

245|10 245|20 245|30 245|40 245|50



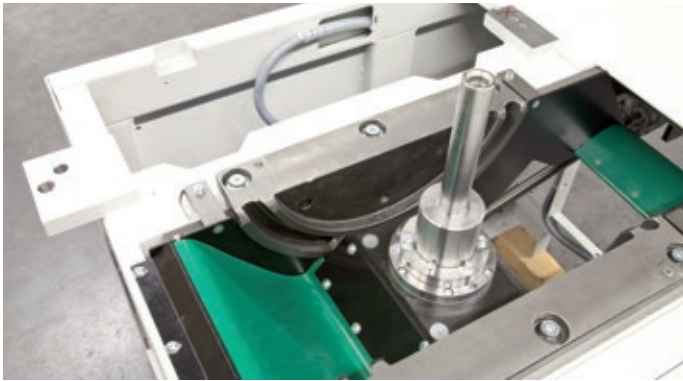
Spindle moulder with tilting spindle



It's the result that matters



PANHANS Spindle moulder with tilting spindle



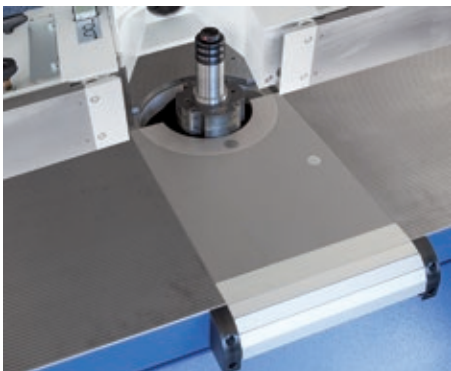
Solid machine stands for all machines in the construction kit system with heavy, double-sided cast segments, triple screw and double pin connection for best parallel guidance.

Milling unit installed at the machine stand, poss. vibrations for imbalanced tools are discharged in the machine stand instead of to the table.

The long bearing distance and special ball bearings ensure vibration-free and smooth operation of the machine.

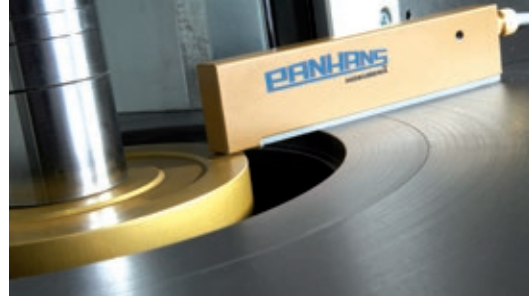


Finely planed cast table tops, strong-walled ribs ensure best sliding properties.

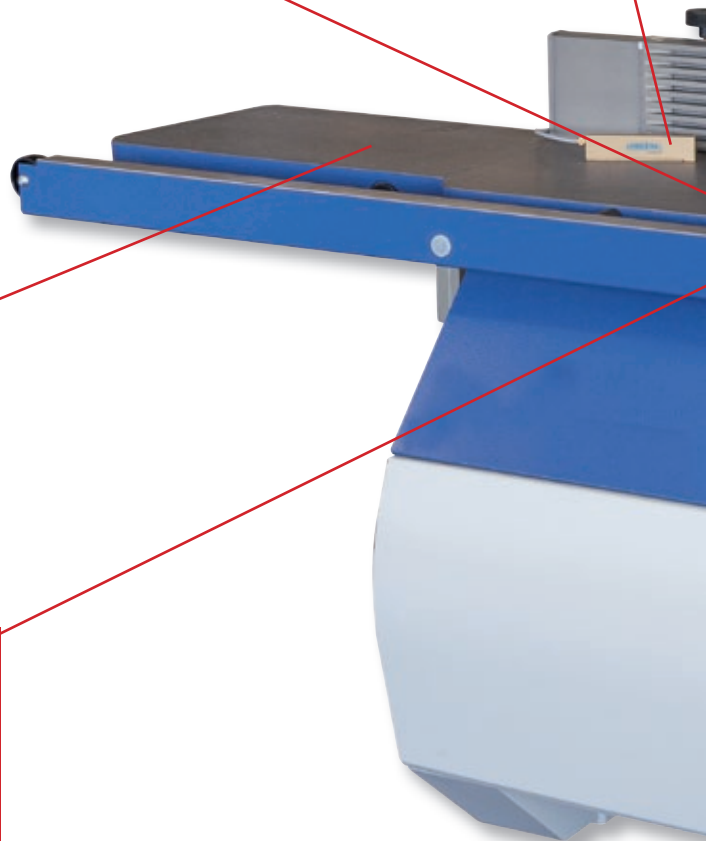


The table slider SlidePlate permits tool-free quick and stepless adjustment of the table opening to the different tool diameters; this is a particular advantage with the tilted spindle.

The stability is enormous, since the cast plate is not broken at installation of the table slider and there are no interfering edges.



Zeromaster, the fastest way of automatically setting the milling tool flush with the table top with the upper edge



Functions that matter

The positioning controls for height and tilting adjustment are logically set up and simple to operate. The +/- buttons manually adjust the spindle; brief tapping adjusts by 0.1 mm/°; the keyboard can be used to enter the desired position and move to it via the start release. Measured differences can also be entered separately. The model 245/50 is available as a multiple-axis-controlled milling machine.



Shaper fences of stable die-cast aluminium ensure precise setting of the shaper fence with parallel adjustment by hand-wheel, mostly with a dial gauge for immediate size setting of the tool diameter and the cutting depth.



Tilting devices are available in hand-hydraulic and electrical designs. They ensure that the shaper fence can be lifted off of the table quickly and without application of force and tilted back for curved work.



Dedicated service and customer service

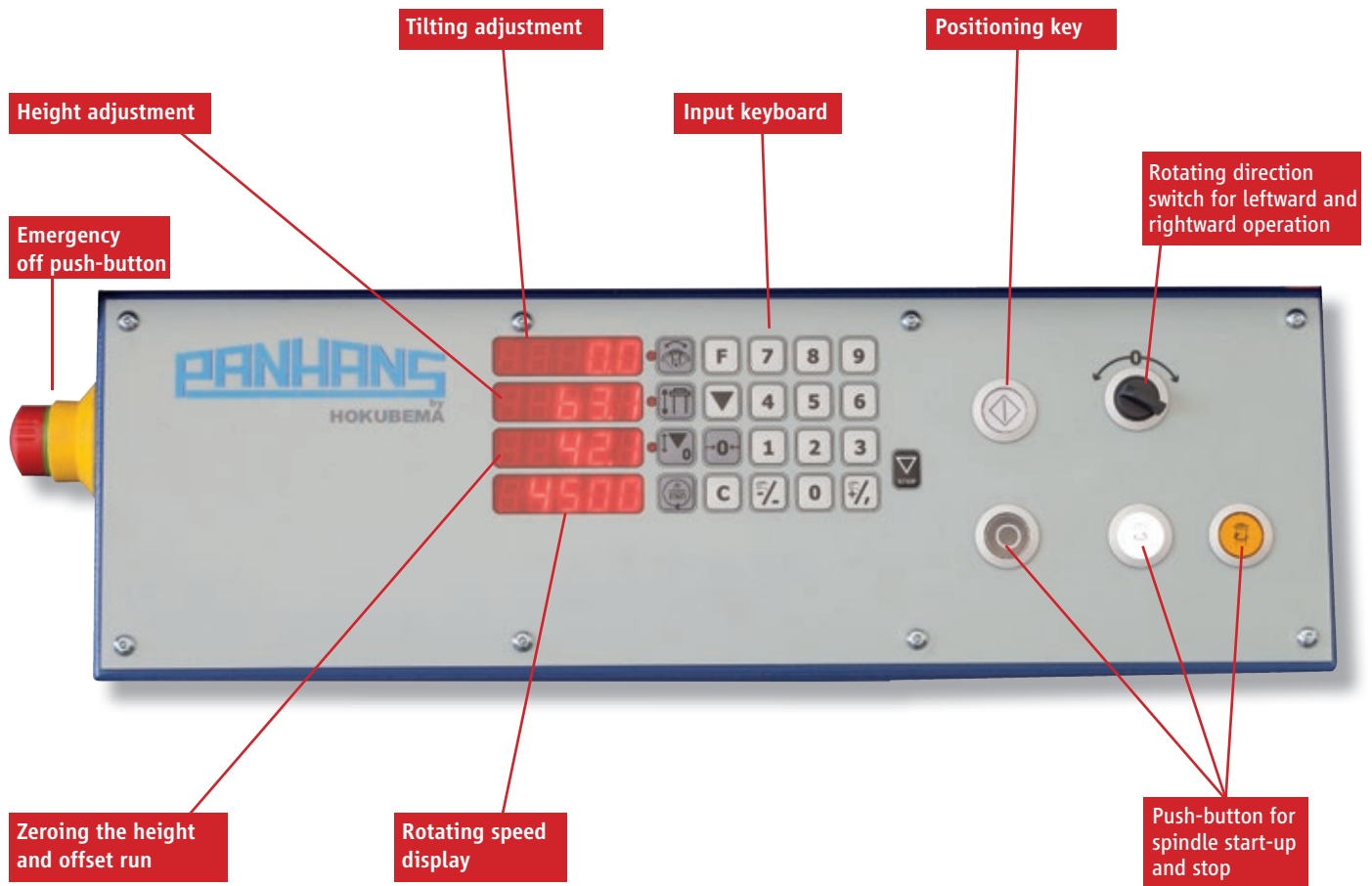
CE tested

SI-TEC
SAFETY TECHNOLOGY



BG-wood-dust-tested





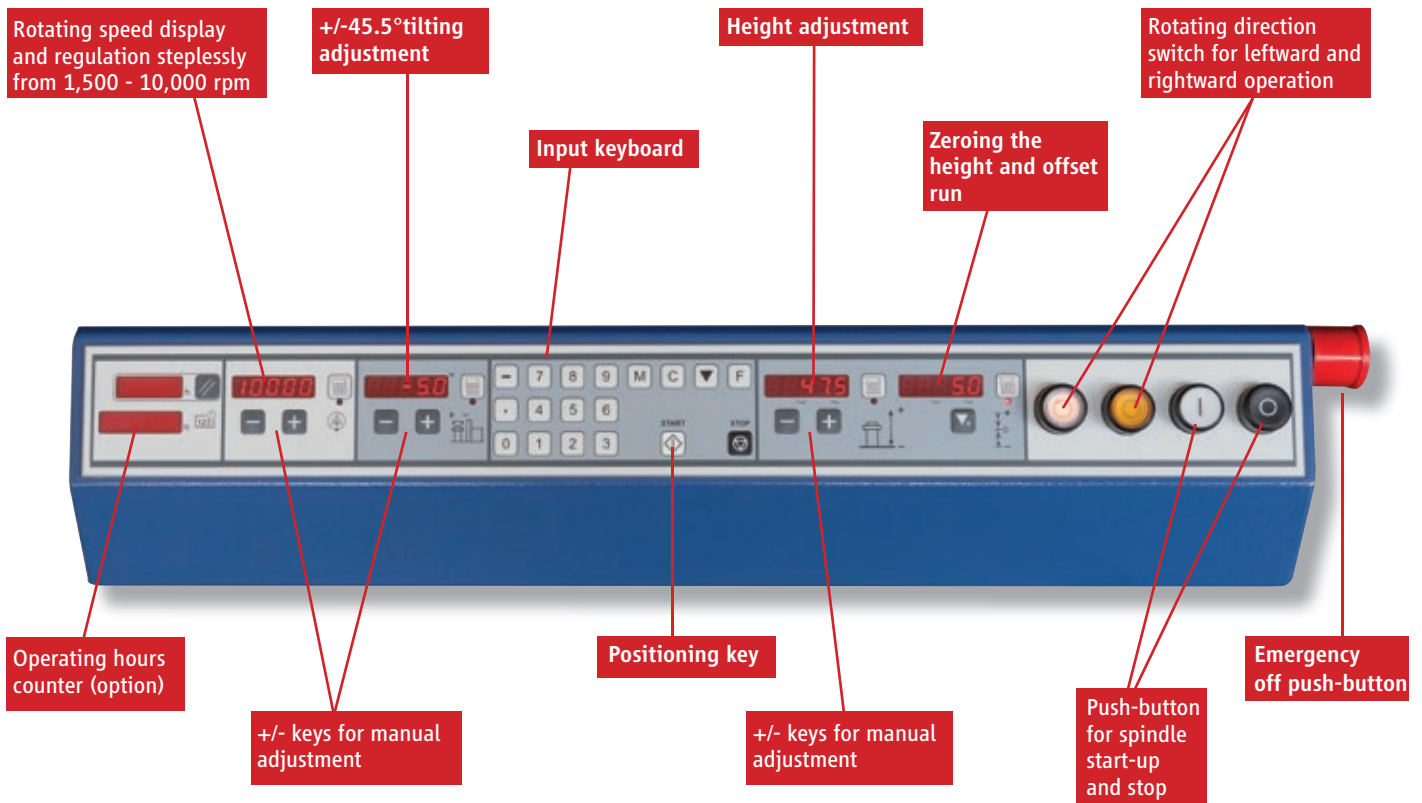
Standard at 245|20:

- Positioning control for height and tilting adjustment with zeroing of the height and offset runs

- Electronic position and speed displays
- Push-button for spindle start-up and stop
- Left- and rightward operation

24530

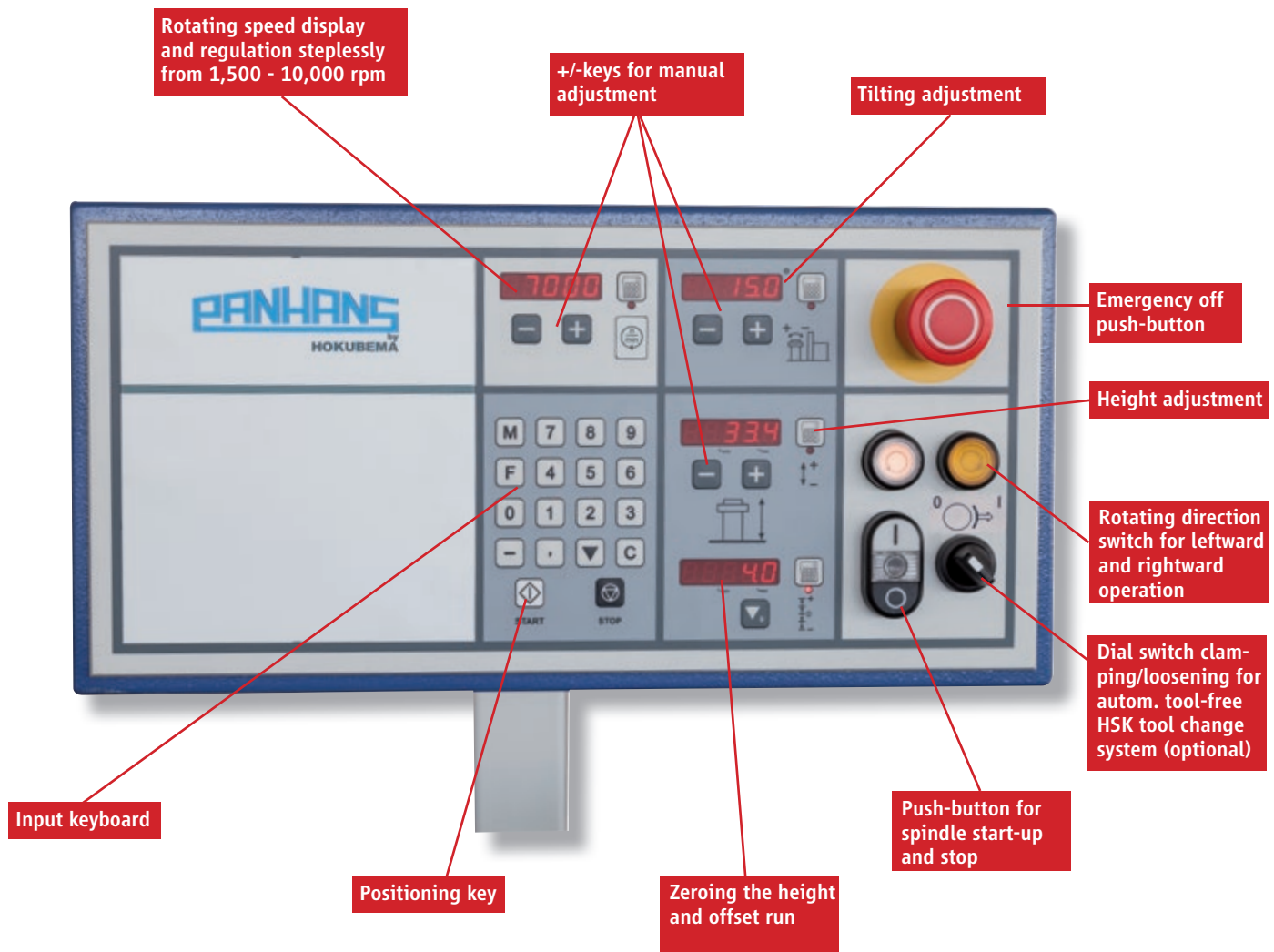
24540



Standard at 245I30 and 245I40:

- Positioning control for height and tilting adjustment and rotating speed adjustment with electronic position and rotating speed displays

- Push-button for electronic soft start-up and stop
- Left- and rightward operation

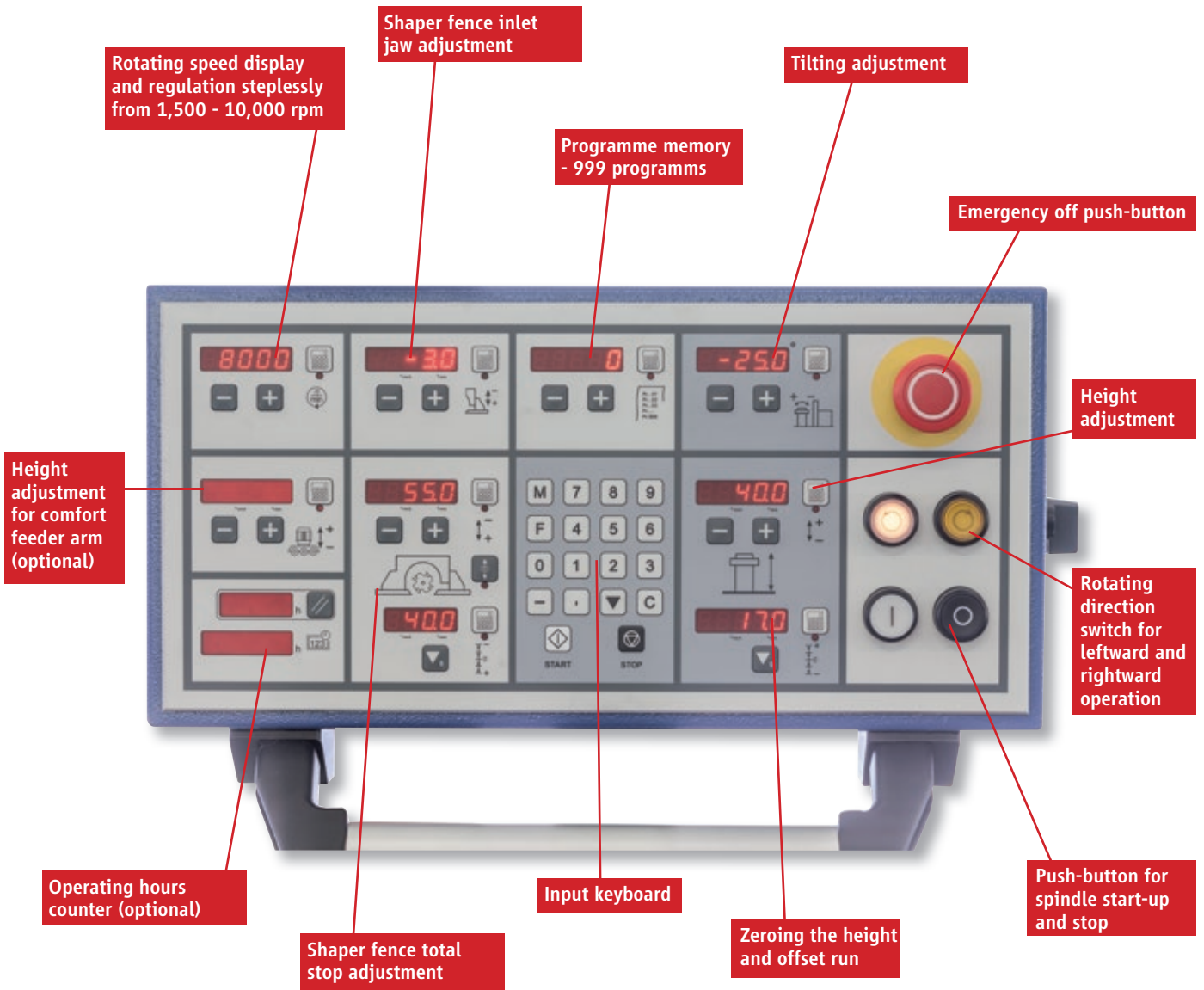


Functions identical with positioning control below table top!

Accessory/option at 245|30 and 245|40:

- Operating panel at eye level, ergonomic and operator-friendly, installed on the right side behind the table top (instead of bottom of the operating panel)

- Positioning control for height and tilting adjustment and rotating speed adjustment with electronic position and rotating speed displays
- Push-button for electronic soft start-up and stop
- Left- and rightward operation



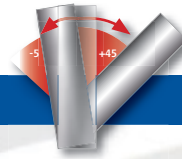
Standard at 245|50:

- 4-axis positioning control for height and tilting adjustment and speed adjustment, total fence and partial fence on the right

- 999 freely assignable program memory locations
- Overhead operating panel, ergonomic and user-friendly
- Electronic position and speed displays
- Pushbutton for spindle start-up and stop
- Left- and rightward operation

245|10

245|20



Overview

Solid technology - perfect function

The basic models 245|10 and 245|20 already make working with maximum precision and at the highest quality level possible, since they have the same unit technology as the larger models.

At a motor output of 5.5 kW, the standard designs offer 4 rotating speeds by belt shifting.



245|10

- Manual height and tilting adjustment of the milling spindle
- Display via analogue dial gauges
- Shaper fence 215 with Multiplex-fence plates
- Total adjustment via hand wheel

245|20

- Electrical height / tilting adjustment of the milling spindle via positioning control
- Shaper fence 216 with cast fence plates
- Total adjustment via hand wheel with LC display



Figure shows options

Comprehensively equipped

The higher-performance spindle moulders with tilting spindle already offer a 7.5 kW motor with stepless speed regulation (1,500 - 10,000 rpm) and a wear-free electronic motor brake in the basic version. The double-sided tilting milling spindles (+/-45.5°) are started via pushbuttons with electronic soft start-up.



245|30

- Positioning control for height, tilting and rotating speed adjustment at fixed frame support
- Finely planed grey-cast table 1100 x 760 mm
- Milling spindle \varnothing 30 mm and with quick-clamping device
- Shaper fence 216 with cast fence plates
- Total adjustment via hand wheel with LC display.

245|40

- Positioning control for height, tilting and rotating speed adjustment at extensible frame support
- Finely planed grey-cast table 1340 x 800 mm
- Rotary table insert in the work table
- Milling spindle \varnothing 30 mm and with milling spindle quick change system HSK-80 and electro-mechanical spindle blocking
- Shaper fence 216 with cast fence plates
- Total adjustment via hand wheel with LC display.



Figure shows options



Figure shows options

245|50

- 4-axis positioning control for height, tiling and rotating speed adjustment, as well as total and individual fence adjustment of the shaper fence
- 999 freely assignable program memory locations
- Operating panel at eye level, ergonomic and
- Finely planed grey-cast table 1340 x 800 mm with extensible frame support
- Milling spindle \varnothing 30 mm and with milling spindle quick change system HSK-80
- Electromechanical spindle blocking
- Electronically controlled shaper fence with
- Total and individual left fence/plate adjustment, with cast fence plates



Figures show options

Manual setting wheels



for height and tilting adjustment
Analogue dial gauges show the current values.

4 rotating speeds



3000/4500/6000/9000 rpm with electrical rotating speed display and belt quick-clamping device.

Mill quick-clamping device



Milling spindle \varnothing 30 mm not replaceable with mill quick-clamping device

Shaper fence 215



Total adjustment via hand wheel
Individual left fence plate adjustment via star handle and scale, incl. Multiplex fence plates

in Detail

Spindle moulder with tilting spindle 245|10

with tilting milling spindle, stand in modern steel construction, double-sided tilting unit bearing with 2 powerful segment guides, table of strong-walled, highly ribbed and twist-free cast design.

- Tilting area of the milling spindle $-5 / + 45.5^\circ$
- Belt quick tensioning device
- Push-button for spindle start-up and stop
- Left- and rightward operation
- Finely planed grey cast table
- Machine socket
- Lockable main switch
- Electrical motor brake
- Milling protection and pressure device GAMMA V 1629
- Ring fence 1639 Tapoa

• Motor output	5.5 kW/7.5 HP (optional: 7.5 kW)
• Table size	1100 x 760 mm
• Milling spindle	30 mm, not replaceable
• Clamping height	140 mm



245|20

in Detail



Figures show options

Positioning control



for height and tilting adjustment with elect. positioning and rotating speed display, as well as zeroing of the height and offset runs.

4 rotating speeds



3000/4500/6000/9000 rpm with belt quick-clamping device.

Mill quick-clamping device



Milling spindle \varnothing 30 mm not replaceable with mill quick-clamping device (optional: quick change system HSK-80)

Shaper fence 216



Total adjustment via hand wheel and LCD, individual left fence plate adjustment via star handle and scale, incl. cast fence plates

in Detail

Spindle moulder with tilting spindle 245|20

with tilting milling spindle, stand in modern steel construction, double-sided tilting unit bearing with 2 powerful segment guides, table of strong-walled, highly ribbed and twist-free cast design.

- Tilting area of the milling spindle -5 / + 45.5°
- Optional: -45.5° / + 45.5°
- Belt quick tensioning device
- Push-button for spindle start-up and stop
- Left- and rightward operation
- Finely planed grey-cast table with fixed frame support
- Machine socket
- Lockable main switch
- Electrical motor brake
- Milling protection and pressure device GAMMA V 1629
- Ring fence 1639 Tapoa

• Motor output	5.5 kW / 7.5 HP (option: 7.5 kW)
• Table size	1100 x 760 mm
• Milling spindle	30 mm, not replaceable
Optional:	Quick change system HSK-80
• Clamping height	140 mm



245|30

in Detail



Figures show options

2-axis positioning control



for height and tilting adjustment with elect. positioning and rotating speed display, as well as zeroing of the height and offset runs.

Stepless rotating adjustment



1500 up to 10000 rpm with electronic smooth start-up and wear-free engine brake

Mill quick-clamping device

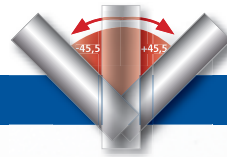


Milling spindle \varnothing 30 mm not replaceable with mill quick-clamping device (optional: quick change system HSK-80)

Shaper fence 216



Total adjustment via hand wheel and LCD, individual left fence plate adjustment via star handle and scale, incl. cast fence plates



in Detail

Spindle moulder with tilting spindle 245I30

with bilaterally tilting milling spindle, stand in modern steel construction, double-sided tilting unit bearing with 2 powerful segment guides, table of strong-walled, highly ribbed and twist-free cast design.

- Tilting area of the milling spindle - 45.5 / + 45.5°
- Push-button with electronic soft start-up
- Left- and rightward operation
- Finely planed grey-cast table with fixed frame support
- Machine socket
- Lockable main switch
- Wear-free electrical motor brake
- Milling protection and pressure device GAMMA V 1629
- Ring fence 1639 Tapoa

• Motor output	7.5 kW / 10 HP
• Table size	1100 x 760 mm
• Milling spindle	30 mm, not replaceable
• Optional	Quick change system HKS-80
• Clamping height	140 mm





Figures show options

2-axis positioning control



for height and tilting adjustment with elect. positioning and rotating speed display, as well as zeroing of the height and offset runs.

Stepless rotating adjustment



1500 up to 10000 rpm with electronic smooth start-up and wear-free motor brake

Milling spindle quick-changing system HSK 80

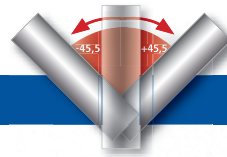


with milling spindle \varnothing 30 mm, replaceable with autom. electro-mechanical spindle lock; optional: autom. toolless HSK-change system HSK-63F or HSK-85 PowerLock

Shaper fence 216



Total adjustment via hand wheel and LCD, individual left fence plate adjustment via star handle and scale, incl. cast fence plates



in Detail

Spindle moulder with tilting spindle 245I40

with bilaterally tilting milling spindle, stand in modern steel construction, double-sided tilting unit bearing with 2 powerful segment guides, table of strong-walled, highly ribbed and twist-free cast design.

- Tilting area of the milling spindle $-45.5 / + 45.5^\circ$
- Push-button with electronic soft start-up
- Left- and rightward operation
- Finely planed grey-cast table with fixed frame support
- Machine socket
- Lockable main switch
- Wear-free electrical motor brake
- Milling protection and pressure device GAMMA V 1629
- Ring fence 1639 Tapoa

• Motor output	7.5 kW / 10 HP
• Table size	1340 x 800 mm
• Milling spindle *	30 mm, quick changing system HSK-80
• Clamping height	140 mm



Large table top with rotating table insert



Rotating table insert for turning the shaper fence 216 on the machine table by 360°

Extensible frame support



Frame support 1340 mm extensible to approx. 970 mm



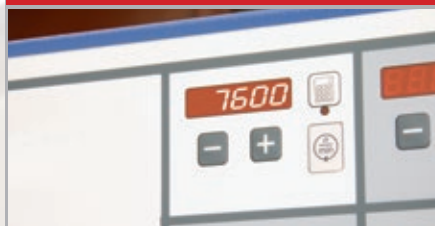
Figures show options

Positioning control - overhead operating panel



4-axis positioning control for height and tilting adjustment, total shaper fence and partial fence plate, with elect. positioning and rotating speed display, as well as 999 freely assignable programs

Stepless rotating adjustment



1500 up to 10000 rpm with electronic soft start-up and wear-free engine brake

Milling spindle quick-change system HSK-80

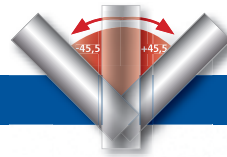


with milling mandrel 30 mm, replaceable with autom. electromech. spindle blocking optional: autom. tool-free HSK-change system HSK-63F or HSK-85 PowerLock

Shaper fence



Electronically controlled with total fence and right fence plate adjustment, with cast fence plates



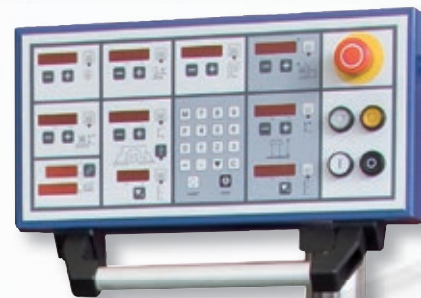
in Detail

Spindle moulder with tilting spindle 245I50

with bilaterally tilting milling spindle, stand in modern steel construction, double-sided tilting unit bearing with 2 powerful segment guides, table of strong-walled, highly ribbed and twist-free cast design.

- Tilting area of the milling spindle - 45.5 / + 45.5°
- Push-button with electronic soft start-up
- Left- and rightward operation
- Large, finely planed grey-cast table with fixed frame support
- Machine socket
- Lockable main switch
- Wear-free electrical motor brake
- Milling protection and pressure device GAMMA V 1629
- Ring fence 1639 Tapoa

- | | |
|---------------------|-----------------------------------|
| • Motor output | 7.5 kW / 10 HP |
| • Table size | 1340 x 800 mm |
| • Milling spindle * | 30 mm, quick change system HSK-80 |
| • Clamping height | 140 mm |



Extensible frame support

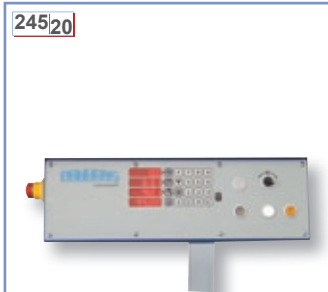


Frame support
1340 mm extensible to
approx. 970 mm

(Figure shows optional table
top extension to 2500 mm)

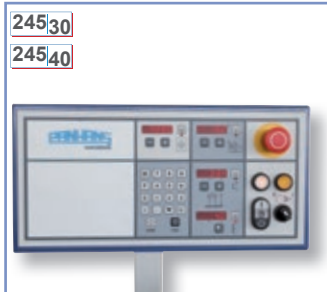
PANHANS
by
HOKUBEMA
245|50

Special equipment



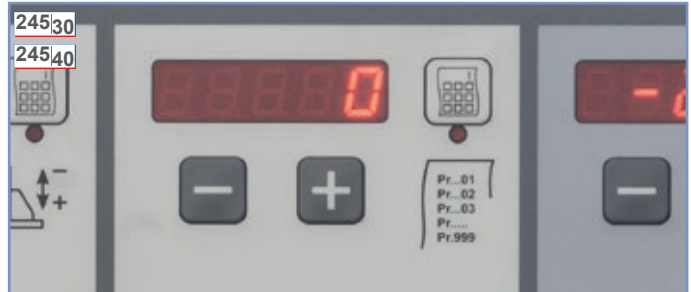
Overhead operating panel for 245|20

item no. 4632



Overhead operating panel for 245|30 + 245|40

item no. 4514



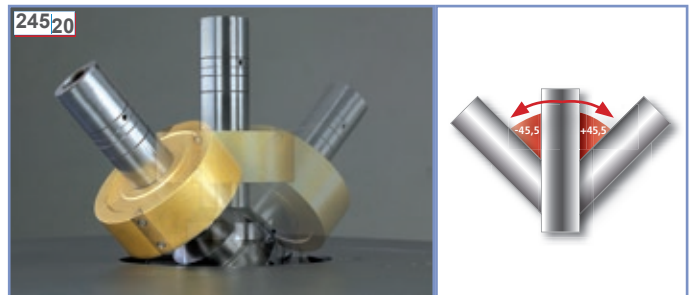
Programme module for 999 freely assignable programs

item no. 4540



Zeromaster reference size setting device, ensures short setting up times in tool calibration

item no. 2205



Milling spindle, bilaterally tilting $\pm 45.5^\circ$

item no. 4541



Frame support 1340 mm extensible to approx. 892 mm

item no. 4232



Table top extension bilateral for 245|10

item no. 4630

Table top extension bilateral for 245|20 + 30

item no. 4465

Table top extension bilateral for 245|40 + 50

item no. 4215



Table top extension unilateral for 245|40 + 50

item no. 4217



Anti kick-back protection 1648, for safe insertion milling

item no. 2002

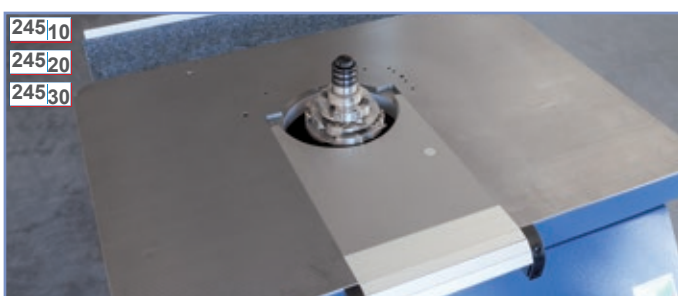


Table slider Slide Plate, small table top

item no. 4467

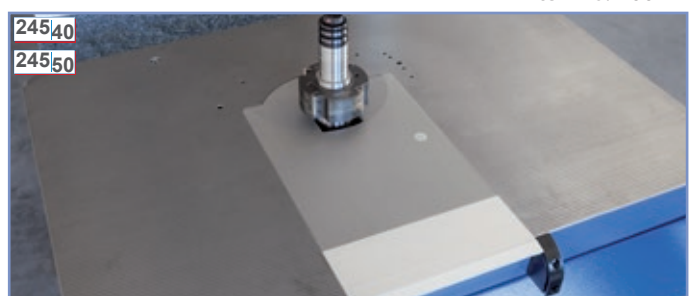


Table slider Slide Plate, large table top

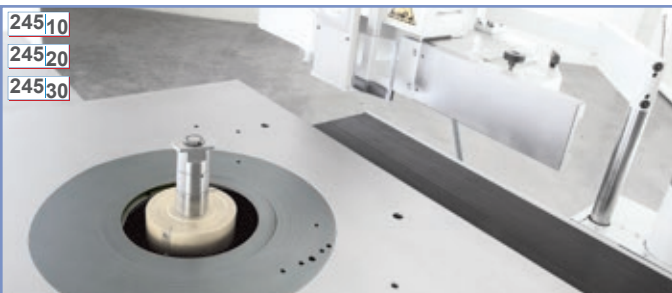
item no. 4543



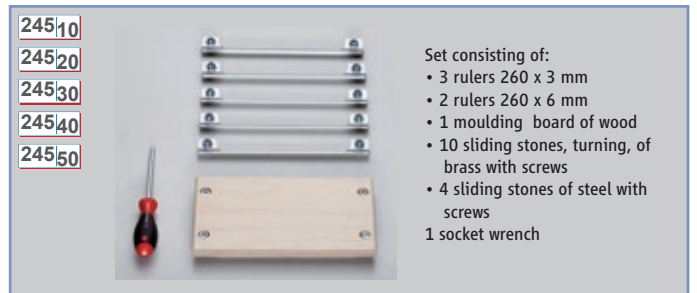
24510
Shaper fence 216 total adjustment via hand wheel and LC display, individual fence plate adjustment via star handle and scale, Incl. cast fence plates item no. 4274



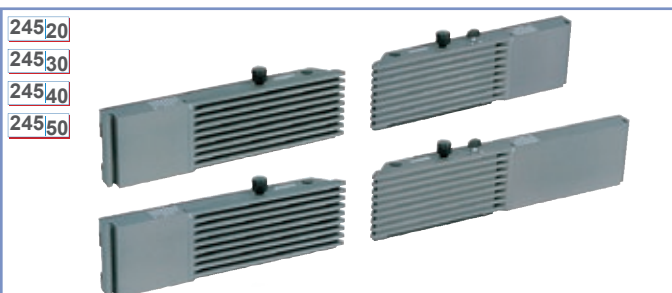
24520
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24540
Shaper fence 204 with 2 hand wheels and 2 LC displays for total and individual fence adjustment, incl. comfort clamp item no. 4404



24510
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24530
Rotating table insert for turning the shaper fence 216 on the machine table by 360° item no. 4466



24510
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24550
Set consisting of:
• 3 rulers 260 x 3 mm
• 2 rulers 260 x 6 mm
• 1 moulding board of wood
• 10 sliding stones, turning, of brass with screws
• 4 sliding stones of steel with screws
• 1 socket wrench
1 set safety rulers with fillet plate item no. 2093



24520
24530
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24550
Integral fence plates 500 mm (l + r) item no. 4170
Integral fence plates 500 mm (l) + 650 mm (r) item no. 4169
Integral fence plates 650 mm (l + r) item no. 4171



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24550
Centrex 1624 milling protection and pressure device, ensures secure fastening of the workpiece item no. 2220



24510
24520
24530
24540
24550
Tilting device hand-hydraulic, comfortable and safe lifting and tilting of the shaper fence item no. 4349



24540
24550
Comfort turn-away device
Electromotor-powered lifting and tilting away of the shaper fence into a neutral position item no. 4218

Special equipment



24520

24530

Milling spindle quick-change system HSK-80 with milling spindle 30 mm, replaceable with autom. electromech. spindle blocking
 HSK-80 for 245I20 item no. 4635
 HSK-80 for 245I30 item no. 4544

Quick change system milling spindles
 HSK-80, 30 mm / clamping length 140 item no. 4443
 HSK-80, 35 mm / clamping length 140 item no. 4549.2
 HSK-80, 40 mm / clamping length 160 item no. 4444
 HSK-80, 50 mm / clamping length 160 item no. 4549.3
 HSK-80, 1 3/4" / clamping length 140 item no. 4517



24520

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24550

Collet mandrel HSK-80 item no. 4560



Collet chuck HSK-80 item no. 4558
 Collet chuck HSK-63F item no. 4653
 Collet chuck HSK-85 Power-Lock item no. 4857



24540

24550

Collet chuck HSK-63F item no. 4637
 Collet chuck HSK-85 Power-Lock item no. 4856



24540

24550

Milling spindle quick-changing system HSK-63 F item no. 4286
 Mill. spindle quick-chang. system HSK-85 Power-Lock item no. 4287

Quick change system milling mandrels

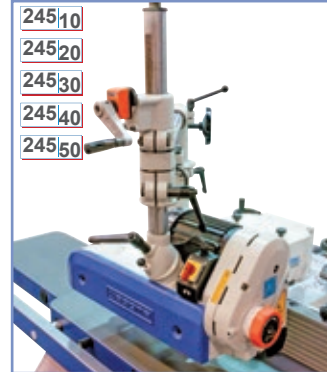
Mill. spindle HSK-63 F 30 mm / clamping length 80 mm item no. 4650
 Mill. spindle HSK-63 F 30 mm / clamping length 140 mm item no. 4631
 Mill. spindle HSK-63 F 35 mm / clamping length 140 mm item no. 4651
 Mill. spindle HSK-63 F 40 mm / clamping length 140 mm item no. 4633
 Mill. spindle HSK-63 F 40 mm / clamping length 180 mm item no. 4634
 Mill. spindle HSK-63 F 50 mm / clamping length 160 mm item no. 4652
 Mill. spindle HSK-63 F 1 3/4" / clamping length 140 mm item no. 4636

Mill. spindle HSK-85 PowerLock 30 mm/clamp. length 80mm item no. 4850
 Mill. spindle HSK-85 PowerLock 30 mm/clamp. length 140mm item no. 4851
 Mill. spindle HSK-85 PowerLock 40 mm/clamp. length 140mm item no. 4852
 Mill. spindle HSK-85 PowerLock 40 mm/clamp. length 180mm item no. 4853
 Mill. spindle HSK-85 PowerLock 50 mm/clamp. length 160mm item no. 4854
 Mill. spindle HSK-85 PowerLock 1 3/4" / clamp. length 140mm item no. 4855



Feeder PV 84 item no. 4029

- 4 rollers 120 x 60 mm
- 8 speeds (2/4/5.5/6.7/11/13/16.5/33 m/min)
- Stand with extended extension arm 1050 mm
- Right- and leftward operation
- Can be individually used horizontally and vertically
- Can be individually adjusted

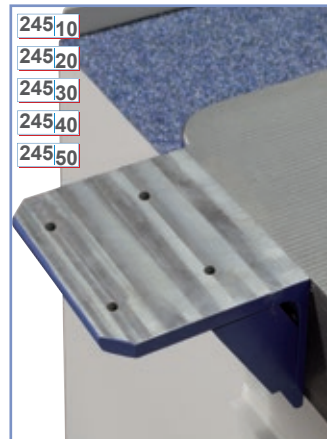


Infed device Variomatic 4N item no 4638

- 4 rollers (roller width separated 2 x 25 mm, rollers ø 120 mm)
- Stepless speed 2 - 18 m/min
- Right- and leftward operation
- Quick change from horizontal to vertical operation
- Simple tilting away and positioning
- Memory-lock system for accurately repeatable fastening
- Comfort stand
- Numeric height display
- Jib arm 1050 mm long



Comfort infed carrying arm, height-adjustable by electromotor, positioning via axis module for taking up a feeder item no.4216



Console for infed device fixed console for infed device, tilting Required for designs with sliding table



item no. 4561
item no. 4559

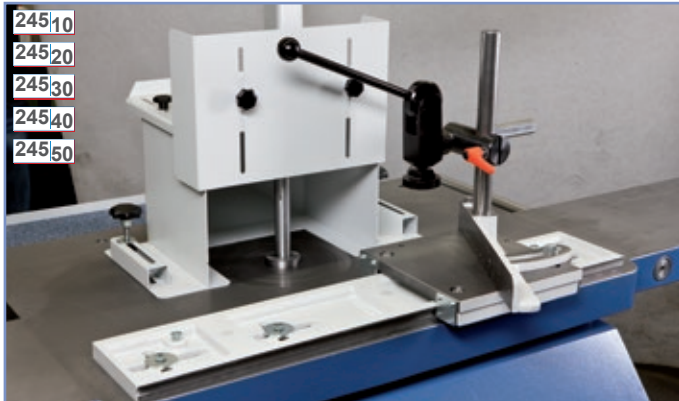


Sliding table item no. 4491
With stop holder, eccentric clamp, running track retractable, incl. safety hood 1641



Length stop LAS-M, 1750 mm long item no. 4417
Extension for LAS-M, 2750 mm long item no. 4418

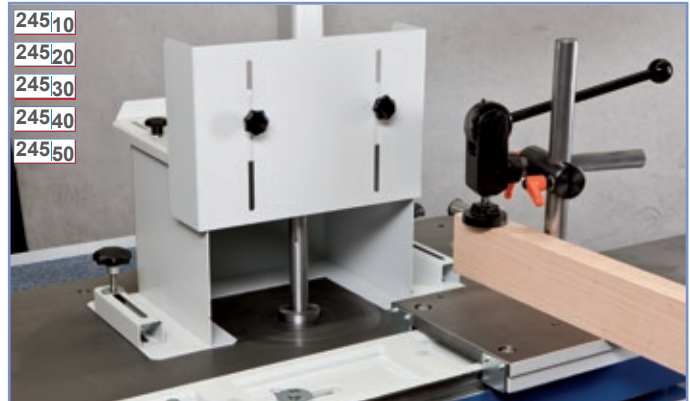
Special equipment



245|10
245|20
245|30
245|40
245|50

Tenon cutting and slotting device 1376 item no. 4547
with eccentric clamp, with adjustable mitre stop 30° to 150°.
Sliding carriage runs smoothly on ball bearings.

Sliding path 710 mm
Size of the sliding plate 295 x 255 mm
Setup height approx. 56 mm



245|10
245|20
245|30
245|40
245|50

Safety hood 1641 item no. 2235
for tenon cutting and slotting discs up to max. 350 mm Ø, of strong
steel sheet, with adjustable safety lid, with extraction socket
120 mm Ø



245|10
245|20
245|30
245|40
245|50

Central lubrication item no. 4858



245|20
245|30
245|40
245|50

Curved door item no. 4863



245|30
245|40
245|50

Operating hours counter item no. 4509

Drive motor 7.5 kW for 245|10 + 245|20 item no. 4217

Rotating speed 1,500 - 12,000 rpm of the milling spindle for
245|30, 245|40, 245|50
with 7.5 kW inverter item no. 4861
with 11.0 kW inverter item no. 4862

When producing milled parts, repeatable precise settings can reduce the time expenditure and lower costs.

The prerequisite are well-equipped machines with sensible accessories.

Example: Production of a rebate with 15 mm height and 20 mm depth.

v 1. Tool change on spindle with quick clamping nut

25 seconds



1a. Tool change with pre-installed tool on spindle HSK 80 (spindle to spindle)

35 seconds



1b. Tool change with pre-installed tool on spindle HSK 63 F with automatic tool-free HSK tool change system (spindle to spindle)

23 seconds



2. Setting zero point setting with Zeromaster (milling device upper edge to table top) including rebate height 15 mm

23 seconds



3. Setting shaper fence to zero point (tool diameter)

7 seconds



4. Setting shaper fence to fold depth 20 mm

6 seconds



5. Setting rotating speed to 7,600 rpm

5 seconds



Setting up time

66 seconds

A comparison with the times that your machines can achieve pays off!

Technical data

24510

• Tilting range	-5 up to +45°
• Rotating speeds	3000/4500/6000/9000 rpm
• Motor output	5.5 kW / 7.5 HP
• Voltage	400 V / 50 Hz
• Table size	1100 x 760 mm
• Table height	870 mm
• Milling spindle	30 mm, not replaceable
• Clamping height	140 mm
• Height adjustment	140 mm
• Extraction socket	120 mm ø, 2 pieces
• Dimensions	1100 x 1170 mm
• Weight	approx. 800 kg

24520

• Tilting range	-5 to +45°
• Rotating speeds	3000/4500/6000/9000 rpm
• Motor output	5.5 kW / 7.5 HP
• Voltage	400 V / 50 Hz
• Table size	1100 x 760 mm
• Table height	870 mm
• Milling spindle optional	30 mm, not replaceable quick changing system HSK-80
• Clamping height	140 mm
• Height adjustment	125 mm
• Extraction socket	120 mm ø, 2 pieces
• Dimensions	-5/+45° -/+45.5° 1145 x 1328 mm 1145 x 1364 mm*
• Weight	approx. 800 kg

24530

• Tilting range	-45.5 to +45.5°
• Stepless speed adjustment	1500 - 10000 rpm
• Motor output	7.5 kW / 10 HP
• Voltage	400 V / 50 Hz
• Table size	1100 x 760 mm
• Table height	870 mm
• Milling spindle* optional	30 mm, not replaceable quick changing system HSK-80
• Clamping height	140 mm
• Height adjustment	125 mm
• Extraction socket	120 mm ø, 2 pieces
• Dimensions	1100 x 1379 mm
• Weight	approx. 880 kg

24540

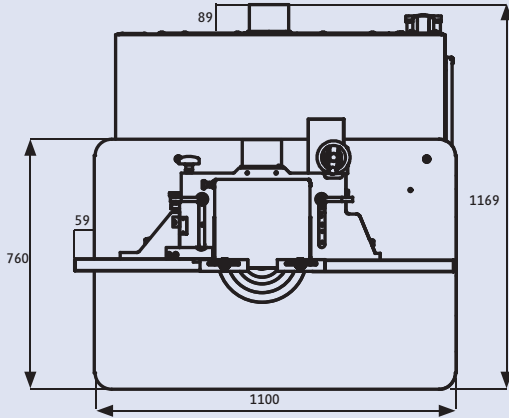
• Tilting range	-45.5 to +45.5°
• Stepless speed adjustment	1500 - 10000 rpm
• Motor output	7.5 kW / 10 HP
• Voltage	400 V / 50 Hz
• Table size	1340 x 800 mm
• Table height	870 mm
• Milling spindle*	30 mm, replaceable, HSK-80
• Clamping height	140 mm
• Height adjustment	125 mm
• Extraction socket	120 mm ø, 2 pieces
• Dimensions	1340 x 1324 mm
• Weight	approx. 980 kg

24550

• Tilting range	-45.5 to +45.5°
• Rotating speeds	1500 - 10000 rpm
• Motor output	7,5 kW / 10 HP
• Voltage	400 V / 50 Hz
• Table size	1340 x 800 mm
• Table height	870 mm
• Milling spindle*	30 mm replaceable, HSK-80
• Clamping height	140 mm
• Height adjustment	125 mm
• Extraction socket	120 mm ø, 2 pieces
• Dimensions	1340 x 1380 mm
• Weight	approx. 1050 kg

24510

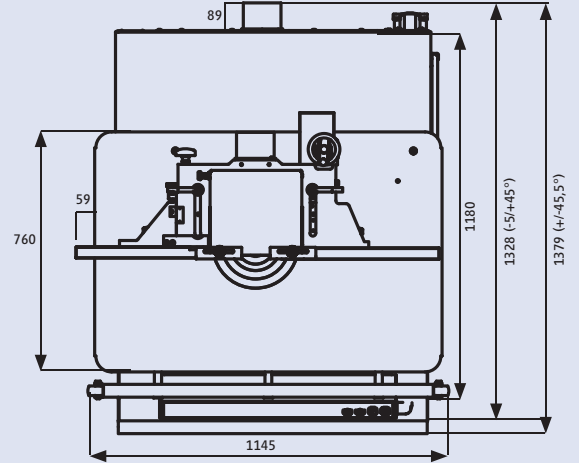
Dimensions mm



24520

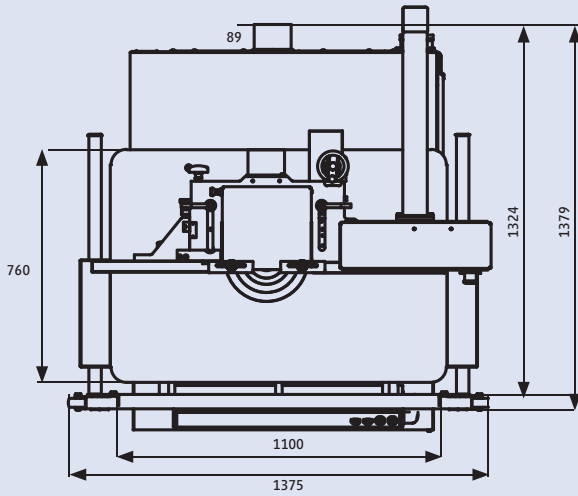
Dimensions

Dimensions mm



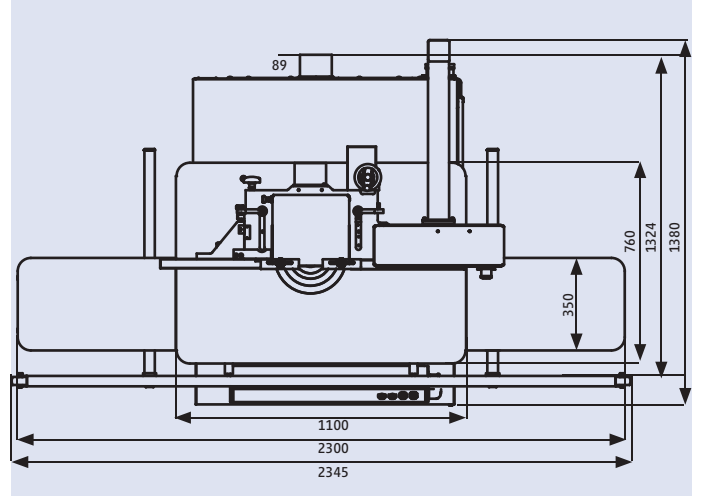
24520 24530

Dimensions mm



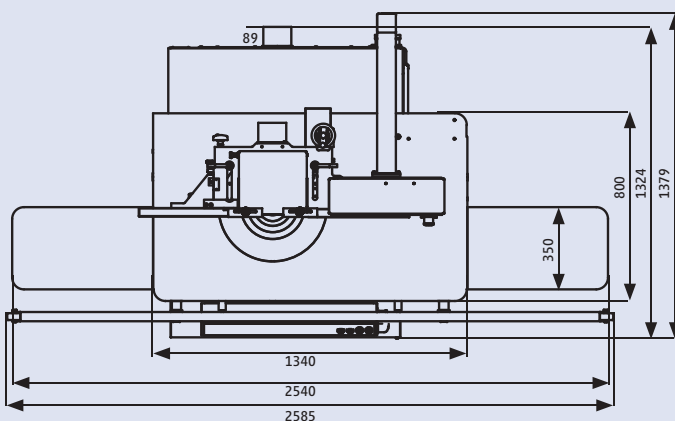
24520 24530

Dimensions mm



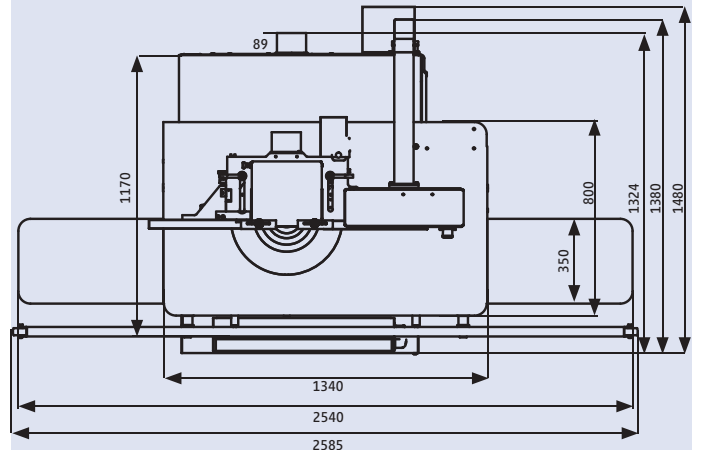
24540

Dimensions mm

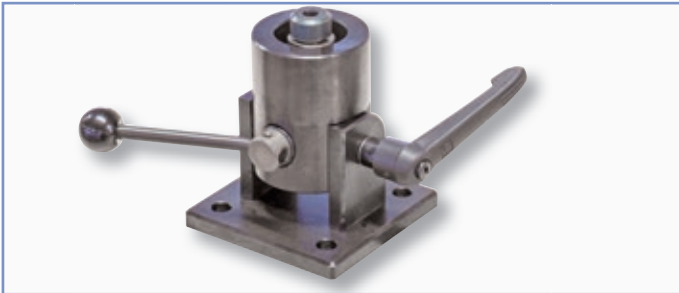


24550

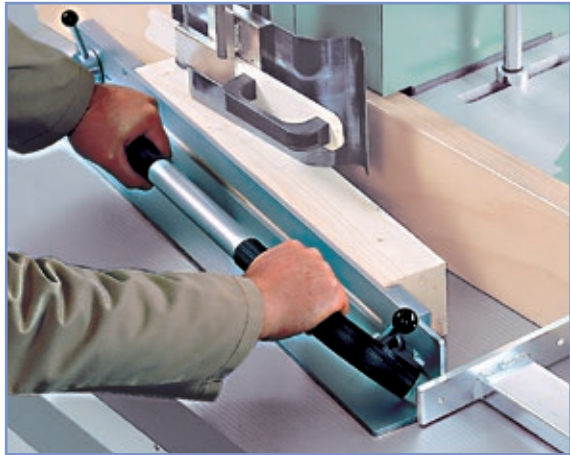
Dimensions mm



Additional equipment from the HOKUBEMA SI-TEC programme



HSK assembly device with eccentric clamp



Clamping drawer

item no. 3365

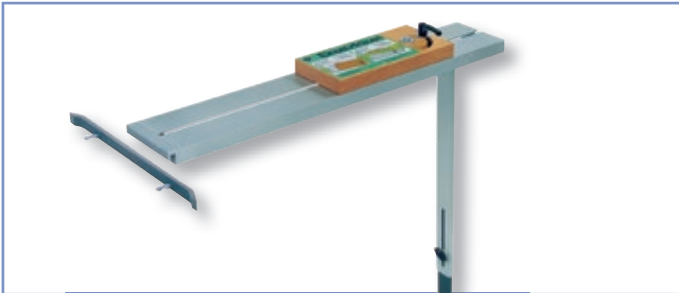


Table extension with anti kick-back protection item no. 3056



CONTERMAX

item no. 3054



Drilling

Sawing

Milling

Planing

SI-TEC

Service

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