

WIDE-BELT SANDERS



MAIN CATALOGUE 2025/26

OFFER FOR OUR CUSTOMERS WHO ARE ENTREPRENEURS AND NOT CONSUMERS

Wide-belt sanding

CASADEI LIBRA 10/95 TC

Compact wide belt sanding machine with combination sanding unit

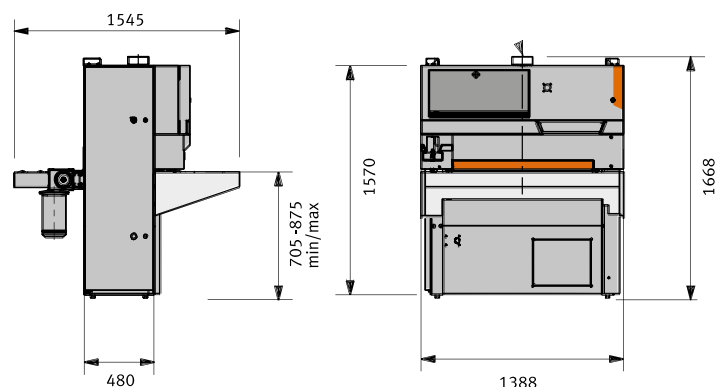
- ▶ Combination sanding unit with sanding pad for fine sanding
- ▶ With inclined grooved steel roller Ø 120 mm for calibration as standard
- ▶ Fine adjustment of the working height
- ▶ Clear control panel on the front
- ▶ Robust tube-stiffened monobloc steel machine body, robot-welded, working units mounted high up for maximum rigidity
- ▶ Motorised height adjustment of the work table with digital display
- ▶ Electronically controlled sanding belt oscillation
- ▶ Carpet feed via geared motor with two speeds
- ▶ Natural rubber feed carpet with negative profile
- ▶ Flexible steel pressure rail in front of the first unit
- ▶ Rubber pressure rollers, in front of or behind each working unit
- ▶ Pneumatic belt tensioning with decimal correction option for grain size/belt thickness
- ▶ Can be used universally for solid wood and veneer thanks to the combination unit
- ▶ Entry-level model for smaller companies
- ▶ Working width 950 mm



Combined unit for calibrating and fine sanding

- ▶ Slanted ribbed steel roller Ø 120 mm with fine height adjustment
- ▶ Hard sanding pad with graphite coating
- ▶ Universal version for calibrating and sanding solid wood, chipboard and veneer

Model	LIBRA 10/95 TC
Article no.	5222100
Technical data	
Sanding width	950 mm
Working height min./max.	4 / 170 mm
Sanding belt width	970 mm
Sanding belt length	1,525 mm
2 feed speeds	4.5 - 9 m/min
Feed motor	0.33 / 0.55 kW
Table adjustment motor power	0.25 kW
Motor power	7.5 kW



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Automatic table positioning

- ▶ Automatic adjustment of the work table height via microswitch without correcting the material removal
- ▶ Optionally available for Libra 10

Options	Article no.
Automatic table positioning with button	5259074
Switching the sanding pad on and off from the control panel	5256060
Switching the roller on and off from the control panel	5256062
Electronic programming unit "FOX 500 KTR" (requires 5256060, 5256062, 5256073)	5256063
Automatic carpet centring	5256067
Table extension at the front and rear with 2 infeed and outfeed rolls	5256068
Semi-hard flat grinding shoe	5256073
Amplified motor 11 kW	5256064
Oscillating blowing device	5256069

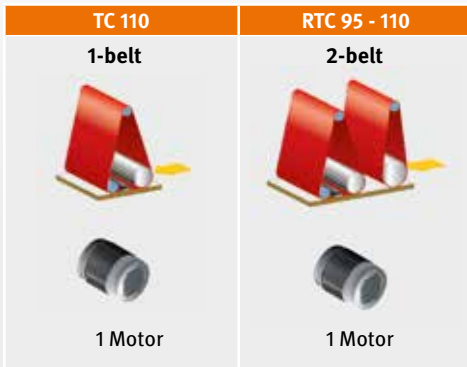
Further options are available on request!

Wide-belt sanding

CASADEI LIBRA 35

Wide-belt sander in single or double belt design up to 1100 mm with many equipment options

- ▶ The LIBRA 35 calibration and fine sanding machine is an extremely versatile machine with a wide range of uses
- ▶ Robust, tube-stiffened monobloc steel machine body with working units mounted high up for maximum rigidity
- ▶ User-friendly thanks to clear control panel on the front
- ▶ Motorised table height adjustment
- ▶ Digital display for the working height
- ▶ Electronically controlled sanding belt oscillation with reduced compressed air requirement
- ▶ Automatic star-delta starting for main motor
- ▶ Natural rubber feed carpet with negative profile
- ▶ Support table with two rollers at the inlet and outlet of the feed carpet
- ▶ Carpet feed via geared motor with two speeds
- ▶ Flexible steel pressure rail in front of the first unit
- ▶ Rubber pressure rollers, in front of and behind each working unit
- ▶ Pneumatic belt tensioning per unit with decimal correction option for grain size/belt thickness



Execution TC

- ▶ Combination unit with finely adjustable working height for calibrating and fine sanding
- ▶ With slanted ribbed steel roller Ø 120 mm and hard sanding pad with graphite coating on replaceable insert
- ▶ Fine adjustment of the working height

Execution RTC

- ▶ 1. Unit with slanted steel roller Ø 120 mm and fine adjustment for calibration
- ▶ 2. Unit, combination unit with finely adjustable working height for calibrating and fine sanding with rubber-coated roller Ø 120 mm (45 Sh) and hard sanding shoe with graphite coating on replaceable insert

Model	H (in mm)	L1 (in mm)	L2 (in mm)	L3 (in mm)
LIBRA 35/2 RTC 95	1960	735	1820	1500
LIBRA 35/1 TC 110	1960	735	1820	1650
LIBRA 35/2 RTC 110	1960	735	1820	1650

Model	LIBRA 35/1 TC 110
Article no.	5222350

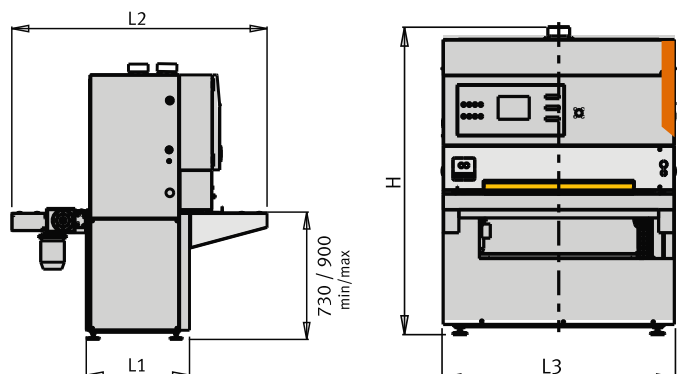
Model	LIBRA 35/2 RTC 95
Article no.	5222351

Model	LIBRA 35/2 RTC 110
Article no.	5222352

Model	LIBRA 35/2 RTC 110 Warehouse equipment
Article no.	5222353

Technical data	
Sanding width	950 / 1100 mm
Working height min./max.	4 / 170 mm
Sanding belt width	970/1,115 mm
Sanding belt length	1900 mm
2 feed speeds	4.5 - 9 m/min
Feed motor	0.33 / 0.55 kW
Table adjustment motor power	0.25 kW
Motor power version with 1 or 2 working units	11 kW

Scope of delivery LIBRA 35/2 RTC 110 Warehouse equipment:
 such as 5222352 LIBRA 35/2 RTC 110 plus version "Y" (Art. No.: 5257408) plus amplified motor 15 kW (Art. No.: 5257419) plus automatic carpet centring (Art. No.: 5257405)



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with optional electronic SmartControl S control unit

Options	Article no.
Automatic carpet centring	5257405
Version "Y" for RTC 95 - RTC 110	
<i>Pneumatic on/off for the roller on the first unit 'R', pneumatic on/off for the roller on the second combination unit 'TC', elastic articulated shoe, FOX 500 KTR electronic control, semi-hard flat grinding shoe, electronic adjustment of working thickness</i>	5257408
Amplified motor 15 kW	5257419
Automatic table positioning with button	5257404
Automatic carpet centring	5257405
Oscillating blow-off device for 1. Unit	5257423
Oscillating blow-off device for 2. Unit	5257424
Stepless carpet feed with inverter 0.75kW	5257425





Further options are available on request!

Wide-belt sanding

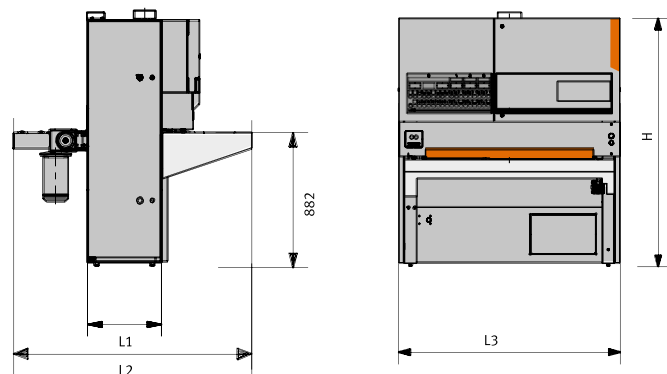
CASADEI LIBRA 45/2 – dual-belt design

CASADEI LIBRA 45/3 – three-belt design

- ▶ The LIBRA 45 features extensive standard equipment, a robust design – both in terms of the base frame and the working units – grinding shoes with a larger contact surface and modern control systems.
- ▶ Motorised table height adjustment
- ▶ Digital display for the working height
- ▶ Electronically controlled sanding belt oscillation with reduced compressed air requirement
- ▶ Automatic star-delta start-up
- ▶ Natural rubber feed carpet with negative profile
- ▶ Intermediate lacquer sanding possible
- ▶ Automatic carpet centring
- ▶ Support table with rollers at the infeed and outlet of the feed carpet
- ▶ Large sanding roller Ø 140 mm
- ▶ Carpet feed via geared motor with two speeds
- ▶ Flexible steel pressure rail in front of the first unit
- ▶ Rubber pressure rollers, in front of and behind each working unit
- ▶ Pneumatic belt tensioning per unit with decimal correction option for grain size/belt thickness
- ▶ Optional RTC 110 version with planing shaft unit Ø 140 mm instead of the first sanding unit (with 312 indexable inserts with four cutting edges each, link pressure element, kickback protection and pneumatic cylinder)

RR	RTC	RRR	RRTC
			
<p>Execution RR</p> <ul style="list-style-type: none"> • 1. Unit with slanted ribbed steel roller Ø 140 mm and fine adjustment, 2. Unit with rubber-coated roller Ø 250 mm (45 Sh) and fine adjustment • Optionally with planing shaft unit instead of the first sanding unit 	<p>Execution RTC</p> <ul style="list-style-type: none"> • 1. Unit with slanted ribbed steel roller Ø 140 mm and fine adjustment, 2. Unit: Combination unit with finely adjustable working height for calibrating and sanding with rubber-coated roller Ø 140 mm (45 Sh) and hard sanding shoe with graphite coating on replaceable insert • Pneumatic switching on/off of the sanding pad from the control panel • Optionally available with planing shaft unit instead of the 1st. Sanding unit (only for 110) 	<p>Execution RRR</p> <ul style="list-style-type: none"> • 1. Unit with slanted ribbed steel roller Ø 140 mm and fine adjustment, 2. Unit with rubber-coated roller Ø 160 mm (65 Sh) and fine adjustment • 3. Unit with rubber-coated roller Ø 250 mm (45 Sh) and fine adjustment • Optionally with planing shaft unit instead of the first sanding unit 	<p>Execution RRTC</p> <ul style="list-style-type: none"> • 1. Unit with slanted ribbed steel roller Ø 140 mm and fine adjustment, 2. Unit with rubber-coated roller Ø 140 mm (65 Sh) and fine adjustment • 3. Unit: Combination unit with finely adjustable working height for calibrating and sanding with rubber-coated roller Ø 140 mm (45 Sh) • Pneumatic switching on/off of the sanding pad from the control panel • Optionally with planing shaft unit instead of the first sanding unit

Technical data	LIBRA 45
Sanding width	1,100 / 1350 mm
Working height min./max.	4 / 170 mm
Sanding belt width	1,115/1,370 mm
Sanding belt length	2150 mm
2 feed speeds	4.5 - 9 m/min
Feed motor	0.45 / 0.8 kW
Table adjustment motor power	0.25 kW
Motor power	7.5 kW
Motor power	11 kW
Version with 2 working units	11 kW
Motor power (S6-40%)	11 kW
Version with 3 working units	11 kW



Model	Article no.	H mm	L1 mm	L2 mm	L3 mm	Model	Article no.	H mm	L1 mm	L2 mm	L3 mm
LIBRA 45/2 RR 110	5222451	2070	1420	2000	1550	LIBRA 45/3 RRR 110	5222455	2070	1420	2000	1800
LIBRA 45/2 RR 135	5222452	2070	1660	2280	1550	LIBRA 45/3 RRR 135	5222456	2070	1420	2000	1800
LIBRA 45/2 RTC 110	5222453	2070	1660	2280	1550	LIBRA 45/3 RRTC 110	5222457	2070	1660	2280	1800
LIBRA 45/2 RTC 135	5222454	2070	1420	2000	1800	LIBRA 45/3 RRTC 135	5222458	2070	1660	2280	1800

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Options are available on request!

MADE IN ITALY



with optional electronic SmartControl S control unit

**NUMBER OF
MOTORS**

**NUMBER OF
SANDING UNITS**

Execution RR	Execution RTC	Execution RRR	Execution RRTC
2-belt	2-belt	3-belt	
			Optional planer shaft

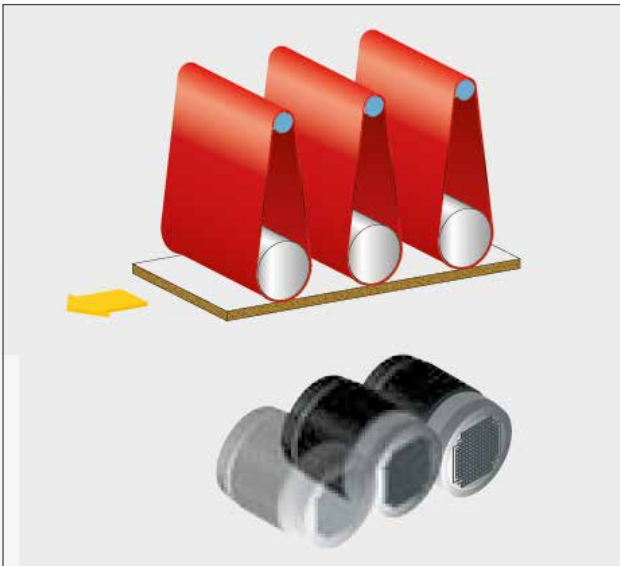
Wide-belt sanding

CASADEI LIBRA 65

Wide-belt sanding machine as two or three-belt version up to 1350 mm sanding width, optionally with cross sanding unit

- ▶ High-quality results when processing solid wood, veneer or raw material as well as for intermediate lacquer sanding
- ▶ Heavy duty design of entire machine
- ▶ Control panel with dustproof membrane keypads on the front of the machine
- ▶ Optimum cooling and long service life of the sanding belts (sanding belt length 2620 mm)
- ▶ Automatic star-delta start-up
- ▶ Motorised table height adjustment
- ▶ Digital display for the working height
- ▶ Electronically controlled sanding belt oscillation with reduced compressed air requirement
- ▶ Natural rubber feed carpet with negative profile
- ▶ Automatic carpet centring
- ▶ Support table with two rollers at the inlet and outlet of the feed carpet
- ▶ Rubber pressure rollers, in front of and behind each working unit
- ▶ Flexible steel pressure rail in front of the first unit
- ▶ Carpet feed via geared motor with two speeds
- ▶ Pneumatic belt tensioning per unit with decimal correction option for grain size/belt thickness
- ▶ Function check on the control panel for circuit breakers, thermal circuit breakers, operating pressure and brakes
- ▶ Optional RTC/RRTC version with planing shaft unit instead of the first sanding unit (with 520 indexable inserts, each with four cutting edges)

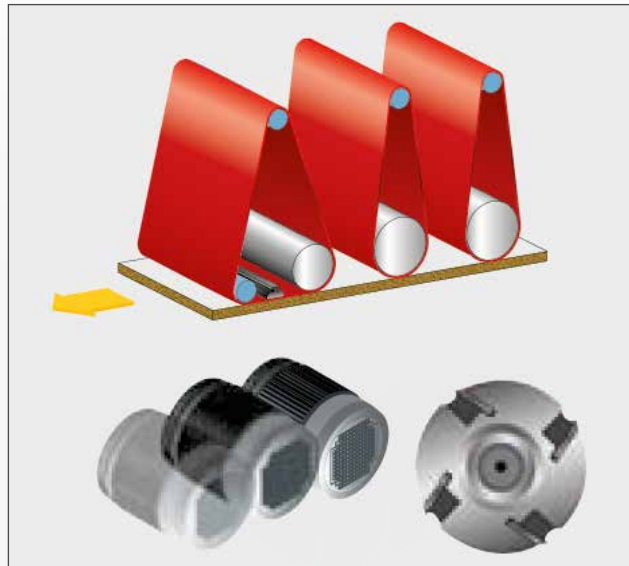
RRR



Execution RRR

- 1. Unit with slanted ribbed steel roller Ø 140 mm and fine adjustment, 2. Unit with rubber-coated roller Ø 160 mm (65 Sh) and fine adjustment
- 3. Unit with rubber-coated roller Ø 250 mm (45 Sh) and fine adjustment
- Optionally with planing shaft unit instead of the first sanding unit

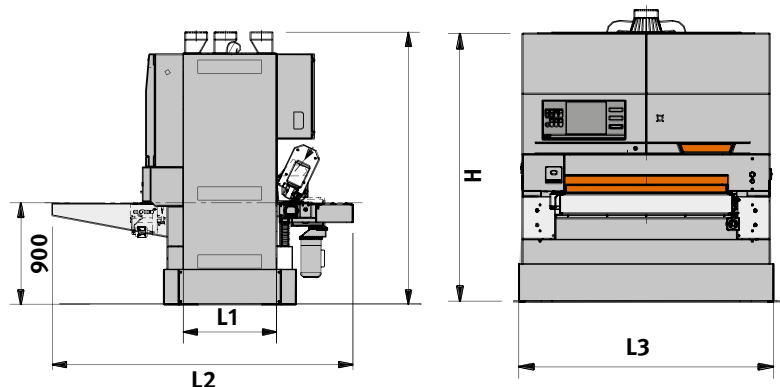
RRTC



Execution RRTC

- 1. Unit with slanted ribbed steel roller Ø 140 mm and fine adjustment, 2. Unit with rubber-coated roller Ø 140 mm (65 Sh) and fine adjustment
- 3. Unit: Combination unit with finely adjustable working height for calibrating and sanding with rubber-coated roller Ø 140 mm (45 Sh)
- Pneumatic switching on/off of the sanding pad from the control panel
- Optionally with planing shaft unit instead of the first sanding unit

Technical data	LIBRA 65
Sanding width	1350 mm
Working height min./max.	4 / 170 mm
Sanding belt width	1370 mm
Sanding belt length	2620 mm
2 feed speeds	4.5 - 9 m/min
Feed motor	0.45 / 0.8 kW
Table adjustment motor power	0.25 kW
Suction nozzle Ø per unit	200 mm
Motor power	15 kW
Version with 2 working units	
Motor power (S6-40%)	15 kW
Version with 3 working units	



Model	Article no.	H mm	L1 mm	L2 mm	L3 mm
LIBRA 65/2 RR 135	5222505	2195	1900	2390	1800
LIBRA 65/2 RTC 135	5222506	2195	1900	2390	1800
LIBRA 65/3 RRR 135	5222507	2580	1900	2390	1800
LIBRA 65/3 RRTC 135	5222508	2580	1900	2390	1800

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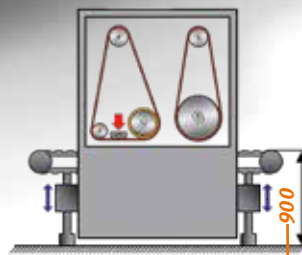
Options are available on request!

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with optional electronic SmartControl S control unit

Work table with fixed height (LIBRA 65). Available on request for LIBRA 65 only. Necessary for positioning the machine in a working line. With this option, the height of the worktable always remains at 900 mm



NUMBER OF SANDING UNITS
NUMBER OF MOTORS

Version LIBRA 65/2 RR 135	Version LIBRA 65/2 RTC 135	Version LIBRA 65/3 RRR 135	Version LIBRA 65/3 RRTC 135
2-belt	2-belt	3-belt	3-belt
			Optional planer shaft

Wide-belt sanding

CASADEI LIBRA The controls

SMARTCONTROL S



SmartControl S electronic control unit with Easy2Go Sand

For machines with elastic or electronic sanding pads instead of the standard FOX-500 control

Touchscreen colour display 10"

Machine management:

- Machine management via touchscreen operation with the option to store up to 999 work programmes
- Overall operation of the electronic sectional grinding pad with 3 operating modes:
 - Sectional grinding pad switched off
 - Sectional sanding pad activated with all segments
 - The sectional sanding pad is only activated with the sectors that are required for the geometric shape of the piece
- Preselection and activation of +/- segments to the right or left of the workpiece
- Recognition of framed pieces
- Automatic switch-on sequence of main motors
- Control and timing of the sanding rollers 45, 30 or 20 sh (only in conjunction with the option of switching the rollers on/off from the control panel)
- Checking and adjusting the working height
- Choice of sanding belt direction
- Machine operating report (working hours, machine hours)
- Production report (running metres produced)
- Checking the error messages in the event of a machine fault

FOX 500 KTR



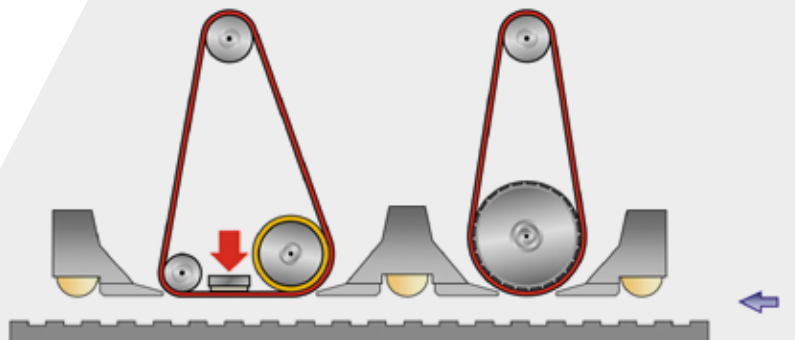
Synchronises the automatic use of the sanding pad in the infeed or outfeed of the workpiece at any feed speed. Available on request for all machines

Fox 500



Activation of the sectors via the electronic control, which synchronises their insertion with the feed speed and allows control of the electronic link grinding shoe. (supplied as standard with the electronic sectional sanding pad).

HOLZKRAFT CASADEI Libra – Equipment options



Pressure pads

The sliding pressure bars with steel sliding pads are available for LIBRA 45 and 65 on request. Suitable for thin or deformed panels. Pressure pads for processing small window parts (type IV 68) are available on request for LIBRA 65.

*Numerous equipment options
are available on request!
Let us advise you!*

Wide-belt sanding machines LIBRA 10 / LIBRA 35 / LIBRA 45 / LIBRA 65

Technical data	LIBRA 10	LIBRA 35	LIBRA 45	LIBRA 65
Sanding width	950 mm	950 / 1100 mm	1,100 / 1350 mm	1350 mm
Working height min./max.	4 / 170 mm	4 / 170 mm	4 / 170 mm	4 / 170 mm
Sanding belt width	970 mm	970 / 1115 mm	1,115 / 1370 mm	1370 mm
Sanding belt length	1525 mm	1900 mm	2150 mm	2620 mm
2 feed speeds	4.5 - 9 m/min	4.5 - 9 m/min	4.5 - 9 m/min	4.5 - 9 m/min
Feed motor	0.33 / 0.55 kW	0.33 / 0.55 kW	0.45 / 0.8 kW	0.45 / 0.8 kW
Table adjustment motor power	0.25 kW	0.25 kW	0.25 kW	0.25 kW
Motor power version with 1 or 2 working units	7.5 kW	11 kW	11 kW	15 kW
Suction nozzle Ø	150 mm	2 x 150 mm	2 x 150 mm / 2 x 200 mm	2 x 200 mm

Equipment				
Work table height adjustment with electronic display of the working height	✓	✓	✓	✓
Oscillation of the sanding belts with electronic system	✓	✓	✓	✓
Rubber-coated grooved pressure roller at the inlet 1° position with anti-return device (C.E.)	✓	✓	✓	✓
Star triangle start-up of the main motors	✓	✓	✓	✓
Planing shaft	—	—	○	○
Compact cross sanding unit with sectors	—	—	—	○
Grooved calibrating steel roller	✓	✓	✓	✓
Rubber-coated calibrating sanding roller 85-65-55-45-30-20 Sh	○	○	○	○
Selector switch for positioning the rollers from the control panel	○	○	○	○
Selector switch for positioning the sanding pad from the control panel	○	✓	✓	✓
Right-left rotation of the sanding belts	—	—	○	○
Elasticated air sanding pad	—	○	○	○
Electronic sectional sanding pad	—	○	○	○
Automatic table adjustment	○	○	○	○
Vacuum table	—	—	○	○
Work table with fixed working height 900 mm	—	—	—	○
Workpiece cleaning unit with rotating blowing nozzles	—	—	○	○
Fixed cleaning unit with Tampico roller Ø 150 mm	—	—	○	○
Fixed cleaning unit with Tampico roller Ø 200 mm	—	—	○	○
Fixed satin finishing unit (Scotch-Brite) Ø 150 mm	—	—	○	○
Oscillating satin finishing unit (Scotch-Brite) Ø 200 mm	—	—	○	○
Fixed texturing brush in the outlet made of Tynex or steel	—	—	○	○
Oscillating belt cleaning device for all units	○	○	○	○
Carpet feed with gear motor	—	○	○	○
Reinforced main motors	○	○	○	○

STANDARD	SPECIAL ACCESSORIES	NOT DELIVERABLE
✓	○	—

Noise emission data	LIBRA 10	LIBRA 35	LIBRA 45	LIBRA 65
Work-related emission value at the inlet section during idling EN ISO 11202:1997; *(K=5.0 dB)	79.9 dB(A)	76.9 dB(A)	79.8 dB(A)	82.5 dB(A)
Work-related emission value at the inlet section during processing EN ISO 11202:1997; *(K=5.0 dB)	88.6 dB(A)	86.3 dB(A)	88.9 dB(A)	85.0 dB(A)
Work-related emission value at the inlet section when idling EN ISO 11202:1997; *(K=5.0 dB)	82.0 dB(A)	80.4 dB(A)	77.1 dB(A)	79.7 dB(A)
Work-related emission value at the inlet section during processing EN ISO 11202:1997; *(K=5.0 dB)	89.4 dB(A)	84.0 dB(A)	81.0 dB(A)	87.9 dB(A)

- ▶ The maximum value of the instantaneous well-balanced acoustic pressure is lower than 130 dB (C)
 - ▶ The measurements were carried out with regard to the sample material, the measurement conditions and the instruments in accordance with the ISO 7960-95 Annex R standards.
- * Uncertainty factor K (probability 68.27%)



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