C to 350°C.
- ▶ Shielding gas: Argon S 1 - S 3, mixed gases

Mandrel coil D 300 15 kg	Art. no.
0.8 mm	1130208
1.0 mm	1130210

1.4551 DIN 8556: SG X 5 Cr Ni Nb 19 9

- ▶ for the following base materials: 1.4301, 1.4306, 1.4308, 1.4310, 1.4312, 1.4319, 1.4541, 1.4550
- ▶ TIG or MIG/MAG welding of stainless austenitic steels
- ▶ Not for use in high-sulphur media.
- ▶ For operating temperatures of up to 400°C, scale-resistant up to +800°C
- ▶ Shielding gas: Argon, mixed gases e.g. M11, M23

Mandrel coil D 300 15 kg	Art. no.
1.0 mm	1131610
1.2 mm	1131612

Aluminium welding wires



Al Mg 3 Material no. 3.3536 DIN 1732

- ▶ for the following base materials: Al Mg 3, Al Mn 1, Al Mg 1.8
- ▶ Welding of rolled and cast aluminium-magnesium alloys
- ▶ Shielding gas: Pure argon or argon/helium mixture

Mandrel coil K 300 7.0 kg	Art. no.
1.0 mm	1123008
1.2 mm	1123010

Al Si 5 Material no. 3.2245 DIN 1732

- ▶ for the following base materials: Al Mg Si 1, Al Zn 4.5 MG 1, Al Cu MG 1
- ▶ Shielding gas: Pure argon or argon/helium mixture

Mandrel coil D 300 7.0 kg	Art. no.
1.0 mm	1126010
1.2 mm	1126012

Al Mg 4.5 Mn Material no. 3.3548 DIN 1732

- ▶ for the following base materials: Al Mg 4.5 Mn, Al Mg 3, Al Mg 5
- ▶ Welding of rolled and cast aluminium-magnesium alloys
- ▶ Shielding gas: Pure argon or argon/helium mixture

Mandrel coil D 300 7.0 kg	Art. no.
1.0 mm	1124010
1.2 mm	1124012

Low-alloy welding wires



SG 2 Material no. 1.5125 DIN 8559 / DIN EN 440

- ▶ for the following base materials: Tubular steels St 35, St 45, St 52, St 55; Thin sheets St 12, St 13, St 14, shipbuilding steels A, B, C, D, E; Boiler plates H 1, H 2, H 3; cast steel GS-38, GS-45, GS-52 Structural steels St 34, St 37, St 42, St 46, St 52, St 55, St 60 Fine-grained structural steels St E 26, St E 29, St E 32, St E 36, St E 39, St E 43
- ▶ Low-alloy wire electrode for joint and build-up welding
- ▶ Shielding gas: CO₂ and mixed gases

Welding wire SG 2 K300 /15kg	Art. no.
Ø 0.8 mm	1116008
Ø 1.0 mm	1116010
Ø 1.2 mm	1116012

Mandrel coil D 300 normal spool 15.0 kg	Art. no.
Ø 0.8 mm	1114008

Mandrel coil D 200 normal spool 5.0 kg	Art. no.
Ø 0.8 mm	1115008

SG 3 Material no. 1.5130 DIN 8559 / DIN EN 440

- ▶ for the following base materials: Tubular steels St 35, St 45, St 52, St 55; thin sheets St 12, St 13, St 14 Shipbuilding steels A, B, C, D, E; boiler plates H 1, H 2, H 3; Cast steel GS-38, GS-45, GS-52 Structural steels St 34, St 37, St 42, St 46, St 52, St 55, St 60 Fine-grained structural steels St E 26, St E 29, St E 32, St E 36, St E 39, St E 43
- ▶ Low-alloy wire electrode for joint and build-up welding
- ▶ Shielding gas: CO₂ and mixed gases

Welding wire SG 3 K300 /15kg	Art. no.
Ø 0.8 mm	1117008
Ø 1.0 mm	1117010
Ø 1.2 mm	1117012

Hardfacing Shielding gas Welding wires

MSG material 6-60 No. 1.4718 DIN 8555

- ▶ Materials and application: Overlay welding on machine parts made of structural steel or cast steel that are subject to wear. The weld metal is particularly tough and abrasion-resistant. For excavator parts, screw conveyors, roll crushers, impact hammers, rollers and running surfaces.
- ▶ Vickers hardness: 650 - 775 HV
- ▶ Rockwell hardness: 56 - 62 HRC
- ▶ Shielding gas: Argon S 1 - S 3, mixed gases

Mandrel coil D 300 15 kg	Art. no.
1.0 mm	1130110
1.2 mm	1130112
1.6 mm	1130116

easytig 181DC / easytig 201 DC PULSE / crafttig 201 DC P PULSE

Portable TIG DC inverter for workshop and mobile use

TIG DC

- ▶ All appliances are built using modern inverter technology
- ▶ Ideally suited for assembly work (on a ladder, on scaffolding, etc.) and, thanks to protection class IP 21S also generally suitable for outdoor work
- ▶ Precise setting of welding parameters via digital display
- ▶ Universally applicable for welding all common electrode types
- ▶ Suitable for use on generators, e.g. in workshops, schools, metal construction, on building sites or for farmers
- ▶ **HF high-frequency ignition** ignites

during TIG welding without touching the workpiece

- ▶ The quietly running fans dissipate the heat well from the devices and thus achieve a high duty cycle

EASY-TIG 201DC PULSE

- ▶ Adjustable welding curve
- ▶ Pulse up to 200 Hz

CRAFT-TIG 201 DC P PULSE

- ▶ PFC (power factor correction), also enables optimum use on cable reels

Scope of delivery	EASY-TIG 181	Easy-Tig 201 DC PULSE	CRAFT-TIG 201 DC P PULSE
Torch SR 17, 4 m	x		x
Torch SR 26, 4 m		x	
TIG torch SR26, U/D, gas-cooled, 4m			x
Earthcable 16 mm ² 3 m	x	x	x
Weldingcable 16 mm ² 3 m	x	x	x
Pressure reducer			x
Gas hose 4 m incl. quick connector	x	x	x



440V Tested in production 220V



EASY-TIG 181 DC



EASY-TIG 201 DC PULSE



CRAFT-TIG 201 DC P PULSE

Technical data		EASY-TIG 181 DC	EASY-TIG 201 DC PULSE	CRAFT-TIG 201 ACDC P PULSE
Art no.		1074018	1074020	1074201
Weldable electrodes	mm	1.6 - 4.0	1.6 - 4.0	1.6 - 4.0
Setting range for TIG DC	A	10 - 180	5 - 200	5 - 200
Setting range for electrode	A	10 - 180	5 - 200	5 - 200
Duty cycle at max. current 40°C TIG DC	%	40	30	50
Duty cycle at max. current 40°C Electrode	%	40	30	30
Current at duty cycle 100% 40°C TIG DC	A	100	120	145
Current at duty cycle 100% 40°C Electrode	A	100	120	135
Pulse rate	Hz	-	0.5~200	0.5 - 200
Electrical connection ~50 Hz	V	230 ±10%	230 ±10%	230 ±10%
Dimensions (L x W x H) approx.	mm	430 x 150 x 280	430 x 150 x 280	500 x 150 x 280
Weight approx.	kg	7.3	9.7	10
Standards ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC Class A		

Accessories	Art. no.
Argon/CO ² Pressure reducer, large	1700050
TIG torch SR26, U/D, gas-cooled, 4 m	1105014
TIG torch SR26, U/D, gas-cooled, 8 m	1105018
TIG torch SR26, ED, gas-cooled, 4 m	1105004
TIG torch SR26, ED, gas-cooled, 8 m	1105008
Foot remote control 5m	1174009
Wear parts set VTS SR 17/18/26	1100152
Wear parts set VTS SR 17/18/26 Mini	1100200
Accessories for EASY-TIG 181DC	Art. no.
TIG torch SR17, ED, gas-cooled, 4 m	1105044
TIG torch SR17, ED, gas-cooled, 8 m	1105048

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system. All devices protection class IP23

easytig® 201 AC/DC Pulse

Portable TIG DC inverter for workshop and mobile use

TIG AC/DC

- ▶ All appliances are built using modern inverter technology
- ▶ Ideally suited for assembly work (on a ladder, on scaffolding, etc.) and, thanks to protection class IP 21S also generally suitable for outdoor work
- ▶ Precise setting of welding parameters via digital display
- ▶ Universally applicable for welding all common electrode types
- ▶ Suitable for use on generators, e.g. in workshops, schools, metal construction, on building sites or for farmers
- ▶ **HF high-frequency ignition** ignites during TIG welding without touching the workpiece
- ▶ The quietly running fans dissipate the heat well from the devices and thus achieve a high duty cycle
- ▶ Pulse 200 Hz
- ▶ Crank selection in AC area
- ▶ Adjustable balance
- ▶ Adjustable welding curve



Technical data		EASY-TIG 201 AC/DC PULSE
Art no.		1074021
Weldable electrodes	mm	1.6 - 4.0
Setting range for TIG DC	A	10 - 170
Setting range for electrode	A	10 - 170
Duty cycle at max. current 40°C TIG DC	%	40
Duty cycle at max. current 40°C Electrode	%	30
Current at duty cycle 100% 40°C TIG DC	A	110
Current at duty cycle 100% 40°C Electrode	A	95
Pulse rate	Hz	0.5 - 200
Electrical connection ~50 Hz	V	230 ±10%
Dimensions (L x W x H) approx.	mm	460 x 150 x 280
Weight approx.	kg	9
Standards ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC Class A

Scope of delivery	
• Torch SR 26, 4 m	
• Gas hose incl. quick connector, 4 m	
• Earth cable 25 mm ² with earth terminal 3 m	

Accessories	Art. no.
Argon/CO ² Pressure reducer, large	1700050
TIG torch SR26, U/D, gas-cooled, 4 m	1105014
TIG torch SR26, U/D, gas-cooled, 8 m	1105018
TIG torch SR26, ED, gas-cooled, 4 m	1105004
TIG torch SR26, ED, gas-cooled, 8 m	1105008
Foot remote control 5 m	1174009
Wear parts set VTS SR 17/18/26	1100152
Wear parts set VTS SR 17/18/26 Mini	1100200

crafttig® 201 AC/DC P PULSE

Portable TIG AC/DC inverter for professional and mobile workshop use

TIG AC/DC

- ▶ All appliances are built using modern inverter technology
- ▶ Ideally suited for assembly work (on a ladder, on scaffolding, etc.) and generally also for outdoor work thanks to protection class IP21S
- ▶ Universally applicable for welding all common electrode types
- ▶ **HF high-frequency ignition** ignites during TIG-welding without touching the workpiece
- ▶ 9 programmes can be saved
- ▶ Pulse up to 999 Hz
- ▶ Precise setting of welding parameters via digital display with job memory
- ▶ Device with **PFC** (power factor correction) equipped enables the best use even on cable reels
- ▶ Crank selection in AC area
- ▶ Adjustable balance
- ▶ Adjustable welding curve



Technical data		CRAFT-TIG 201 AC/DC P PULSE
Art no.		1074202
Weldable electrodes	mm	1.6 – 4.0
Setting range for TIG DC	A	5 – 200
Setting range for electrode	A	5 – 200
Duty cycle at max. current 40°C TIG DC	%	60
Duty cycle at max. current 40°C Electrode	%	35 (230V) / 60 (110V)
Current at 100% ED 40°C TIG DC	A	155 (230V) / 125 (110V)
Current at 100% ED 40°C electrode	A	120 (230V) / 100 (110V)
Pulse rate	Hz	0.5 ~ 999
Electrical connection ~50 Hz	V	90 – 275
Dimensions (L x W x H) approx.	mm	580 x 190 x 350
Weight approx.	kg	14.5
Standards ¹⁾ : EN 60974-1:2012 / EN 60974-10:2014		

Scope of delivery

- Torch SR 26, 4 m
- Gas hose incl. quick connector, 4 m
- Pressure reducer
- Earth cable 25 mm² with earth terminal, 3 m

Accessories	Art. no.
Argon/CO ² Pressure reducer, large	1700050
Foot remote control 5m	1174009
Wear parts set VTS SR 17/18/26	1100152
Wear parts set VTS SR 17/18/26 Mini	1100200
Torch	Art. no.
TIG torch SR26, ED, gas-cooled, 4 m	1105004
TIG torch SR26, ED, gas-cooled, 8 m	1105008
TIG torch SR26, U/D, gas-cooled, 4 m	1105014
TIG torch SR26, U/D, gas-cooled, 8 m	1105018

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system. All devices protection class IP21S

CRAFTIG 453 LCD AC/DC PULSE For professional and mobile workshop use

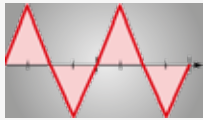
TIG AC/DC

- ▶ Built using modern inverter technology
- ▶ Ideally suited for assembly work thanks to protection class IP 21S, generally also for outdoor work
- ▶ Universally applicable for welding all common electrode types
- ▶ TIG pulsing enables welding with reduced heat input
- ▶ HF high-frequency ignition ignites during TIG welding without touching the workpiece
- ▶ Adjustable balance
- ▶ The quietly running fans dissipate the heat well from the devices and thus achieve a high duty cycle
- ▶ Timer-controlled fan with stand-by mode
- ▶ Precise setting of welding parameters via digital display
- ▶ 9 programmes can be saved
- ▶ AC triangle wave welding output: Reduced heat input for the same current setting, particularly useful for welding thin metal
- ▶ Alternating current sine wave welding output: Traditional AC TIG welding waveform, quieter, "softer" arc characteristics
- ▶ AC square wave: Focussed arc for maximum penetration, fast travel speed with optimum directional control
- ▶ MMA mode with hot start and arc force control
- ▶ Exclusively available including factory assembly, article number 9002800

Always the right wave for your task:

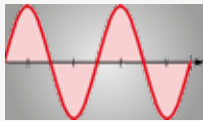
AC triangle wave welding output:

- Reduced heat input for the same current setting.
- Particularly useful for welding thin metal



Alternating current sine wave welding output:

- Traditional AC TIG welding waveform.
- Quieter, "soft" arc characteristics



AC square wave:

- Focussed arc for maximum penetration
- Fast welding speed with optimum directional control



Scope of delivery

- 4 m ground cable 70 mm² with earth clamp
- TIG torch SR18 8 m with up/down function (water-cooled)
- 4 m gas hose including quick connector
- Water cooling unit
- Trolley

Technical data		CRAFT-TIG 453 LCD AC/DC PULSE
Art no.		1074453
TIG setting range	mm	5 – 450
Setting range for electrode	A	10 – 450
Duty cycle at max. current 40°C TIG DC	%	60
Duty cycle at max. current 40°C Electrode	%	60
Current at 100% duty cycle, 40°C TIG	A	350
Current at duty cycle 100% 40°C Electrode	A	350
Pulse rate	Hz	0.5 ~ 999
Torch cooling		Gas / Water
Required generator output	kVA	>12
Electrical connection ~50 Hz	V	400 ±10
Dimensions (L x W x H) approx.	mm	1,050 x 575 x 1,050
Weight approx.	kg	80
Standards ¹⁾	DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A	

Accessories

	Art. no.
Argon/CO ² Pressure reducer, large	1700050
① Handheld remote control Wireless	1174100
② Foot remote control 5m	1174009
12-pin control cable connector	1104012
Adapter 1/4" external thread x M12x1 internal thread / union nut	1104001
Control line	1104011
Welding cable complete with electrode holder	1250361
Coolant RKF 15- 5 l	1030105
Coolant RKF 15- 10 l	1030110
Coolant RKF 15- 25 l	1030125
Wear parts set VTS SR 17/18/26	1100152
Wear parts set VTS SR 17/18/26 Mini	1100200

Torch

	Art. no.
TIG torch SR18, ED, water-cooled, 4 m	1105024
TIG torch SR18, ED, water-cooled, 8 m	1105028
TIG torch SR18, U/D, water-cooled, 4 m	1105034
TIG torch SR18, U/D, water-cooled, 8 m	1105038
TIG torch SR26, ED, gas-cooled, 4 m	1105004
TIG torch SR26, ED, gas-cooled, 8 m	1105008
TIG torch SR26, U/D, gas-cooled, 4 m	1105014
TIG torch SR26, U/D, gas-cooled, 8 m	1105018

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system. All devices protection class IP21S

Torch SR17 gas-cooled (for EASY-TIG 181 DC)

Technical data:		
Current max.	150 A (DC)	105 A (AC)
DC/AC duty cycle	35%	
Cooling	gas-cooled	
Electrode diameter	1.0 – 2.4 mm	
Specification	Mono button switch	
Equipment ex works	Electrode 2.4mm, long back cap, nozzle 11mm, 2.4mm collet, 2.4mm collet body	
Connection	DINSE 50 mm, M12x1 gas connection with internal thread	
Plug connection	3-pin plug	



Designation	Art. no.
TIG torch SR17, ED, gas-cooled, 4 m	1105044
TIG torch SR17, ED, gas-cooled, 8 m	1105048

TIG torch SR18 water-cooled Up/Down TIG torch SR18 water-cooled (for CRAFT TIG series)

Technical data:		
Current max.	380 A (DC)	270 A (AC)
DC/AC duty cycle	100%	
Cooling	water-cooled	
Electrode diameter	1.0 – 4.0 mm	
Specification	Mono button switch with 10k potentiometer switch	
Equipment ex works	Electrode 2.4mm, long back cap, nozzle 11mm, 2.4mm collet, 2.4mm collet body	
Connection	DINSE 50 mm, 8.9 mm QF water connec- tion, M12x1- Gas connection with internal thread	
Plug connection	12-pin control cable connector	



Designation	Art. no.
TIG torch SR18, ED, water-cooled, 4 m	1105024
TIG torch SR18, ED, water-cooled, 8 m	1105028
Designation	Art. no.
TIG torch SR18, U/D, water-cooled, 4 m	1105034
TIG torch SR18, U/D, water-cooled, 8 m	1105038

TIG torch SR26 gas-cooled Up/Down TIG torch SR26 gas-cooled (for CRAFT-TIG series and EASY-TIG series)

Technical data:		
Current max.	180 A (DC)	125 A (AC)
DC/AC duty cycle	35%	
Cooling	gas-cooled	
Electrode diameter	1.0 – 4.0	
Specification	Mono button switch with 10k potentiometer switch	
Equipment ex works	Electrode 2.4mm, long back cap, nozzle 11mm, 2.4mm collet, 2.4mm collet body	
Connection	DINSE 50 mm, M12x1 gas connection with internal thread	
Plug connection	12-pin control cable connector	



Designation	Art. no.
TIG torch SR26, ED, gas-cooled, 4 m	1105004
TIG torch SR26, ED, gas-cooled, 8 m	1105008
Designation	Art. no.
TIG torch SR26, U/D, gas-cooled, 4 m	1105014
TIG torch SR26, U/D, gas-cooled, 8 m	1105018

Torch accessories for torches SR17, SR 18, SR 26, SSR 17 DD and SSR 7-26 DD

	No.	Designation	Ø / Nominal diameter	Art. no.	PU ⁽¹⁾
	1	Gas nozzle 47 mm	6.4 mm	1100304	10
		Gas nozzle 47 mm	8.0 mm	1100305	10
		Gas nozzle 47 mm	9.8 mm	1100306	10
		Gas nozzle 47 mm	11.2 mm	1100307	10
		Gas nozzle 47 mm	12.7 mm	1100308	10
		Gas nozzle 47 mm	15.7 mm	1100310	10
		Gas nozzle 47 mm	19.0 mm	1100312	10
	4	Teflon seal for nozzle		1100105	10
	No.	Designation	Ø / Nominal diameter	Art. no.	PU ⁽¹⁾
	2	Clamping sleeve housing	1.0 mm	1100210	10
		Clamping sleeve housing	1.6 mm	1100216	10
		Clamping sleeve housing	2.4 mm	1100224	10
		Clamping sleeve housing	3.2 mm	1100232	10
		Clamping sleeve housing	4.0 mm	1100240	10
	No.	Designation	Ø / Nominal diameter	Art. no.	PU ⁽¹⁾
	3	Clamping sleeve	1.0 mm	1100110	10
		Clamping sleeve	1.6 mm	1100116	10
		Clamping sleeve	2.4 mm	1100124	10
		Clamping sleeve	3.2 mm	1100132	10
		Clamping sleeve	4.0 mm	1100140	10
	No.	Designation	Ø / Nominal diameter	Art. no.	PU ⁽¹⁾
		Gas nozzle for gas lens size 4	6.4 mm	1100314	10
		Gas nozzle for gas lens size 5	8.0 mm	1100315	10
		Gas nozzle for gas lens size 6	9.8 mm	1100316	10
		Gas nozzle for gas lens size 7	11.2 mm	1100317	10
		Gas nozzle for gas lens size 8	12.7 mm	1100318	10
	No.	Designation	Ø / Nominal diameter	Art. no.	PU ⁽¹⁾
	8	Gas lens	1.0 mm	1103010	5
		Gas lens	1.6 mm	1103016	5
		Gas lens	2.4 mm	1103024	5
		Gas lens	3.2 mm	1103032	5
		Gas lens	4.0 mm	1103040	5
		Teflon seal for gas lens		1100107	10



Wear parts set for SR 17/18 and 26

1x short torch cap
1x medium torch cap
1x long torch cap

1x gas nozzle size 5 / 8 mm
1x gas nozzle size 6 / 9.8 mm
1x gas nozzle size 7 / 11.2 mm
1x gas nozzle size 8 / 12.7 mm
1x gas nozzle size 10 / 15.7 mm

1x clamping sleeve 1.0 mm
1x clamping sleeve 1.6 mm
1x clamping sleeve 2.4 mm
1x clamping sleeve 3.2 mm
1x clamping sleeve 4.0 mm

1x clamping sleeve housing 1.6 mm
1x clamping sleeve housing 2.0 mm
1x clamping sleeve housing 2.4 mm
1x clamping sleeve housing 3.2 mm
1x clamping sleeve housing 4.0 mm

Wear parts set Mini

1x Teflon seal for nozzle
2x clamping sleeve 1.6 mm
2x clamping sleeve 2.4 mm
2x clamping sleeve 3.2 mm
2x clamping sleeve housing 1.0 mm









2x gas nozzle d=9.8mm
1x medium torch cap
1x long torch cap
1x short torch cap
1x Teflon seal





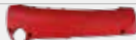
1x gas lens 1.6 mm
1x gas lens 2.4 mm
1x gas lens 3.2 mm
2x clamping sleeve 1.6 mm
2x clamping sleeve 2.4 mm

2x clamping sleeve 3.2 mm
2x gas nozzle, gas lens size 6
2x tungsten electrode gold 1.6 mm
2x tungsten electrode gold 2.4 mm
2x tungsten electrode gold 3.2 mm

(1) PU = quantity in pieces per packaging unit. Purchase only possible in PUs

Torch accessories for torches SR17, SR 18, SR 26, SSR 17 DD and SSR 7-26 DD

	No.	Designation	Ø / Nominal diameter	Art. no.	PU ⁽¹⁾
		Gas nozzle Mini size 4	6.4 mm	1100401	10
		Gas nozzle Mini size 5	8.4 mm	1100402	10
		Gas nozzle Mini size 6	9.8 mm	1100403	10
		Gas nozzle Mini size 7	11.2 mm	1100404	10
		Gas nozzle Mini size 8	12.7 mm	1100405	10
		Gas nozzle Mini size 10	15.7 mm	1100406	10
	No.	Gas lens Mini	Ø / Nominal diameter	Art. no.	PU*
		Gas lens Mini size 4		1100511	10
		Gas lens Mini size 5		1100512	10
		Gas lens Mini size 6		1100513	10
		Gas lens Mini size 7		1100514	10
		Gas lens Mini size 8		1100515	10
		Teflon seal for gas lens Mini		1472102	10
	No.	Clamping sleeve Mini	Ø / Nominal diameter	Art. no.	PU*
		Clamping sleeve Mini	1.0 mm	1473110	10
		Clamping sleeve Mini	1.6 mm	1473116	10
		Clamping sleeve Mini	2.4 mm	1473124	10
		Clamping sleeve Mini	3.2 mm	1473132	10
	No.	Clamping sleeve housing Mini	Ø / Nominal diameter	Art. no.	PU*
		Clamping sleeve housing Mini	1.6 mm	1473516	10
		Clamping sleeve housing Mini	2.4 mm	1473524	10
		Clamping sleeve housing Mini	3.2 mm	1473532	10

	No.	Designation	Ø / Nominal diameter	Art. no.	PU*
	5	Torch body (for SR17)		1100750	1
	1	Torch body (for SR26)		1100650	1
	6	Torch cap long 117 mm		1100100	2
		Torch cap short 22.5 mm		1100101	2
	7	Grip shells set		1100150	1
	8	Pushbutton (for SSR 17 DD, SSR 7-26 DD)		1100102	1
		Potentiometer 10k		1100112	1
	11	Handle shell halves for potentiometer (for SSR 17 DD, SSR 7-26 DD)		1100113	1
		Wear parts set		1100152	1
		Wear parts set "Mini"		1100200	1

(1) PU = quantity in pieces per packaging unit. Purchase only possible in PUs



TIG welding rods, low-alloy 1000 mm

WSG 2 MATERIAL NO. 1.5125 DIN 8559

- ▶ for the following base materials: St 35 - St 55, St 35.4 - St 55.4, St 33 - St 52.3, St 38.8 - St 45.8, grade A - E, A 32 - A 36, boiler plate H 1 - H 3, StE 255 - StE 380, 17 Mn 4, 19 Mn 6, GS 38 - GS 52
- ▶ Welding of unalloyed and low-alloy steels. Melts evenly and smoothly and is well suited for constrained position welding.
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
1.6 mm	5 kg	1450016
2.0 mm	5 kg	1450020
2.4 mm	5 kg	1450024
3.0 mm	5 kg	1450032

TIG medium alloy welding rods 1000 mm

SG Mo Material no. 1.5424 DIN 8575

- ▶ for the following base materials: St 37-3, St 44-3, St 52-3, H 1 - H 4.17 Mn 4.19 Mn 5.19 Mn 6, StE 36 - StE 47, St 45.8, Ast 35 - Ast 45
- ▶ Mo-alloyed welding rods for gas-shielded arc welding on high-temperature steels and high-strength fine-grain structural steels. Suitable for operating temperatures up to 550°C. The smooth and clear melting of the welding rod enables good constrained position welding.
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
2.0 mm	5 kg	1457020
2.4 mm	5 kg	1457024
3.0 mm	5 kg	1457032

TIG high-alloy welding rods

1.4316 DIN 8556: SG X 2 CR NI 19 9

- ▶ for the following base materials: 1.4301, 1.4306, 1.4308, 1.4311, 1.4312, 1.4450, 1.4541, 1.4543, 1.4550, 1.4552, 1.4878, 1.4961, 1.6901, 1.6902, 1.6903, 1.6905
- ▶ Connection and build-up welding on stainless and acid-resistant Cr and Cr-Ni steels. Not for use in high-sulphur media. Operating temperatures from -196°C to 350°C.
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
1.0 mm	5 kg	1451010
1.6 mm	5 kg	1451016
2.0 mm	5 kg	1451020
2.4 mm	5 kg	1451024
3.2 mm	5 kg	1451032

1.4551 DIN 8556: SG X 5 CR NI 19 9

- ▶ for the following base materials: 1.4301, 1.4306, 1.4308, 1.4310, 1.4312, 1.4319, 1.4541, 1.4550, 1.4840
- ▶ TIG or MIG/MAG welding of stainless austenitic steels
- ▶ Not for use in high-sulphur media.
- ▶ For operating temperatures of up to 400°C, scale-resistant up to +800°C
- ▶ Shielding gas: Argon, mixed gases e.g. M11, M23

Designation	PU	Art. no.
1.0 mm	5 kg	1455010
1.6 mm	5 kg	1455016
2.0 mm	5 kg	1455020
2.4 mm	5 kg	1455024
3.2 mm	5 kg	1455032

! Other dimensions, alloys, coil types and larger quantities on request.

Supplied in carton quantities (1 or 3 packs)



AL MG 3 MATERIAL NO. 3.3536 DIN 1732

- ▶ for the following base materials: Al Mg 3, Al Mg 1, Al Mg 2, Al Mg Mn, AlMg Si 0.5, G-Al Mg 3
- ▶ Welding of rolled and cast aluminium magnesium alloys
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
1.6 mm	5 kg	1450316
2.0 mm	5 kg	1450320
2.4 mm	5 kg	1450324
3.2 mm	5 kg	1450332
4.0 mm	5 kg	1450340

AL MG 5 MATERIAL NO. 3.3556 DIN 1732

- ▶ for the following base materials: Al Mg 5, Al Mg 3, Al Mg Mn, Al Mg 3 Si, G-Al Mg 3, G-Al Mg 5
- ▶ Welding of rolled and cast aluminium-magnesium alloys
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
1.6 mm	5 kg	1450416
2.0 mm	5 kg	1450420
2.4 mm	5 kg	1450424
3.2 mm	5 kg	1450432
4.0 mm	5 kg	1450440

AL MG 4.5 MN MATERIAL NO. 3.3548 DIN 1732

- ▶ for the following base materials: Al Mg 4.5 Mn, Al Mg 3, Al Mg 5, AlMgSi 0.5, Al Mg Si 1, Al Zn Mg 1
- ▶ Welding of rolled and cast aluminium-magnesium alloys
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
1.6 mm	5 kg	1450516
2.0 mm	5 kg	1450520
2.4 mm	5 kg	1450524
3.2 mm	5 kg	1450532
4.0 mm	5 kg	1450540

AL SI 5 MATERIAL NO. 3.2245 DIN 1732

- ▶ for the following base materials: Al Si 5, Al Mg Si 1, Al Cu Mg alloys, Al Zn Mg alloys
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
1.6 mm	5 kg	1450616
2.0 mm	5 kg	1450620
2.4 mm	5 kg	1450624
3.2 mm	5 kg	1450632
4.0 mm	5 kg	1450640

AL 99.5 MATERIAL NO. 3.0259 DIN 1732

- ▶ for the following base materials: l 99.5, Al 99, E-Al 99.5
- ▶ Welding of pure aluminium and aluminium
- ▶ Shielding gas: Pure argon

Designation	PU	Art. no.
1.6 mm	5 kg	1450716
2.0 mm	5 kg	1450720
2.4 mm	5 kg	1450724
3.2 mm	5 kg	1450732
4.0 mm	5 kg	1450740

BEST WELDING RESULTS THANKS TO OPTIMALLY GROUND TUNGSTEN ELECTRODES

EG 1

Electrode grinding device

Made in Germany

- ▶ Minimal material abrasion on the electrode of only 0.3 mm via built-in setting gauge
- ▶ This makes it possible to regrind the electrode up to 200 times instead of just 50-100 times.
- ▶ Does not anneal during the sanding process
- ▶ Integrated extraction system with P3 dust filter, providing optimum protection for the user
- ▶ Optimised for use in the workshop and during assembly
- ▶ Precise guidance of the electrode in a clamp holder
- ▶ Also for grinding short electrodes (up to 15 mm), e.g. for orbital welding systems
- ▶ A simple adjustment allows 3 grinding levels of the diamond disc can be used, therefore three times the service life of the disc
- ▶ Electrodes with metal drops can also be ground directly, which saves time and the cancellation of the electrode



Technical data		EG 1
Art no.		1690100
Electrode Ø	mm	1.0 - 4.0
Electrode length min.	mm	22
Grinding angle stepless	°	15 - 180
Infinitely variable speed	min ⁻¹	8,000 - 22,000
Diamond disc Ø	mm	40
Power ~50 Hz	W/V	850/ 230
Weight	kg	3.8

Scope of delivery
• Filter housing and filter
• Electrode holder
• Diamond disc Ø 40mm
• Collets for electrodes 1.6/2.4/3.2 mm
• Operating tool
• Disposal bag for disposable filters
• In a plastic case

Accessories	Art. no.
Diamond disc 40 mm	1690102
Electrode holder	1690103
Collet 1.0 mm	1690105
Collet 1.6 mm	1690106
Collet 2.0 mm	1690107
Collet 2.4 mm	1690108
Collet 3.2 mm	1690109
Collet 4.0 mm	1690110
Filter cassette	1690117
Disposal bag	1690121
Switches	1690131

EG 3 DC

New

Cordless electrode grinder. Best welding results thanks to optimally ground electrodes

- ▶ Powerful and flexible use thanks to integrated rechargeable battery
- ▶ Precise bevels thanks to preset grinding angles and diameters
- ▶ Increases the service life of the electrode and ensures a more stable arc
- ▶ Easy to change grinding disc
- ▶ Integrated display shows the current speed level and battery status
- ▶ Charging via USB-C



Technical data		EG 3 DC
Art no.		1692003
Electrode Ø	mm	1.6 - 3.2
Electrode length min.	mm	40
Grinding angle	°	15 - 50
Speed	min ⁻¹	8,000 - 35,000
Speed control		32-level
Diamond disc diameter	mm	33.5
Grain size		180
Dimensions (L x W x H)	mm	250 x 60 x 60
Weight	kg	0.85

Accessories	Art. no.
Grinding disc	1692040
Cover cap	1692041

EG 4 Electrode grinding device

- ▶ Easy handling thanks to pre-set grinding angles and diameters
- ▶ Grinding angle 15°, 18°, 22.5° and 30° selectable
- ▶ Handy device, ideal for use in the workshop or during assembly
- ▶ Integrated 5-stage speed control via rotary wheel
- ▶ Easy to change grinding disc



Technical data		EG 4
Art no.		1692004
Electrode Ø	mm	1.0 – 4.0
Electrode length min.	mm	30
Grinding angle	°	15 – 30
Speeds 5-stage	min ⁻¹	0 – 11,000
Diamond disc Ø	mm	33.5
Drive motor power ~50 Hz	kW/V	0.75 / 230
Dimensions (L x W x H) approx.	mm	340 x 76 x 76
Weight	kg	1.6



Scope of delivery

Grinding wheel transport case

Accessories	Art. no.
Cover cap	1692080
Angle display	1692081
Grinding disc	1692082
Pair of carbon brushes	1692083
Switches	1692084
Transport case	1692085
Cross coupling EG4	1692087
Rotor EG	1692088
Speed controller	1692089

EG 5 Electrode grinding device

- ▶ For the perfect grinding of tungsten electrodes
- ▶ Grinding angle infinitely adjustable from 0 to 60 degrees
- ▶ Stop for setting the correct sanding length integrated in the device
- ▶ Precise grinding in longitudinal direction, resulting in better ignition properties, stable arc and longer service life
- ▶ Problem-free grinding even with a length of only 50 mm, spherical caps or metal drops
- ▶ Clamping also possible with work gloves thanks to smooth-running knurled screw



Technical data		EG 5
Art no.		1692005
Electrode Ø	mm	1.6 – 5.0
Electrode length min.	mm	35
Grinding angle	°	15 – 60
Speed	min ⁻¹	6500
Diamond disc Ø	mm	90
Grain size		180
Drive motor power ~50 Hz	W/V	70 / 230
Dimensions (L x W x H) approx.	mm	225 x 150 x 195
Weight approx.	kg	4

Scope of delivery EG 5

- Diamond disc Ø 90mm
- One collet each 1.6/2.0/2.4/3.2/4.0 mm

Accessories	Art. no.
Diamond disc K180	1692050
Diamond disc K320	1692065
Electrode holder	1692051
Collet 1.6 mm	1692052
Collet 2.0 mm	1692053
Collet 2.4 mm	1692054
Collet 3.2 mm	1692055
Collet 4.0 mm	1692056
Collet 5.0 mm	1692057
Protective glass	1692058
Main switch	1692059
Rubber foot set	1692060
Gasket	1692061
Fastening screw	1692062
Spacer disc	1692063
Adjusting nut	1692064
Indicator	1692066

CLEANO 3 - the entry-level model for cleaning TIG/TIG seams
CLEANO 4 - Easy and safe cleaning and polishing of TIG seams with the professional entry-level model. And also marking bright and dark

Made in Germany

Tools and accessories

- ▶ Tools are made entirely of stainless steel - therefore no corrosion
- ▶ Tools have bayonet lock - therefore very quick change possible
- ▶ All electrolytes are environmentally friendly and can be used in the food industry



The stainless steel CLEANO 3 is versatile and includes 1 programme:

- ▶ Clean with the high-performance brush

The stainless steel CLEANO 4 is versatile and includes

- 4 different programmes:**
- ▶ Clean with the high-performance brush
 - ▶ Polishing with the high-performance brush
 - ▶ Sign dark
 - ▶ Sign bright

With high-performance carbon fibre brush

- ▶ even hard-to-reach areas and long seams can be cleaned
- ▶ And all absolutely thoroughly.
- ▶ Efficiently cleans TIG/TIG weld seams in seconds

The proven transformer technology allows:

- ▶ Compact device design
- ▶ fail-safe operation
- ▶ robust handling
- ▶ Simple and safe operation
- ▶ Use in the workshop and during assembly



CLEANO 3



CLEANO 4



Technical data		CLEANO 3	CLEANO 4
Art no.		1231120SK	1231130SK
Primary voltage	V / Hz	230 / 50 - 60	230 / 50 - 60
Secondary voltage		10 V AC 300 Hz	10 / 12 V AC 300 Hz, 12V DC
Output current	A	80	80
Power	W	800	800
Dimensions (L x W x H) approx.	mm	298 x 145 x 225	345 x 180 x 285
Weight approx.	kg	7.9	12

Scope of delivery includes original equipment set

- Plastic case
- Earth cable red, 3m with bayonet connection
- Black earth cable, 3m with bayonet connection
- Electrolyte C Plus, 1 litre
- Wide-mouth container, 500 ml
- Brushline high-performance brush

easystick 141 / easystick 161 230 volt electrode inverter models in standard version

ELECTRODE WELDING

- ▶ All appliances are built using modern inverter technology
- ▶ Ideally suited for assembly work (on a ladder, on scaffolding, etc.) and generally also for outdoor work thanks to protection class IP21S
- ▶ Suitable for use on generators, e.g. in workshops, schools, metal construction, on building sites or for farmers
- ▶ **Hot Start:** The arc ignites safely and is immediately stable thanks to the automatic, brief increase in welding current
- ▶ **Anti-stick:** if the electrode accidentally sticks, the welding current is automatically reduced, preventing the electrode from annealing
- ▶ **Arc force control:** The internal monitoring of welding current and welding voltage means that short circuits are resolved quickly and safely. This stabilises the arc and the electrode can be processed without any problems



Easy-Stick 161

Technical data		EASY-STICK 141	EASY-STICK 161
Art no.		1073014	1073016
Weldable electrodes	mm	1.6 – 3.2	1.6 – 4.0
Electrode power consumption	kVA	4.5	5
Electrode duty cycle at I _{max}	%	15	25
Electrode welding current at duty cycle=100%	A	55	80
Setting range for electrode	A	10 – 140	10 – 160
Sheet thicknesses	mm	1.0 – 4.0	1.0 – 6.0
Power consumption	A	36.6	36.5
Slow-blow fuse	A	16	16
Mains plug	A	16	16
No-load voltage	V	77.4	69.9
Protection class	IP	21S	21S
Required generator output	kVA	>8.4	>8.4
Electrical connection ~50 Hz	V	230	230
Dimensions (L x W x H) approx.	mm	320 x 135 x 255	320 x 135 x 255
Weight approx.	kg	4.3	4.4
Standard ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A	

Scope of delivery

- 3 metres welding cable 16 mm² with electrode holder 300 A
- 3 metres earth cable 16mm² with earth terminal 300 A



Accessories

Transport case

Art. no.

1174050

craftstick 161

Electrode inverter 230 volt model in standard version with sealed circuit board

- ▶ Modern inverter technology
- ▶ Ideally suited for assembly work (on a ladder, on scaffolding, etc.) and generally also for outdoor work thanks to protection class IP21S
- ▶ Suitable for use on generators, e.g. in workshops, harbours, chemical plants, schools, metal construction, on building sites, ships or for farmers
- ▶ **Sealed circuit board protects against moisture, salt spray and corrosion, making it also suitable for offshore use**
- ▶ **Hot Start:** The arc ignites safely and is immediately stable thanks to the automatic, brief increase in welding current
- ▶ **Anti-stick:** if the electrode accidentally sticks, the welding current is automatically reduced, preventing the electrode from annealing
- ▶ **Arc force control:** The internal monitoring of welding current and welding voltage means that short circuits are resolved quickly and safely. This stabilises the arc and the electrode can be processed without any problems
- ▶ Longer duty cycle than the EASY-STICKseries



Control:

Technical data		CRAFT-STICK 161	
Art no.		1073161	
Weldable electrodes	mm	1.6 – 4.0	
Electrode power consumption	kVA	5.2	
Electrode Welding current at ED = 100%	A	90	
Setting range for electrode	A	10 – 160	
Sheet thicknesses	mm	1.0 – 6.0	
Power consumption	A	36.5	
No-load voltage	V	75.3	
Protection class	IP	21S	
Required generator output	kVA	>8.7	
Electrical connection ~50 Hz	V	230	
Dimensions (L x W x H) approx.	mm	320 x 135 x 255	
Weight approx.	kg	4.9	
Standard ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A	



Scope of delivery

- 3 metres welding cable 16 mm² with electrode holder 300 A
- 3 metres earth cable 16mm² with earth terminal 300 A



Accessories

Transport case

Art. no.

1174050

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system.

craftstick 161 P / craftstick 201 P

Robust 230 V electrode inverter with sealed circuit board for professional use

ELECTRODE WELDING

- ▶ All appliances are built using modern inverter technology
- ▶ Ideally suited for assembly work (on a ladder, on scaffolding, etc.) and generally also for outdoor work thanks to protection class IP21S
- ▶ Suitable for use on generators, e.g. in workshops, schools, metal construction, on building sites or for farmers
- ▶ **Sealed circuit board protects against moisture, salt spray and corrosion, making it also suitable for offshore use**
- ▶ **Working with PFC:** this enables use on generators
- ▶ **VRD** (voltage reduction in no-load operation) equipped
- ▶ Precise setting of welding parameters via digital display
- ▶ TIG welding with Lift-Arc ignition
- ▶ TIG DC function = enables simple TIG welding with contact ignition



440V Tested
in production
220V

- ▶ **Hot Start:** The arc ignites safely and is immediately stable thanks to the automatic, brief increase in welding current
- ▶ **Anti-stick** if the electrode accidentally sticks, the welding current is automatically reduced, preventing the electrode from annealing
- ▶ **Arc force control:** The internal monitoring of welding current and welding voltage resolves short circuits quickly and reliably, stabilising the arc and allowing the electrode to be processed without any problems
- ▶ Universally applicable for welding all common electrode types



Control



Craft-Stick 161P

Info & Video



Technical data		CRAFT-STICK 161P	CRAFT-STICK 201P
Art no.		1073162	1073201
Weldable electrodes	mm	1.6 – 4.0	1.6 – 4.0
Sheet thicknesses	mm	1.0 – 8.0	1.0 – 10.0
Setting range electrode / TIG DC	A	10 – 160	10 – 200
Duty cycle at max. current 40°C TIG DC / electrode	%	30	40
Current at 100% duty cycle 40°C TIG DC / electrode	A	90	130
Power consumption	A	MMA 22.1 / TIG 14.7	MMA 28.8 / TIG 19.5
No-load voltage	V	MMA 70.6 / TIG 65.6	MMA 68.7 / TIG 65.3
Slow-blow fuse	A	16	16
Protection class		IP21S	IP21S
Power consumption TIG DC / electrode	kVA	3.4 / 5.1	4.5 / 6.6
Overall performance	kVA	5.1 / 3.4	6.6 / 4.5
Required generator output	kVA	>5.1	>6.6
Electrical connection ~50 Hz	V	230	230
Dimensions (L x W x H) approx.	mm	365 x 150 x 280	365 x 150 x 280
Weight approx.	kg	6.7	6.7
Standard ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A	

Scope of delivery

- Welding cable 16 mm² with 300A, 3 m
- Earth cable 16 mm² with 300A earth terminal, 3 m

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system.

Craftstick 253

400 volt electrode inverter in standard version with sealed circuit board

Craftstick 403 CEL

400 V electrode inverter for industrial use, suitable for cellulose electrodes

- ▶ All appliances are built using modern inverter technology
- ▶ Ideally suited for assembly work (on a ladder, on scaffolding, etc.) and generally also for outdoor work thanks to protection class IP21S
- ▶ Suitable for use on generators, e.g. in workshops, schools, metal construction, on building sites or for farmers
- ▶ TIG welding with Lift-Arc ignition
- ▶ **Hot Start:** The arc ignites safely and is immediately stable thanks to the automatic, brief increase in welding current
- ▶ Adjustable hot start and arc force

- ▶ **Anti-stick:** if the electrode accidentally sticks, the welding current is automatically reduced, preventing the electrode from annealing
- ▶ **Arc force control:** The internal monitoring of welding current and welding voltage means that short circuits are resolved quickly and safely. This stabilises the arc and the electrode can be processed without any problems
- ▶ **VRD (Volt Reduction Device):** Voltage reduction in no-load operation

ELECTRODE WELDING

VRD
safe



- ① Welding current and other parameters
- ② Setting the welding current
- ③ Hot start control
- ④ Arc force control
- ⑤ Selection button for electrode, TIG or VRD with display
- ⑥ Warning light
- ⑦ Operating status display



CRAFT-STICK 253



Craft-Stick 403 CEL



CONTROL CABLE PLUG

› for manual remote control

Scope of delivery CRAFT-STICK 253

- Welding cable 25 mm² with electrode holder 300 A, 3 m
- Earth cable 25mm² with earth terminal 300 A, 3 m

Scope of delivery CRAFT STICK 403 CEL

- Welding cable 50 mm² with electrode holder 500 A, 3 m
- Earth cable 50mm² with earth terminal 500 A, 3 m

Technical data		CRAFT-STICK 253	CRAFT-STICK 403 CEL
Art no.		1073253	1073403
Weldable electrodes	mm	1.6 – 5.0	1.6 – 8.0
Setting range TIG DC /electrode	A	20 – 250	20 – 400
ED at max. current 40°C TIG DC /electrode	%	60	60
Current at 100% duty cycle 40°C TIG DC / electrode	A	200	310
Total current consumption TIG/electrode	A	13.1 / 17.7	32.3 / 25.1
Power consumption TIG/electrode	kVA	6.3/ 8.5	12.4 / 16.4
Required generator output	kVA	>10	400
Electrical connection ~50 Hz	V	400 ±10%	400
Dimensions (L x W x H) approx.	mm	495 x 190 x 350	400
Weight approx.	kg	11.8	560 x 240 x 440
Standard ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A	

Accessories	Art. no.
Earth cable complete MK4/50 KS13 600A	1250250
Welding cable complete SK4/50 KS13 EH600	1250363
Torch TIG WP 26 V, 4 m	1462614
Earth cable complete MK4/50 KS13 600A	1250250
Earth cable complete MK4/70 KS13 600A	1250270
Welding cable complete SK4/50 KS13 EH600	1250363
Welding cable complete SK4/70 KS13 EH600	1250364
Torch TIG WP 26 V, 4 m	1462614
Manual remote control	1174011

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system.

Series **Craftcut**

Compact, economical and powerful plasma cutters for continuous professional use

- ▶ For stainless steel, aluminium, steel, non-ferrous metals, also with painted surfaces
- ▶ From thin sheets to heavy plates
- ▶ Suitable for use on generators, e.g. in workshops, harbours, chemical plants, schools, metal construction, on building sites, ships or for farmers
- ▶ Pilot ARC controller: The set welding current is only released after the arc has been ignited

PLASMA CUTTING



CRAFT-CUT 41P

- ▶ Power factor correction PFC also enables use on cable reels

Equipment	Craft-CUT 41P	Craft-CUT 41P	Craft-CUT 63	Craft-CUT 123 CNC
LCD display			✓	✓
Pilot ARC controller	✓	✓	✓	✓
PFC operation		✓		
CNC interface				✓
Trafimector connection			✓	✓



Craft-CUT 41P

Craft-CUT 63

CNC INTERFACE

› for machine connection

Craft-CUT 123 CNC

Scope of delivery

Craft-CUT 41P

- Plasma torch **S65** / 6m
- Earth cable 6 mm², 3 m with earth terminal 300 A
- Standard central adapter
- Filter pressure regulator with plug nipple

Scope of delivery

Craft-CUT 63

- Plasma torch
- **PLUSCUT 65**, 6m
- 3 metres earth cable 8mm² with earth terminal 300 A
- Central adapter Trafimector

Scope of delivery

Craft-CUT 123 CNC

- Plasma torch
- **PLUSCUT 105**, 6m
- 3 metres earth cable 8mm² with earth terminal 300 A
- Central adapter Trafimector

CraftCut63 and 123CNC

The TRAFIMECTOR® is one of the most compact connectors on the market and allows the torch to be changed without tools.



Technical data		CRAFT-CUT 41P	CRAFT-CUT 63	CRAFT-CUT 123 CNC
Art no.		1075042	1075064	1075124
Duty cycle plasma	%	60	90	60
Duty cycle current at 100%	A	30	61	100
Plasma setting range approx.	A	40	20 – 65	20 – 120
Quality cut steel (ST37)	mm	15	25	45
Parting cut steel (ST37) max.	mm	20	30	50
Quality cut stainless steel max.	mm	15	25	45
Parting cut stainless steel max.	mm	20	30	50
Quality cut aluminium max.	mm	14	20	30
Separating cut aluminium max.	mm	16	22	35
Electrical connection ~50 Hz	V	230	400	400
Dimensions (L x W x H) approx.	mm	460 x 145 x 280	660 x 240 x 445	700 x 240 x 445
Weight approx.	kg	8.5	23	33
Standard ¹⁾		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A Insulation class H		



Craft-CUT 41: When used in the welding current range between 30A and 40A, the circuit breaker or fuse may trip in Germany

¹⁾ EMC class A: Welding equipment not intended for use in residential areas where the power supply is provided by a public low-voltage supply system. All devices protection class IP21S

Plasma torch ErgoCut S65 air-cooled

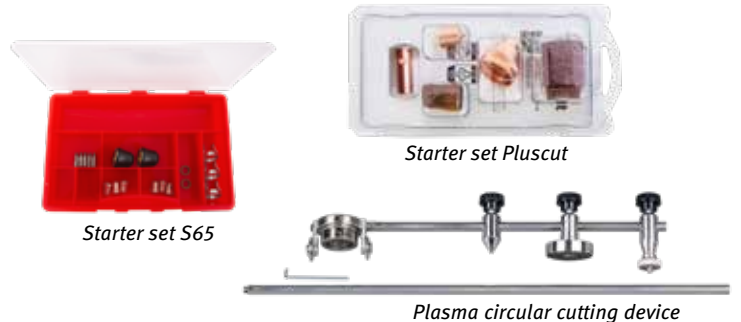
- ▶ Best cutting results at high cutting speed
- ▶ Excellent cooling of wear parts leads to long service life
- ▶ The special handle shape with rubberised surface ensures optimum ergonomics and prevents the cutting torch from twisting in the hand
- ▶ Newly developed microswitch torch trigger for greater precision and convenience. A little finger pressure is all it takes to operate it.
- ▶ Torch push-button with protection class IP67
- ▶ The unique Trafimector-connector enables connection and disconnection with just one hand.

Model	ErgoCut S65
Art. no.	1332065
Technical data	
Connection	Central connection
Hosepack length	6 m
Welding current DC max.	60A
Air pressure	4 bar
Compressed air consumption	100 l/min

No.	Designation	Art. no.
5	Plasma electrode short (10 pcs.)	1332100
3	Cutting nozzle 0.8 (10 pcs.)	1332101
3	Cutting nozzle 1.0 (10 pcs.)	1332102
3	Cutting nozzle 1.6 for gouging (5 pcs.)	1332106
2	External protective nozzle 29 mm (2 pcs)	1332103
1	Distance piece (2 pcs.)	1332104
	Contact guard (2 pcs.)	1332105
4	Diffuser 4.6 mm (1 pc.)	1333112
	Guide carriage (1 pc.)	1333141

Equipment kit	Art. no.
Wear parts set S65	1332110
Starter set Pluscut 85A	1331720
Starter set Pluscut 105A	1331730

Plasma circular cutting device	Art. no.
for ErgoCut S65	1333121
for Pluscut 85 / 105	1331740



Plasma torch Pluscut 85 / Pluscut 105 air-cooled including Trafimector connection

Model	Pluscut 85	Pluscut 105
Art. no.	1335085	1335120
Technical data		
Hosepack length	6 m	6 m
Welding current DC max.	85 A	105 A
Air pressure	4.5 – 5 bar	4.5 – 5 bar
Compressed air consumption	225 l/min	250 l/min

No.	Designation	Art. no. Pluscut 85	Art. no. Pluscut 105
3	Swirl-Ring Pluscut (1 pc.)	1331703	1331731
5	External protective nozzle Pluscut (2 pcs)	1331705	1331734
6	Pluscut protective cap (2 pcs.)	1331707	1331735
	Protective cap for gouging tools (2 pcs)	1331714	1331736
	Cutting nozzle Pluscut (5 pcs.)	1331721	1331732
	Cutting nozzle long Pluscut (5 pcs)	1331722	1331733
	Cutting nozzle for gouging (5 pcs.)	1331723	1331737





Made in Germany

SRF Master / SRF Profi / RF Maxi XL

Compact and robust filter units with suction arms for low to medium quantities of smoke and dust. For sporadic to regular use.

SRF Master

Area of application

- ▶ Low levels of smoke/dust
- ▶ Occasional use

Benefits

- ▶ Little adjustment of the extraction hood required
- ▶ More flexible due to additional hose connection at the rear

Properties

- ▶ Safe operation thanks to filter monitoring
- ▶ Extraction hood can be rotated and swivelled 360 degrees
- ▶ Push handle and cable holder



2 m SUCTION ARM



SRF Professional

Area of application

- ▶ Low to medium amounts of smoke/dust
- ▶ Occasional to frequent use

Benefits

- ▶ Little adjustment of the extraction hood required
- ▶ Convenient filter change through maintenance door
- ▶ Safe operation thanks to rotating field detection

Properties

- ▶ Safe operation thanks to filter monitoring
- ▶ Extraction hood can be rotated and swivelled 360 degrees
- ▶ Automatic start/stop (optional)



3 m SUCTION ARM



RF Maxi XL

Area of application

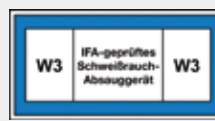
- ▶ Medium amounts of smoke/dust
- ▶ Regular use

Benefits

- ▶ Little adjustment of the extraction hood required
- ▶ Contamination-free filter change
- ▶ Safe operation thanks to rotating field detection
- ▶ High efficiency due to long filter service life

Properties

- ▶ Safe operation thanks to filter monitoring
- ▶ Extraction hood can be rotated and swivelled 360 degrees
- ▶ Automatic start/stop (optional)



AUTOMATIC FILTER CLEANING

3 m SUCTION ARM



Filter technical data		SRF Master	SRF Professional	SRF Master XL
Art no.		1800020	1800025	1800040
Procedure		3-stage	2-stage	2-stage
Filter type		Disposable filter	Disposable filter	Cleaning filter
Filter area	m ²	approx. 13	approx. 17	approx. 10
Degree of separation	%	> 99	> 99	> 99
Filter material		Glass fibre fleece	Glass fibre fleece	ePTFE membrane
Additional filters		Two pre-filters	Pre-filter	-

Technical data		SRF Master	SRF Professional	SRF Master XL
Extraction capacity	m ³ /h	max. 950	max. 1100	max. 1000
Suction arm / suction connection	mm	Ø 150	Ø 150	Ø 150 / -
Compressed air connection	bar	-	-	5-6
Sound pressure level	dB(A)	72	70	69
Motor power ~50 Hz	kW/V	1.1 / 230	1.1 / 400	1.5 / 400
Dimensions (L x W x H) approx.	mm	705 x 655 x 900	785 x 730 x 950	655 x 655 x 1355
Weight approx.	kg	71	106	135

SRF Master accessories	Art. no.
Main filter	1810020
Pre-filter cassette	1810021
10 x pre-filter mats	1810022

SRF Professional accessories	Art. no.
Main filter	1810025
10 x pre-filter mats	1810026
Automatic start/stop	1810100

SRF Master XL accessories	Art. no.
Automatic start/stop	1810100
Replacement filter	1810040

Additional equipment on request

The welding fumes produced during welding contain toxic and carcinogenic pollutants such as iron and aluminium oxides, which are harmful to the respiratory tract and lungs. This can lead to irritation of the mucous membranes and respiratory tract, respiratory paralysis, headaches, dizziness, nausea or even pulmonary oedema. Protect yourself now with the filter devices from **SCHWEISSKRAFT**.

SRF MAXI C 2.0

Compact and robust filter unit with extraction arms

Made in Germany

- ▶ Automatic cleaning of the filter using compressed air
- ▶ Durable disposable filter with high absorption capacity (42 m² filter surface)
- ▶ High separation efficiency of >99.9%
- ▶ Contamination-free filter change
- ▶ Flexible suction arm with 3 m length
- ▶ High efficiency due to large filter capacity
- ▶ KemTex ePTFE filter cartridge for optimum health protection
- ▶ Safe operation due to rotating field detection
- ▶ Mobile with robust rollers - easy to move, even in confined spaces
- ▶ Also suitable for chrome-nickel steel
- ▶ Automatic start/stop and extraction bonnet with lighting optionally available



3 m SUCTION ARM

Technical data		SRF MAXI C 2.0
Art no.		1800036
Filter type		Cleaning filter
Filter area approx.	m ²	15
Degree of separation	%	>99.97
Filter material		ePTFE membrane
Filter class		M
Dust class		M
Additional filters		Spark pre-separator made of aluminium mesh
Extraction capacity max.	m ³ /h	1450
Suction arm diameter	mm	150
Suction arm length	m	3
Compressed air connection	bar	5 – 6
Sound pressure level	dB(A)	73
Drive motor power ~50 Hz	kW/V	2.2 / 400
Dimensions (L x W x H) approx.	mm	973 x 834 x 1350
Weight approx.	kg	197



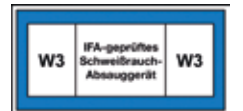
Accessories	Art. no.
Replacement filter	1810035
② Automatic start/stop	1810100
① Extraction hood with lighting	1810222
Suction bonnet	1810300
Pre-filter insert Aluminium mesh	1810301
Dust collection bag, set of 5	1810302

SRF SmartFil

The mobile professional welding fume extractor for regular use

Made in Germany

- ▶ Safe operation due to rotating field detection
- ▶ Less tracking of the suction arm thanks to the flow-optimised design of the extraction hood
- ▶ Increased safety through filter monitoring
- ▶ High efficiency thanks to large capacity and long filter service life
- ▶ Centrifugal fan



3 m SUCTION ARM

Filter technical data		SRF SmartFil
Art no.		1800031
Filtering process		2-stage
Filter type		Disposable filter
Filter area	m ²	25
Degree of separation	%	≥ 99.5
Filter material		Polyester fleece
Filter class		E12
Additional filters		Pre-filter
Technical data		
Extraction capacity	m ³ /h	1100
Suction arm	mm	Ø 150
Drive motor power ~50 Hz	kW/V	1.5 / 400
Dimensions (L x W x H) approx.	mm	795 x 836 x 1169
Weight approx.	kg	131



Accessories	Art. no.
① Replacement filter 25 m ²	1810220
Replacement filter 42 m ²	1810221
② Extraction hood with lighting	1810222

SRF WallMaster

Cost-effective welding fume filter solution for modular design with high filter capacity and safe filter replacement

Made in Germany

- ▶ Medium amounts of smoke/dust
- ▶ Modular expansion in combination with registration elements
- ▶ One to two workstations
- ▶ Increased safety thanks to contamination-free filter changes
- ▶ High efficiency thanks to large capacity and long filter service life

- ▶ Cost-effective welding fume filter by means of simple retrofitting to existing detection elements

- ▶ Robust filter monitoring with the help of pressure gauge
- ▶ Retrofittable
- ▶ Integrated lifting device for filter change
- ▶ Quick and easy installation
- ▶ Compact and stable design
- ▶ Mechanical operation of the filter medium

Technical data		SRF WallMaster
Art no.		1800005
Filtering process		2-stage
Type		Disposable filter
Surface area	m ²	42
Material		Polyester fleece
Degree of separation	%	≥ 99.5
Filter class		E12
Extraction capacity max.	m ³ /h	1600
Extraction connection-Ø	mm	160
Dimensions (L x W x H) approx.	mm	765 x 715 x 795
Weight approx.	kg	65



Fig. shows scope of delivery



Fig. shows SRF WallMaster with 2x SRF exhaust air set (Article No. 1800006)



Integrated lifting device for filter change



Accessories	Art. no.
Replacement filter	1810055

SRF exhaust air set

Welding fume exhaust air set with extraction arm and fan

Made in Germany

Application

- ▶ Large quantities of smoke/dust
- ▶ Permanent use
- ▶ Where air filtration is not absolutely necessary
- ▶ Welding fumes, gases, vapours, light dusts

Benefits

- ▶ 40% less tracking of the suction arm thanks to the flow-optimised design of the hood
- ▶ Holds set position unsupported thanks to internal support rods

Properties

- ▶ Retrofittable
- ▶ Quick and easy installation
- ▶ Compact and stable design
- ▶ Mechanical operation of the filter medium



Fig. shows SRF WallMaster (Article No. 1800005) with 2x SRF exhaust air set

Technical data		SRF exhaust air set
Art no.		1800006
Extraction capacity	m ³ /h	1000
Fan capacity max.	m ³ /h	2000
Suction arm Ø	mm	150
Suction arm length	m	3
Motor power ~50 Hz	kW/V	0.75 / 400

Scope of delivery:

Fan, extraction arm with hood, wall bracket, motor protection switch, set of connection materials, exhaust air duct extendable from 1.25 - 5.00 m and suitable exhaust air connection piece

Grinding tables

Robust grinding tables for extraction

Made in Germany

- ▶ Also suitable for larger workpieces, as side panels can be folded down
- ▶ Reduced noise emission due to soundproofed side panels

- ▶ Higher grinding dust collection rate due to the return flow frame
- ▶ Easy cleaning thanks to integrated slag drawer

Technical data		1010x1060x1700	1360x1060x1700	1510x1060x1700	2000x1060x1700
Art no.		1801105	1801110	1801115	1801120
Table height	mm	800	800	800	800
Table top (L x W)	mm	1010 x 760	1360 x 760	1510 x 760	2000 x 760
Suction nozzle Ø	mm	250	250	250	250
Length approx.	mm	1010	1360	1510	2000
Dimensions (W x H) approx.	mm	1060 x 1700	1060 x 1700	1060 x 1700	1060 x 1700
Weight approx.	kg	159	192	210	271



1510 x 1060 x 1700 mm

PERSONAL PROTECTIVE EQUIPMENT

Welding jacket with fabric back

Pleasant wearing comfort and high level of safety when welding

- ▶ Front and sleeves made of heat- and fire-resistant split cow leather
- ▶ Leather splash guard on the front strip
- ▶ The back is made of flame-retardant fabric for a cooler feel.



Technical data	Welding jacket, size L
Art no.	1616200L
Technical data	Welding jacket, size XL
Art no.	1616200XL

Welding apron 100 x 60 cm

Individually adjustable welding apron made of split leather

- ▶ Front and sleeves made of heat- and fire-resistant split cow leather
- ▶ Leather splash guard on the front strip
- ▶ The back is made of flame-retardant fabric for a cooler feel.



Technical data	Welding apron 100 x 60 cm
Art no.	1616300
Length x Width approx.	1,070 x 630 mm

TIG welder's glove *Basic*

Ideal for TIG welding with high dexterity

- ▶ Goatskin leather palm with split leather cuff
- ▶ Back of the hand made from cow split leather
- ▶ Long cuff to protect against sweat beads

Technical data		Basic			Pro		
		Size M	Size L	Size XL	Size M	Size L	Size XL
Art. no.		1616120M	1616120L	1616120XL	1616121M	1616121L	1616121XL
EN 407:2004, Thermal risks		413X4X			413X4X		
EN 388:2016, Mechanical risks		2111X			2111X		
DIN EN 12477:2001		Version B			Version B		
Hand circumference, approx.	mm	220	240	270	220	240	270
Length approx.	mm	328	330	340	325	330	338



TIG Basic

TIG Pro

MIG/MAG welder's glove *Basic*

Particularly suitable for shielding gas

- ▶ Very soft and supple premium cow split leather
- ▶ Fleece lining for high comfort
- ▶ Long cuff to protect against sweat beads



- Better dexterity thanks to seamless index finger, for ergonomic gripping



MIG/MAG welder's glove *Pro*

Particularly suitable for shielding gas, with double-layer palm

- Better dexterity thanks to seamless index finger, for ergonomic gripping

- Palm made from double-layer cowhide leather



Technical data		Basic size L	Basic size XL
Art no.		1616110L	1616110XL
EN 407:2004, Thermal risks		413X4X	
EN 388:2016, Mechanical risks		3144X	
DIN EN 12477:2001		Version A	
Hand circumference, approx.	mm	240	270
Length approx.	mm	355	360

Technical data		Pro size L	Pro size XL
Art no.		1616111L	1616111XL
EN 407:2004, Thermal risks		413X4X	
EN 388:2016, Mechanical risks		3144X	
DIN EN 12477:2001		Version A	
Hand circumference, approx.	mm	240	270
Length approx.	mm	355	360

New

Welding bonnet Extended head and neck protection

- ▶ **High quality material:** Made from flame-retardant cotton - lightweight, breathable and machine washable for maximum comfort and durability
- ▶ **Reliable protection:** Reliably protects the head and neck from sparks, heat and welding spatter. Ideal for safe working in demanding environments
- ▶ **Sophisticated design:** With integrated mesh lining for better air circulation and comfort. Wide, adjustable Velcro fastener makes it easy to put on and take off

- ▶ **Universally applicable** Compatible with all standard welding helmets. Ideal for welding and related processes where spark and heat protection is required



Technical data		Welding bonnet
Art no.		1616510
Perimeter head	mm	550 – 620
Length	mm	420
Weight approx.	g	110
Lining		Mesh fabric
Material		Flame-retardant cotton

Hand protection shield D

- ▶ Made of polypropylene (PP)
- ▶ straight design
- ▶ for glass size 90 x 110 mm
- ▶ without protective glasses



Technical data	Hand protection shield D
Art no.	1600610

Hand protection shield G

- ▶ Fibreglass
- ▶ cranked design
- ▶ for glass size 90 x 110 mm
- ▶ without protective glasses



Technical data	Hand protection shield G
Art no.	1600620

Clear-view hand shield G

- ▶ Fibreglass
- ▶ cranked design
- ▶ Isolated mechanics
- ▶ for glass size 90 x 110 mm
- ▶ without protective glasses



Technical data	Clear-view hand shield G
Art no.	1600600

Head protection shield G

- ▶ Fibreglass
- ▶ with headband
- ▶ for glass size 90 x 110 mm
- ▶ without protective glasses

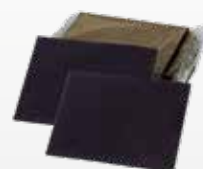


Technical data	Head protection shield G
Art no.	1600710

Welder's protective glass

Accessories	Art. no.
SSG-V90x110 DIN9A mirrored	1601109
SSG-V90x110 DIN10A mirrored	1601110
SSG-V90x110 DIN11A mirrored	1601111
SSG-V90x110 DIN12A mirrored	1601112
SSG-V90x110 DIN13A mirrored	1601113

Accessories	Art. no.
SSG90x110 DIN9A	1601009
SSG90x110 DIN10A	1601010
SSG90x110 DIN11A	1601011
SSG90x110 DIN12A	1601012
SSG90x110 DIN13A	1601013



suitable for 1600610 / 1600620 / 1600600 / 1600710

Automatic welding helmets - first-class quality, tried and tested hundreds of thousands of times!

VARIOPROTECT XL-W TC

VarioProtect[®] solar power
TRUE COLOUR DISPLAY



Technical data	VarioProtect XL-W TC
Art no.	1651000
Viewing window (W x H)	100 x 49 mm
Power supply	Solar cells + replaceable battery
On/Off	Fully automatic
UV/IR protection	Protection level 16 (permanent)
Protection levels	DIN 9-13
Light level	Protection level 4
Class	1/1/1/2
Switching response time	0.1 ms
Material	Nylon
Weight approx.	490 g

VARIOPROTECT XXL-W-2 TC

VarioProtect[®] solar power
TRUE COLOUR DISPLAY

► For electrode, MIG/MAG and TIG welding and grinding



Technical data	VarioProtect XXL-W-2 TC carbon		
Art no.	1654025		

Technical data	red	orange	blue
Art no.	1654025-2	1654025-3	1654025-4

Technical data	VarioProtect XXL W
Viewing window (W x H)	100 x 73 mm
Power supply	Solar cells + replaceable battery
On/Off	Fully automatic
UV/IR protection	Protection level 16 (permanent)
Protection levels	DIN 4-8/9-13
Light level	Protection level 4
Class	1/1/1/1*
Switching response time	0.3 ms
Material	Polyamide
Weight approx.	430 g

VARIOPROTECT PANORAMA W S-TC

VarioProtect[®] solar power
TRUE COLOUR DISPLAY



Best marks
1/1/1/1 in the
classification

Technical data	VarioProtect Panorama W S-TC
Art no.	1654060
Viewing window (W x H)	100 x 67 mm
Power supply	Solar cells + replaceable battery
On/Off	Fully automatic
UV/IR protection	Protection level 16 (permanent)
Protection levels	DIN 5-9/9-13
Light level	Protection level 3
Class	1/1/1/1*
Switching response time	0.04 ms
Material	Nylon
Weight approx.	540 g

VARIOPROTECT XXL-W F-TC

VarioProtect[®] solar power
TRUE COLOUR DISPLAY



· **Flip-up system:**
The cassette is folded up into the helmet so that you can see directly through the clear protective disc when grinding, for example.

Best marks
1/1/1/1 in the
classification

Technical data	VarioProtect XXL-W F-TC
Art no.	1654100
Viewing window (W x H)	100 x 65 mm
Power supply	Solar cells + replaceable battery
On/Off	Fully automatic
UV/IR protection	Protection level 16 (permanent)
Protection levels	DIN 4-13
Light level	Protection level 4
Class	1/1/1/1*
Switching response time	0.3 ms
Material	Nylon
Weight approx.	558 g

*Best marks in the evaluation of the optical class / scattering class / homogeneity class / class of angular properties

VARIOPROTECT 3XL-W DIGITAL TC



Technical data	VarioProtect 3XL-W Digital TC
Art no.	1654030
Viewing window (W x H)	100 x 93 mm
Power supply	Solar cells + replaceable battery
On/Off	Fully automatic
UV/IR protection	Protection level 16 (permanent)
Protection levels	DIN 4-8/DIN 8-13
Light level	Protection level 4
Class	1/1/1/1*
Switching response time	0.04 ms
Material	Nylon
Weight approx.	550 g

VARIOPROTECT PANORAMA-W DIGITAL TC



Technical data	VarioProtect PANORAMA-W DIGITAL TC
Art no.	1654040
Viewing window (W x H)	115 x 85 mm
Power supply	Solar cells + replaceable battery
On/Off	Fully automatic
UV/IR protection	Protection level 16 (permanent)
Protection levels	DIN 4-8/8-14
Light level	Protection level 4
Class	1/1/1/1*
Switching response time	0.04 ms
Material	Nylon
Weight approx.	570

VARIOPROTECT PANORAMA-W-2 TC/ TC AIR

Welding helmet with air filter system

- ▶ For electrode, MIG/MAG and TIG welding and suitable for grinding
- ▶ Welding in true colour thanks to True Color Cassette in the main viewing window
- ▶ Comfortable welding with 180° field of view
- ▶ Easy operation, even with welding gloves
- ▶ Side windows also dim automatically
- ▶ Highly efficient air filtration and air supply system provides the welder with clean and filtered air, preventing the inhalation of dangerous and harmful particles and welding vapours
- ▶ Even air distribution in the helmet



Technical data	VarioProtect PANORAMA-W-2 TC /AIR
Art no.	1654110/ 1654115
Viewing window (W x H)	108 x 73 mm
Light-dark response time	0.3 ms
UV/IR protection	Protection level 16 (permanent)
Light level	Protection level 4
Solar cells	Yes
Replaceable battery type	Lithium battery (CR2450)
Number of sensors	4
Class	1/1/1/1*
Material	Polyamide
Air flow	Level 1: 180 / Level 2: 220 l/min
Filter type	TH3P R SL
Filter battery life	Level 1: 10 h / Level 2: 9 h
Dimensions (L x W x H) approx.	180 x 240 x 320 mm



Accessories	Art. no.
① Filter	1662065
② Pre-filter	1662066
③ Spark arrester	1662067
④ Li-ion battery	1662068
⑤ Belt	1662069
Air hose	1662070
Charger	1662071
⑥ Filter cover	1662072

*Best marks in the evaluation of the optical class / scattering class / homogeneity class / class of angular properties

VARIOPROTECT XXL-W F-TC AIR

Automatic welding helmet- Welding in true colours and grinding with clean breathing air

- ▶ Suitable for electrode, MIG/MAG and TIG welding and grinding
- ▶ Welding in true colours thanks to True Colour cassette
- ▶ Flip-up system: Cassette is folded up in the helmet, e.g. to be able to look directly through the clear protective disc when grinding
- ▶ Highly efficient air filtration and air supply system provides the welder with clean and filtered air, preventing the inhalation of dangerous and harmful particles and welding vapours
- ▶ Two fan speeds selectable
- ▶ Even air distribution in the helmet

- ▶ Easy operation, even with welding gloves
- ▶ Large field of vision
- ▶ Welding mask with rear centre of gravity, very light, gentle on the head and neck



Welding field of view
Sliding vision panel

Best marks
1/1/1/1 in the
classification



Scope of delivery

- Air filter system
- Rechargeable Li-ion battery
- Battery charger
- Breathing tube with cover 1 m
- Hip belt
- Black carrier bag

Technical data	VarioProtect XXL-W F-TC AIR	Number of sensors	4
Art no.	1654105	Class	1/1/1/1*
Viewing window (W x H)	100 x 65 mm	Material	Polyamide
Light-dark response time	0.3 ms	Air flow 2 stages	180 l/min / 220 l/min
Dark protection level	DIN 4-13	Filter type	TH3P R SL
UV/IR protection	Protection level 16	Filter battery life, 2 levels	10 h / 9 h
Light level	Protection level 4	Battery type	Li-ON 14.8V 2.2Ah
Solar cells	Yes	Dimensions (LxWxH) approx.	194 x 254 x 334 mm
Replaceable battery type	Lithium battery 3V	Weight approx.	2.6 kg



Fabric face shield
Article no. 1662079

VARIOPROTECT XXL-W TC AIR TH3

Welding helmet with air filter system

- ▶ Air filter system supplies the welder with filtered, clean air and thus prevents the inhalation of dangerous and harmful particles and welding vapours
- ▶ High filter effect: 99.99% = 0.3µm
- ▶ Easy operation, even with welding gloves
- ▶ Integrated Li-ION battery for up to 8 hours running time
- ▶ 3 fan speeds selectable
- ▶ Even air distribution in the fresh air helmet

Best marks
1/1/1/1 in the
classification



VarioProtect XXL-W F-TC AIR
Without fresh air filter system
Art no. 1654056

Technical data	VarioProtect XXL-W TC AIR TH3	Power supply	Solar cells + replaceable battery
Art no.	1654055	Class	1/1/1/1*
Viewing window (W x H)	83.4 x 100 mm	Material	Nylon
Light-dark response time	0.08 ms	Air flow 3 stages	170 200 230 l/min
Dark-light brightening time	100 – 900 ms	Filter type	TH3 P R SL
Dark protection level	DIN 5-9 / 9-13	Filter battery life, 3 levels	8 h 6 h 4 h
UV/IR protection	Permanent DIN 15	Battery type	Rechargeable Li-ion battery (4400 mAh)
Light level	Protection level 4	Cassette dimensions (L x W x H) approx.	114 x 133 x 9.5 mm
Number of sensors	4 pcs.	Total weight approx.	2.4 kg
On/Off	Fully automatic		
Battery type	Lithium battery 3V		

Scope of delivery

- Air filter system
- Rechargeable Li-ion battery 12V 4400 mAh
- Battery charger 120
- Breathing tube / cover (1 m)
- Padded hip belt and double shoulder strap
- Black carrier bag

VARIOPROTECT GRIND

- ▶ Ideal for grinding applications, metalworking and woodworking
- ▶ Unrestricted and clear view
- ▶ Maximum wearing comfort thanks to optimum fit and easily adjustable headband
- ▶ Light weight

VarioProtect®



Technical data	VarioProtect GRIND/GRIND AIR
Art no.	1654200/ 1654206
Working temperature	-5 – +55 °C
Storage temperature	-10 – +55 °C
Lens power	1 mm
Standards	CE, ANSI, CSA, AS/NZS
Material	Nylon
Dimensions (L x W x H) approx.	350 x 250 x 190 mm
Weight approx.	385 g

VARIOPROTECT GRIND AIR

with connection for fresh air filter systems

- ▶ The perfect solution if you already have a welding helmet with extraction and need an additional grinding helmet with extraction

VarioProtect®



Headband with connection for Schweisskraft fresh air filter systems

- ▶ for Article No. 1654050
- ▶ for Article No. 1654206

VARIOPROTECT GRIND AIR TH3

Grinding helmet with fresh air filter system

- ▶ Ideal for grinding applications, metalworking, agriculture, landfill sites, wood processing, food industry
- ▶ Adjustable 3-stage airflow control
- ▶ Unrestricted and clear view
- ▶ Continuously filtered air
- ▶ Light weight
- ▶ Wearing comfort due to ergonomic fit

VarioProtect®



Technical data	VarioProtect GRIND AIR
Art no.	1654205
Working temperature	-5 – +55 °C
Storage temperature	-10 – +55 °C
Lens power	1 mm
Air flow Fan respiratory protection 3 levels	170 / 200 / 230 l/min
Hose length Fan respiratory protection	1000 mm
Filter battery life 3 levels	6 / 8 / 10 h
Fan breath protection battery charging time	3.5 h
Fan breath protection battery type	Li-on 12V 4400 mAh
Sound pressure level	<73
Filter efficiency	99.996 (0.3 µm) %
Filter type	TH3 P R SL
Material	Nylon
Total weight approx.	735 g
Explanation of weight	Helmet, filter, belt, battery

Scope of delivery

- TH3 air filter system
- Rechargeable Li-ion battery (4400 mAh)
- Battery charger
- Breathing tube and cover (1 m)
- Flow meter
- Padded hip belt and double shoulder strap
- Black carrier bag



LED LIGHT



The LED light can be effortlessly attached to all **labelled** welding helmets:

Technical data	LED light for welding helmet
Art no.	1662260
Luminous intensity	40 – 80 Lumen
Battery type	AA battery
Dimensions (L x W x H) approx.	122 x 56 x 44 mm
Weight approx.	70 g

- > VarioProtect M-W-2
- > VarioProtect XL-W TC
- > VarioProtect 3XL-W SW TC
- > VarioProtect 3XL-W DIGITAL TC
- > VarioProtect XXL-W-2 TC (all)
- > VarioProtect XXL-W F-TC

VISORS



No.	ACCESSORY	Art. no.
	Folding device	1662241
①	Visor DIN2	1662242
②	Visor DIN3	1662243
③	Visor DIN4	1662244
④	Folding visor DIN5	1662245
⑤	Folding visor DIN8	1662246
⑥	Protective film for viewing window	1662247

for Art. no. 1654200 / 1654206 / 1654205

USZ series - 4 in 1 all-steel screw clamp with toggle handle

- ▶ For clamping, tube tensioning, spreading and overlapping
- ▶ Tempered and torsion-resistant
- ▶ Surface-coated spindle with trapezoidal thread runs smoothly and does not tilt
- ▶ Best power transmission during clamping
- ▶ Quick changeover of the sliding arm for spreading applications Can be used on wood and steel



MSZ series - Magnetic screw clamp with quick-release spring and magnetic V-clamping attachment

- ▶ For steel workpieces
- ▶ Spring-loaded sliding arm for one-handed operation
- ▶ After positioning, the clamp holds magnetically to the workpiece
- ▶ Heat-treated and nickel-chromium-plated steel
- ▶ With threaded hole, can be extended with optional V-clamping attachment or bolt

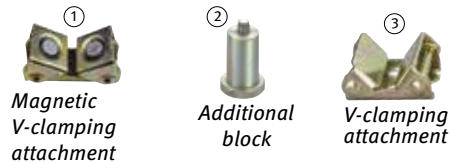


HZ series - Lever clamp with ratchet mechanism for efficient clamping

- ▶ Fixed bracket and pressure plate made from one piece, tempered and torsion-resistant
- ▶ With 38 mm wide, movable pressure plate
- ▶ Functional ratchet mechanism for vibration-proof clamping
- ▶ Quick changeover of the sliding arm for spreading applications
- ▶ Up to five times faster than conventional clamps thanks to the one-finger quick clamping and release lever

Model		USZ 216	USZ 318	USZ 419	HZ 178	HZ 254	MSZ 80	MSZ 90	MSZ 140
Art. no.		1790001	1790002	1790003	1790010	1790011	1790079	1790020	1790021
Clamping force max.	kg	550	1100	1100	460	460	100	140	230
Span	mm	216	318	419	178	254	75	90	140
Throat depth	mm	121	140	140	121	121	64	64	89
Thread	mm	M 10	M 10	M 10	M 10	M 10	M 6	M 6	M 8
Weight approx.	kg	1.9	3.5	4.0	1.2	1.3	0.4	0.4	0.5

Designation	Art. no.
① Magnetic V-clamping attachment	1790006
② Additional block for overriding (for MSZ 140)	
③ V-clamping attachment	1790005
Additional block for overlapping (suitable for RGZ 280, HZ 178 and HZ 254)	1790007



RGZ series - Pipe grip tongs especially for holding round bodies

- ▶ With two self-adjusting V-clamping attachments, therefore also suitable for fixing flat material to pipes
- ▶ Can be operated with one hand



MHA series - Magnetic holding stops for positioning small workpieces during tack welding

- ▶ For use on metal profiles such as round materials, flat steel or square tubes
- ▶ MHA 111 made of die-cast aluminium for more precise work
- ▶ Position adjustable holding stops and fix the workpiece vertically or horizontally



WGZ 76 - Angled gripping tongs - the helping hand for working with right-angled workpieces

- ▶ For holding, aligning and fixing workpieces of different thicknesses at a 90° angle
- ▶ Can be operated with one hand
- ▶ Applicable for wood and steel and synthetic materials



MVS set - Magnetic V-clamping attachments

- ▶ For holding, positioning and processing of steel workpieces
- ▶ For use on round, flat and square materials in the light load range
- ▶ 4 magnets per clamping attachment

Model		RGZ 150	RGZ 280	MHA 100	MHA 111	WGZ 76	MVS-SET
Art. no.		1790093	1790090	1790074	1790075	1790080	1790076
Span	mm	25 - 50	40 - 64	32	-	-	-
Clamping force max.	kg	-	-	75	-	-	-
Holding force	kg	-	-	-	8	8	8
Throat depth	mm	50	-	76	-	-	-
Length	mm	180	280	216	-	-	-
Thread	mm	-	M 10	-	-	-	-
Dimensions (L x W x H) approx.	mm	-	-	-	100 x 76 x 32	111 x 73 x 38	60 x 35 x 30
Weight approx.	kg	0.4	1.3	0.6	0.2	0.25	0.4

Designation	Art. no.
Additional block for overlapping (for RGZ 280)	1790007



MWS series - Metal angle clamps in 2-axis or 3-axis version

- ▶ For use in steel construction, welding and metalworking
- ▶ Sturdy jaws and base body made of grey cast iron
- ▶ For holding, aligning and fixing at an exact 90° angle
- ▶ Automatic adjustment of the pressure jaw to workpieces of different thicknesses thanks to the articulated spindle nut
- ▶ Push button for quick clamping of the workpiece

- ▶ Welding spatter cannot adhere to the copper-plated trapezoidal spindle with T-handle
- ▶ Lateral slotted holes

MWS-2 series

- ▶ For workpieces with two axes
- ▶ Due to the open design, fixing of T-joints and free access to the workpiece during welding and assembly work is possible

Series MWS-3

- ▶ For workpieces with three axes
- ▶ Quick removal of the workpiece by simply turning the second clamping arm away



Model		MWS-2 56	MWS-2 95	MWS-2 121	MWS-3 95	MWS-3 121
Art. no.		1790099	1790100	1790101	1790102	1790103
Span	mm	63.5	107	125	95	121
Jaws L x H	mm	80 x 33	122 x 35	135 x 64	122 x 35	100 x 64
T-distance	mm	47	64	103	62	100
Fastening groove L	mm	35.5	40	51	-	-
Fastening groove B	mm	11	11	11	-	-
Weight approx.	kg	2.75	4.5	10	11.1	19.6

MM series - compact mass magnets

- ▶ V-shaped support for a secure hold on round and flat material surfaces
- ▶ Cable rotation up to 360° possible

- ▶ Easy operation of the on/off switch, even when wearing gloves
- ▶ Metal chips fall off immediately after the solenoid is switched off

Model		MM 300	MM 500
Art. no.		1790072	1790073
Amperage	A	300	500
Duty cycle	%	60	60
Holding force	kg	20	50
Dimensions	mm	50 x 50 x 64	50 x 70 x 64
Weight approx.	kg	0.4	1.1



MS 215 - Multi-welding tong

- ▶ Side with slag hammer for removing slag and welding residues
- ▶ Flat hammer with scraper for quick

- removal of splashes
- ▶ Induction-hardened blades, chisel blades and scraper blades

Model	MS 215
Art. no.	1790095



WM 90 - Angle magnet

- ▶ For creating 90° angles on the outside to enable obstacle-free welding on the inside

- ▶ Outer magnetic edges can be used for 60° material inclinations
- ▶ Scope of delivery: 2 angle magnets each

SWM-2 and SWM series - switchable welding angle magnets for fixing sheet metal, round and square workpieces or pipes

- ▶ With high magnetic holding force for professional applications
- ▶ Magnet can be switched on and off via toggle switch
- ▶ Can simply be wiped clean when switched off

Series SWM-2

- ▶ For holding metal workpieces at a 45° or 90° angle

SWM series

- ▶ For holding metal workpieces at a 90° angle
- ▶ Pole shoes with prism, therefore suitable for flat and round material
- ▶ Professional design for the highest quality standards
- ▶ Two independently functioning on/off switches



SSWM 20



SWM-2 35



SWM-2 65

MSWM and SSWM series- Permanent welding angle magnets for 30°, 45°, 60° and 90° angle brackets

- ▶ For holding round and flat iron workpieces at an exact angle
- ▶ Practical helpers for welding and assembly

MSWM 10

- ▶ Particularly suitable for small workpieces
- ▶ Scope of delivery 2 mini welding magnets

SSWM 20

- ▶ Despite small design with 40 kg holding force

Series VSWM - adjustable welding angle magnet - for infinitely variable angle adjustment from 30° to 275°

- ▶ With high magnetic holding force for professional applications

- ▶ Pole shoes with prism, therefore suitable for flat and round material
- ▶ Conveniently adjustable to the desired angle and easy to fix with the practical lever

Model	Holding force ⁽²⁾	Angle	Dimensions approx.	Weight approx.	Art. no.
WM 90	14 kg	60°/90°	83 x 95 x 16 mm	0.2 kg	1790071
MSWM 10 ⁽¹⁾	10 kg	30°/60°/45°/90°	59 x 51 x 16 mm	0.3 kg	1790060
SSWM 20	40 kg	30°/60°/45°/90°	140 x 111 x 19 mm	0.5 kg	1790070
SWM-2 35	40 kg	45°/90°	111 x 95 x 29 mm	0.7 kg	1790030
SWM-2 65	75 kg	45°/90°	152 x 130 x 35 mm	1.4 kg	1790031
SWM 35	55 kg	90°	152 x 152 x 38 mm	1.2 kg	1790040
SWM 70	120 kg	90°	197 x 197 x 48 mm	2.7 kg	1790041
VSWM 41	50 kg	30°-275° stepped	197 x 197 x 95 mm	2.4 kg	1790050



(2) Specified holding force based on application with 10 mm steel plate (1) Two magnets included, price applies to scope of delivery

SWM-2 30 - Switchable welding angle magnet for fixing sheet metal, round and square workpieces or pipes

- ▶ High magnetic holding force for versatile applications
- ▶ Magnet can be switched on and off via toggle switch
- ▶ Easy to wipe off when switched off

Model	SWM-2 30
Art. no.	1790029
Holding force ⁽¹⁾	30 kg
Angle	45/90
Dimensions approx.	110 x 95 x 25 mm
Weight approx.	0.5 kg



VSWM 15 - Adjustable welding angle magnet - for stepless adjustment of the angle from 30° to 270°

- ▶ High magnetic holding force for versatile applications
- ▶ Ideal for round and square pipes, angles and flat material
- ▶ Fastening holes to connect two magnets together

Model	VSWM 15
Art. no.	1790051
Holding force ⁽¹⁾	15 kg
Angle	30– 270 stepless
Dimensions approx.	156 x 156 x 20 mm
Weight approx.	0.9 kg



WM 125 - Two internal and external angle magnets for 90° and 270° angles

- ▶ High magnetic holding force for versatile applications
- ▶ Ideal for round and square pipes, angles and flat material
- ▶ Fastening holes to connect two magnets together

Model	WM 125
Art. no.	1790042
Holding force ⁽¹⁾	9 / 15 kg
Angle	90° / 270
Dimensions approx.	75.5 x 52 x 14 mm
Weight approx.	0.5 kg



BHW 100 - TIG torch holder

- ▶ The welding torch can be placed wherever it is needed
- ▶ Adjustable cable holder
- ▶ The fully enclosed magnetic base plate makes it easier to clean metal residues

Model	BHW 100
Art. no.	1790078
Dimensions approx.	Ø89 x 160 mm
Weight approx.	0.85 kg



SWL 3 - Three-axis spirit level

- ▶ Precise, CNC-machined spirit level
- ▶ 3 built-in jumbo spirit levels and 1 clip-on spirit level
- ▶ The large clip-on spirit level can be rotated to facilitate viewing from different angles
- ▶ Large, machined guide edge for easy alignment of large parts

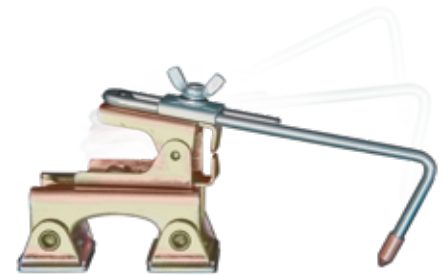
Model	SWL 3
Art. no.	1790097
Dimensions approx.	152 x 45 x 55 mm
Weight approx.	0.5



MHS 203 - Material retaining stop

- ▶ For holding, positioning and processing of steel workpieces
- ▶ Retaining finger with brass tip 360° and adjustable in length
- ▶ Particularly suitable for bolts, nuts or thin sheets for tack welds at uneven angles
- ▶ For use on round, flat and square materials in the light load range

Model	MHS 203
Art. no.	1790077
Holding force ⁽¹⁾	15 kg
Dimensions approx.	178 x 102 x 102 mm
Weight approx.	0.55 kg



UGZ 40 series - Universal gripping tongs

- ▶ Crank handle for quick opening, closing and adjustment
- ▶ With quick-release lever
- ▶ Serrated tong jaws for additional grip
- ▶ With hammer head and longitudinal groove in the upper jaw
- ▶ Brazed components with high durability

Model	UGZ 40
Art. no.	1790091
Opening area	40 mm
Tool length	300 mm
Weight approx.	0.6 kg



UGZ 75 series - Universal gripping tongs

- ▶ Crank handle for quick opening, closing and adjustment
- ▶ With quick-release lever
- ▶ Serrated tong jaws for additional grip
- ▶ Large tong projection (64 mm)
- ▶ V-shaped notch in the upper jaw for clamping small parts

Model	UGZ 75
Art. no.	1790092
Spindle - column distance	64 mm
Opening area	6 ~ 75 mm
Tool length	250 mm
Weight approx.	0.7 kg



SPV series

Manually operated welding positioning device

- ▶ For fast and convenient welding processing from all sides
- ▶ Turntable can be positioned vertically and horizontally
- ▶ Manual adjustment of the working height
- ▶ Easy to use



SPV 30



SPV 300



SPV 300 HWM

Technical data		SPV 30	SPV 300	SPV 300 HWM
Art no.		1540030	1540300	1540305
Table tilt angle	°	360	360	22.5 / 45 / 90
Horizontal / vertical load capacity	kg	360 / 260	300 / 150	300 / 150
Turntable diameter	mm	260	300 x 300	300 x 300
Dimensions (L x W x H) approx.	mm	630 x 350 x 280	1427 x 1200 x 1018	600 x 600 x 710
Weight approx.	kg	28	135	86

RBD series

Roller block turning devices

- ▶ Precise and high-quality weld seams possible thanks to infinitely adjustable workpiece speed
- ▶ For machining cylindrical workpieces
- ▶ Foot switch for start/stop
- ▶ Adjustable direction of rotation



RBD 2200

Technical data		RBD 1200	RBD 2200	RBD 5000
Art no.		1542120	1542220	1542500
Load capacity	kg	1200	2200	5000
Workpiece diameter	mm	20 – 800	101 – 1524	304 – 1234
Speed	min ⁻¹	0 – 1413	0 – 3641	0 – 1475
Drive unit (L x W x H)	mm	552 x 324 x 336	940 x 407 x 336	1624 x 525 x 457
Guide unit (L x W x H)	mm	450 x 229 x 336	940 x 294 x 336	1,418 x 410 x 457
Switch box (L x W x H)	mm	170 x 120 x 250	170 x 120 x 250	170 x 120 x 250
Connection voltage ~ 50 Hz		230	230	230
Weight approx.	kg	86	220	325

SDT WE series Welding turntables

- ▶ Simple operation
- ▶ Simple angle adjustment via rotary knob
- ▶ Infinitely adjustable disc speed
- ▶ Clockwise/anticlockwise rotation
- ▶ Control electronics protected by robust and closed housing
- ▶ Foot switch for start/stop

From SDT 500WE:

- ▶ Electric angle adjustment via rotary knob

SDT 500 HC WE:

- ▶ With hollow shaft \varnothing 170 mm



SDT 350 WM



SDT 500 HC WE



SDT 2500 WE

Accessories

	Art. no.
Three-jaw chuck Load capacity 30 kg	1541351
Three-jaw chuck Load capacity 120 kg	1541352
Three-jaw chuck Load capacity 240 kg	1541353
Replacement clamping jaws for three-jaw chuck SDT 350 WM/ SD 500 WE	1541360
Replacement clamping jaws for three-jaw chuck SDT 500 WE	1541361
Replacement clamping jaws for three-jaw chuck SDT350 WM	1541362

Technical data		SDT 220 WM	SDT 350 WM	SDT 500 WE	SDT 500 HC WE	SDT 1500 WE	SDT 2500 WE	SDT 4000 WE
Art no.		1541220	1541350	1541500	1541505	1541915	1541925	1541940
Table tilt angle	$^{\circ}$	0 – 135	0 – 135	-45 – 90	0 – 135	0 – 135	0 – 135	0 – 135
Infinitely variable speed	min^{-1}	0 – 5	0 – 5	0 – 5	0 – 5	0.1 – 1.2	0.1 – 1.2	0.1 – 1.2
Horizontal/vertical load capacity	kg	220 / 100	350 / 120	500 / 250	500 / 250	1,500 / 1,000	2,500 / 2,000	4,000 / 2,700
Turntable diameter	mm	330	330	550	560	1000	1100	1200
Permissible welding current	A	80	300	300	120	800	800	800
Input power ~ 50 Hz	kW / V	0.15 / 230	0.125 / 230	0.400 / 230	0.8 / 230	0.75 / 400	1.5 / 400	1.5 / 400
Dimensions (L x W x H) approx.	mm	470 x 400 x 450	410 x 470 x 475	770 x 650 x 660	790 x 690 x 660	1576 x 1190 x 990	1735 x 1276 x 1050	1805 x 1310 x 1150
Weight approx.	kg	34	38	220	230	1170	1550	1790

MWT 16

Mobile welding lift table - Ergonomic working thanks to optimum working height

New

- ▶ Solid all-steel construction with hydraulic scissor lift frame
- ▶ Table top made from heavy-duty S355 sheet steel
- ▶ Plasma-nitrided surface for increased hardness, rust and spray resistance
- ▶ CNC-milled for maximum flatness
- ▶ Manual lifting mechanism for precise height adjustment
- ▶ Safety locking pin with four positions
- ▶ All-round side bolsters for secure vertical clamping
- ▶ Ø16 mm hole pattern for holding System 16 clamping tools
- ▶ Detachable push handle for easy manoeuvrability
- ▶ Sturdy swivel castors with parking brake for safe mobility
- ▶ Including galvanised steel drip tray



Model		MWT 16
Art no.		1551161208N
Load capacity approx.	kg	750
Table top (L x W)	mm	1200 x 800
Material		S355 sheet steel
Side panel height	mm	50
Bore diameter	mm	16
Dimensions (L x W) approx.	mm	1200 x 800
Table height min. / max.	mm	445 / 987
Weight approx.	kg	250

Accessory set	Art. no.
MWT 16 40-piece	1561100

- comprises:
- 4 screw clamps
 - 4 mounting magnets
 - 4 variable stops
 - 8 Prisma pipe supports
 - 8 magnetic supports
 - 4 round stop bolts
 - 4 stop bolts with external thread and lift-off protection
 - 4 Spacers

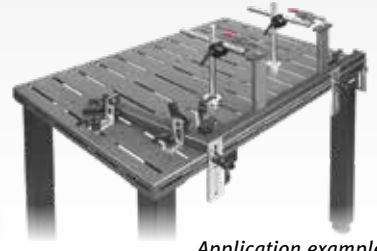
MAT 300 S - Flexible assembly and welding table for workshop and assembly that can be operated without tools

Made in Germany

- ▶ Fixing, clamping, welding, assembly: Can be used universally thanks to the extensive range of accessories
- ▶ Sturdy table with 6 cm height-adjustable feet
- ▶ Table top is also available separately and can also be used on existing base elements



MAT 300 S incl. table base



Application example

Technical data		MAT 300 S
Art no.		1520000
Load capacity	kg	300
Dimensions (L x W x H) approx.	mm	1,200 x 800 x 850
Weight approx.	kg	76

Starter set - Clamping system for assembly and work table for all standard aluminium profiles and groove widths

- ▶ Push-turn-fix, it couldn't be easier or quicker
- ▶ The quick-release clamps can be used almost universally and are supplied to fit the profiles of all well-known manufacturers with groove widths of 8 and 10 mm
- ▶ Push-turn-fix, it couldn't be easier or quicker
- ▶ The quick-release clamps can be used almost universally and are supplied to fit the profiles of all well-known manufacturers with groove widths of 8 and 10 mm



Accessories for MAT 300 S	Art. no.
Starter set clamping system	1528100



Accessories for MAT 300 S	Art. no.
Table top	1520001
Made of metal; dimensions (L x W x H)	1200 x 800 x 50 mm
Weight approx.	47 kg

MAT - Assembly and welding tables with Ø 28 mm hole pattern

Made in Germany

- ▶ For ergonomic and mobile working
- ▶ Optimum working conditions with proven technology made in Germany
- ▶ Compatible with standard stop elements and the new, patented Vario clamping bolt
- ▶ Expandable work surface thanks to stop rails
- ▶ **MAT 300 SH:** Very stable and manoeuvrable frame



MAT 500 S



MAT 300 SH

Technical data		MAT 500 S	MAT 300 SH
Art no.		1520003	1520002
Worktop	mm	1200 x 800	1200 x 800
Resilience	kg	500	300
Working height	mm	875 - 940	460 - 1,060
Height adjustment		Height-adjustable articulated foot	High-quality hydraulic pump
Functional plate Ø 28mm		Yes	Yes
Worktop		4 mm steel, phosphatised	
Dimensions (L x W x H) approx.	mm	1,200 x 800 x 875	1200 x 800 x 460-1060
Weight approx.	kg	77	106

Starter set Vario clamping bolt Ø 28 mm

- ▶ Organiser panel with mounting pins
- ▶ Horizontal clamp with clamping bolt
- ▶ Vertical clamp with clamping bolt
- ▶ 4 Vario clamping bolts each with Allen and clamping lever fixation



Vario clamping bolt set Ø 28 mm

- ▶ 4 Vario clamping bolts each with Allen and clamping lever fixation
- ▶ Universal for all tables with 28 mm bore



Figure shows accessories

Accessories for MAT 500 S & MAT 300 SH	Art. no.
Starter set Vario Ø 28 mm	1528191

Accessories for MAT 500 S & MAT 300 SH	Art. no.
Starter set Vario clamping bolt Ø 28 mm	1528193

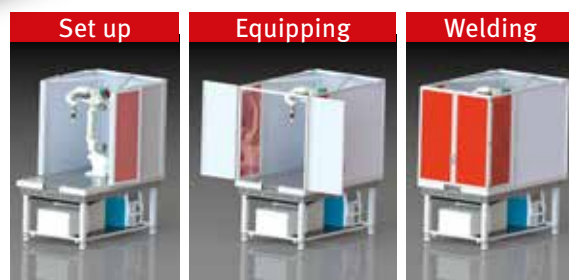
EASY-ARC

The welding robot that supports production

- ▶ **Mobile compact design:**
Space-saving, flexible and inexpensive to purchase
- ▶ **Extremely simple operation thanks to OTC Easy Teach control:**
Minimal time required to create the welding programme, even without extensive training
- ▶ **Stable and precise welding robot:**
Reduced physical strain on employees and optimised, consistent welding quality
- ▶ **Security technology:**
Protection against access and glare through electrically monitored lightweight protective housing



**SHORTAGE OF SKILLED LABOUR?
OPTIMISED PRODUCTION!
PRODUCTION COSTS UNDER PRESSURE?
THE EASY-ARC WELDING ROBOT IS THE ANSWER!**



ASK ABOUT OUR MIG/MAG, LASER /AND TIG ROBOT PACKAGES FROM VARIOUS MANUFACTURERS. WE OFFER TURNKEY AND COST-EFFECTIVE SOLUTIONS TO SUIT YOUR APPLICATION.



WE WOULD ALSO BE HAPPY TO DEMONSTRATE THE ROBOT TO YOU ON SITE!

Come and see our capabilities for yourself, and ask us to demonstrate our welding robots!

INDUCTION Safe heating

Functionality and benefits of the induction principle for the bodywork and commercial vehicle sector

How it works:

The induction heater and its accessories ensure that heat is only applied where it is actually needed, without contact. Since electromagnetic induction only occurs with conductive materials, non-conductive materials (such as glass, rubber, plastic, painted surfaces, etc.) are spared from heating and the resulting damage; an open flame is no longer necessary and the associated fire hazard is virtually eliminated.

Area of application and benefits:

- ▶ For quick and easy removal of parts on vehicles by applying heat, e.g.: Glass panes, panelling, stickers, films or similar
- ▶ Targeted and precisely dosed heat application within seconds thanks to state-of-the-art microprocessor technology
- ▶ Complete protection of surrounding areas and prevention of damage to painted surfaces, glass, rubber, plastic, etc.



Mechanics and maintenance

- › Loosening or disassembly:
 - › (steering push rods, tie rod end parts, brake discs, brake hoses, exhaust flanges, exhaust pipes, damper nuts, secured screws)
- › Heating of longitudinal beams (except HSS steel)
- › Loosening bolts



Car body

- › Removal of steel or aluminium elements
- › Straightening warped chassis (except HSS steel)



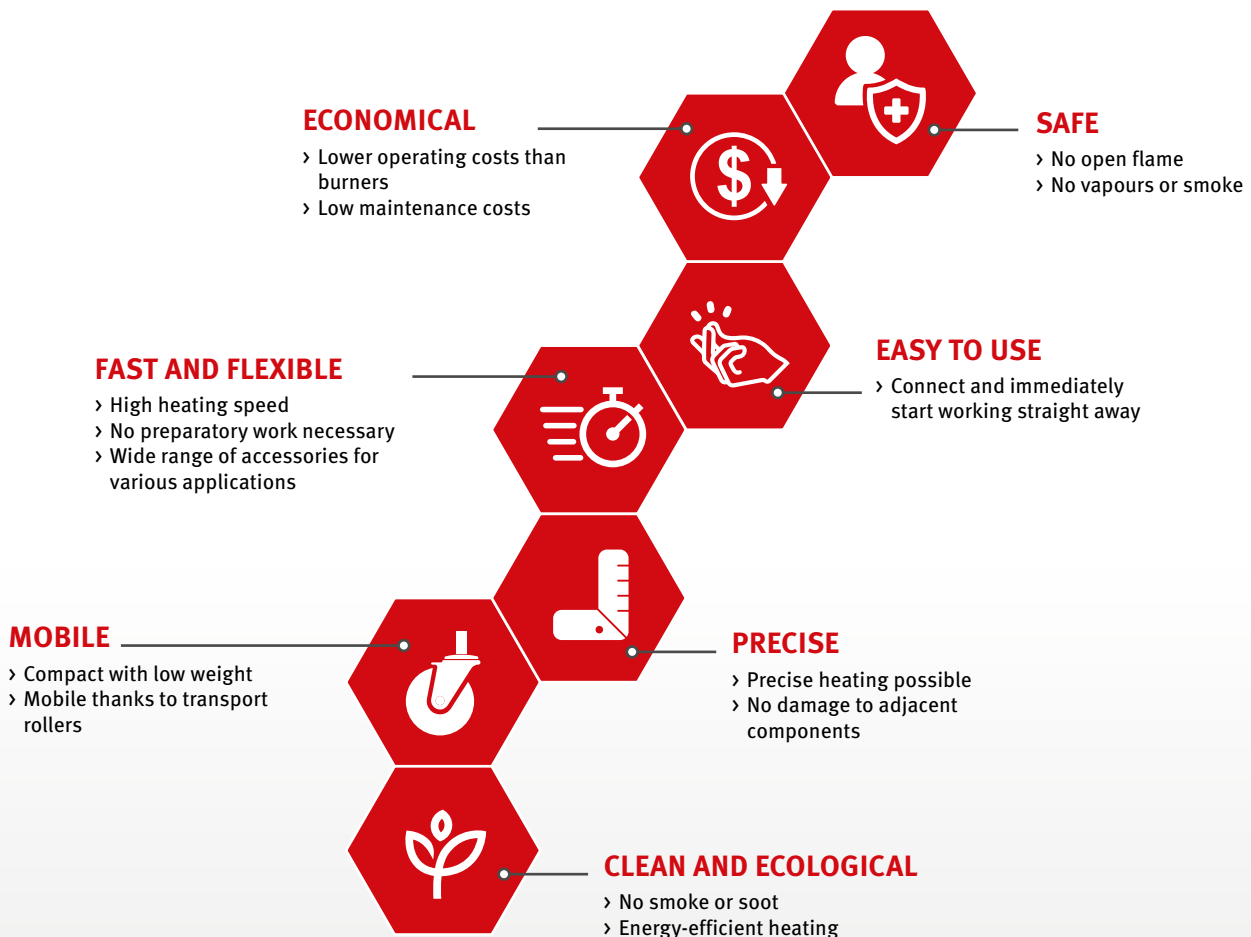
Soft and hard soldering

- › in the manufacture of air conditioning systems, etc.
- › Hard soldering of copper pipes *with silver*, *soft soldering with tin*



Heating in manufacturing and industry

- › Heating and warming before welding
- › Heating metal parts
- › Heating for bending work
- › Point heating
- › Straightening
- › Forging
- › *Preheating*



IHG 1500

Induction heating device Extremely versatile in the bodywork and commercial vehicle sector

- ▶ Due to its extremely small design and its low weight, the IHG 1500 can be used almost anywhere and at any location using a carrying strap or shoulder strap.
- ▶ Handle for the highest ergonomic demands and outstanding ease of use
- ▶ Ergonomic handle for comfortable handling
- ▶ Removal of minor panelling, stickers, films and similar items, e.g. on bodywork and commercial vehicle parts

Control concept

- ▶ Targeted and precisely dosed heat application within seconds thanks to state-of-the-art microprocessor technology
- ▶ Heating the parts to over 800°C
- ▶ Quick and easy to use
- ▶ High efficiency
- ▶ Prevention of overheating thanks to two fans
- ▶ High operational reliability thanks to self-monitoring with visual status signal



4.5 KG ONLY



Technical data		IHG 1500
Art no.		1750000
Protection class		IP 21 S
Nut size		M 6 – M 22
Cable length	mm	700
Output power ~50 Hz	kVA	1.5 / 230
Output frequency	kHz	25 – 45
Dimensions (L x W x H) approx.	mm	200 x 75 x 140
Weight approx.	kg	4.5

Scope of delivery

- Coil holder
- Front coil M 8
- Front coil M12
- Winding cord
- Flat spiral coil
- Carrying strap
- Plastic case

Accessories	Art. no.
Front coil (L = 220 mm)	
- Ø 15 mm / M6	1760015
- Ø 19 mm / M8	1760019
- Ø 20 mm / M8	1760020
- Ø 23 mm / M10	1760023
- Ø 26 mm / M12	1760026
- Ø 32 mm / M16	1760032
- Ø 38 mm / M20	1760038
- Ø 45 mm / M22	1760045
Side coil (L = 220 mm)	
- Ø 15 mm / M6	1760115
- Ø 19 mm / M8	1760119
- Ø 20 mm / M8	1760120
- Ø 23 mm / M10	1760123
- Ø 26 mm / M12	1760126
- Ø 32 mm / M16	1760132
- Ø 38 mm / M20	1760138
- Ø 45 mm / M22	1760145
Customised heating coil (L=750mm, Ø=4mm)	1760201
Winding cord (flexible heating coil) (L = 800 mm)	1760202
Flat spiral coil (PAD coil)	1760203
Customised heating coil (L=750mm, Ø=4mm)	1760204
Flexible ceramic heating coil L = 800 mm	1760205

IHG 3700

Induction heater for heating and loosening stuck and rusted parts

- ▶ Modern, liquid-cooled devices designed primarily for straightening after welding
- ▶ Lightweight handpiece for comfortable working during prolonged use
- ▶ Extremely high stress factor for long straightening work
- ▶ Targeted, safe and rapid heating of deformed areas without the use of open flames or mechanical force
- ▶ Stepless power control
- ▶ Alignment of welded frames and structural components
- ▶ Removal of deformations on covers, panels and plates
- ▶ Correction of bent profiles after welding
- ▶ Precise alignment of assembly parts
- ▶ Ideal for welding workshops and metalworking companies

- ▶ Easy handling with high repeatability
- ▶ Quick loosening of screws and nuts
- ▶ Heating parts for pressing, bending or gluing



Convince yourself of our efficiency and ask for an individual consultation!



Scope of delivery

- Lateral focus coil

Technical data		IHG 3700
Art no.		1750005
Output frequency	kW	18 – 60
Protection class	kHz	IP 22
Connection cable length	m	3
Power consumption ~50 Hz	kW/V	3.7 / 230
Dimensions (L x W x H) approx.	mm	440 x 240 x 200
Weight approx.	kg	13.5

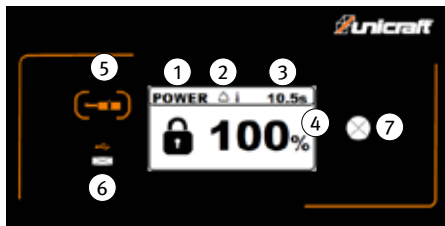
Accessories	Article no.
Handle extension	1760200
Customised heating coil (L=750mm, Ø=4mm)	1760201
Lateral focus coil (1)	1760202
Straight focus coil	1760203
Adapter for water-cooled coils	1760204
Water-cooled coil Ø20 mm	1760205
Water-cooled coil Ø25 mm	1760306
Coolant 3l canister	1760207
Remote control/foot pedal	1760208

(1) included in the scope of delivery

IHG series

Powerful, mobile induction heaters with chassis

- ▶ Modern, liquid-cooled devices designed primarily for straightening after welding
- ▶ Lightweight handpiece for comfortable working during prolonged use
- ▶ Equipped with a high-performance cooling system that enables continuous operation of the device
- ▶ Liquid-cooled inductors for long-lasting and stable performance
- ▶ Extremely high stress factor for long straightening work
- ▶ Targeted, safe and rapid heating of deformed areas without the use of open flames or mechanical force
- ▶ Alignment of welded frames and structural components
- ▶ Stepless power control
- ▶ Removal of deformations on covers, panels and plates
- ▶ Correction of bent profiles after welding
- ▶ Precise alignment of assembly parts
- ▶ Ideal for welding workshops and metalworking companies



- 1) The parameter/screen name
- 2) Timer display
- 3) Timer value
- 4) Parameter
- 5) Button for activating the heating function/for changing the inductor
- 6) USB connection
- 7) Encoder



IHG 10000



IHG 19000

Scope of delivery IHG 10000

- Handle for coil with 4 m cable
- Round focus coil, 32 mm
- Cooling circuit filling 10 litres

Scope of delivery IHG 19000

- Rectangular focus coil

Technical data		IHG 10000	IHG 19000
Art no.		1751000	1751005
Output frequency	kHz	18 – 35	18 – 35
Protection class		IP 21	IP 21
Coolant volume	l	10	15
Input power ~ 50 Hz	kW/V	10 / 400	19 / 400
Dimensions (L x W x H) approx.	mm	400 x 760 x 700	850 x 540 x 960
Weight approx.	kg	58	96

Accessories IHG 10000	Art. no.
Ring coil	
- Ø22 mm with one winding	1761050
- Ø22 mm with two windings	1761070
- Ø28 mm with one winding	1761051
- Ø34 mm with one winding	1761052
- Ø40 mm with one winding	1761053
- Ø47 mm with one winding	1761054
- Ø57 mm with one winding	1761055
Round focus coil, 32 mm	1761010
Round frontal focus coil, 32 mm	1761015
U-profile coil, 14 mm	1761080
Replacement ferrite core	1761085
Coolant 10 litre canister	1761090
Remote control/foot pedal	1761101
Accessories IHG 19000	Art. no.
Rectangular focus coil	1761110
Round focus coil	1761111
Coolant 10 litre canister	1761090

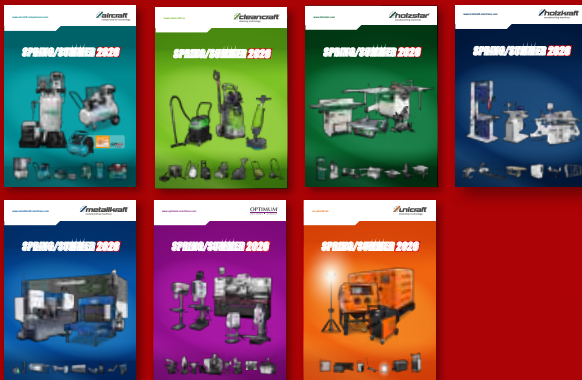


QUALITY WORK NEEDS QUALITY MACHINES



Syn-Mig 201-2 P Synergic
MIG/MAG welding machine
Art. no.: 1071202

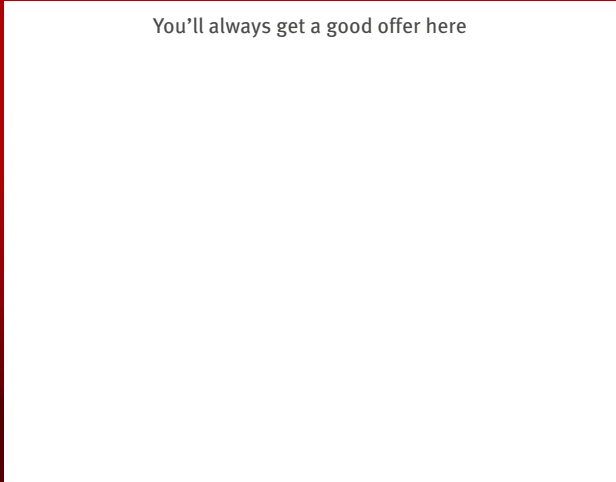
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