

HMBS 510 x 510 CNC X

HMBS 510 x 510 CNC X – fully automatic two-column horizontal metal-cutting band saw with SIEMENS control unit

Automatic

- ▶ For sawing, e.g., stainless steel, tool steel, sections and full materials
- ▶ Material feed 670 mm
- ▶ Saw arm with stroke measuring sensor for determining the cut start position
- ▶ Saw band guide with adjustable tungsten carbide plates
- ▶ Saw band wheels tilted through 25° for a longer saw band service life
- ▶ Clamping of the material upstream and downstream of the cut through two-part vice
- ▶ Line guides on both columns
- ▶ Rugged top saw band guide
- ▶ Hydraulic band tensioning unit
- ▶ With motorised swarf clearing brush
- ▶ Controller with 99 program memory slots with up to 99 setting options



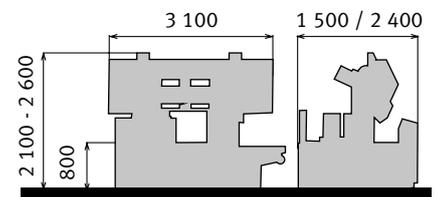
! For an exhaustive explanation of the controls, see pages 227 – 231



Scope of delivery:

- › Workpiece chute
- › Saw band
- › Operating tool
- › Cut probe
- › Workplace lighting
- › Chip conveyor with swarf container
- › Automatic band guide setting
- › Frequency converter,
- › Coolant pump
- › Cutting channel opens when saw band moves to top position

Model	HMBS 510 x 510 CNC X
Art. no.	3690019
Technical specifications	
Motor output 3 x 400 V/50 Hz	7.5 kW
Speed stages	Continuously variable
Saw band speeds	15 - 80 m/min
Saw band dimensions	6 060 x 54 x 1.6 mm
Dimensions (L x W x H)	3100 x 2 400 x 2 600 mm
Table height material feed	800 mm
Weight	6 220 kg
max. feed length for 1 x feed unit	50 mm
min. remaining workpiece length CNC operation	120 mm

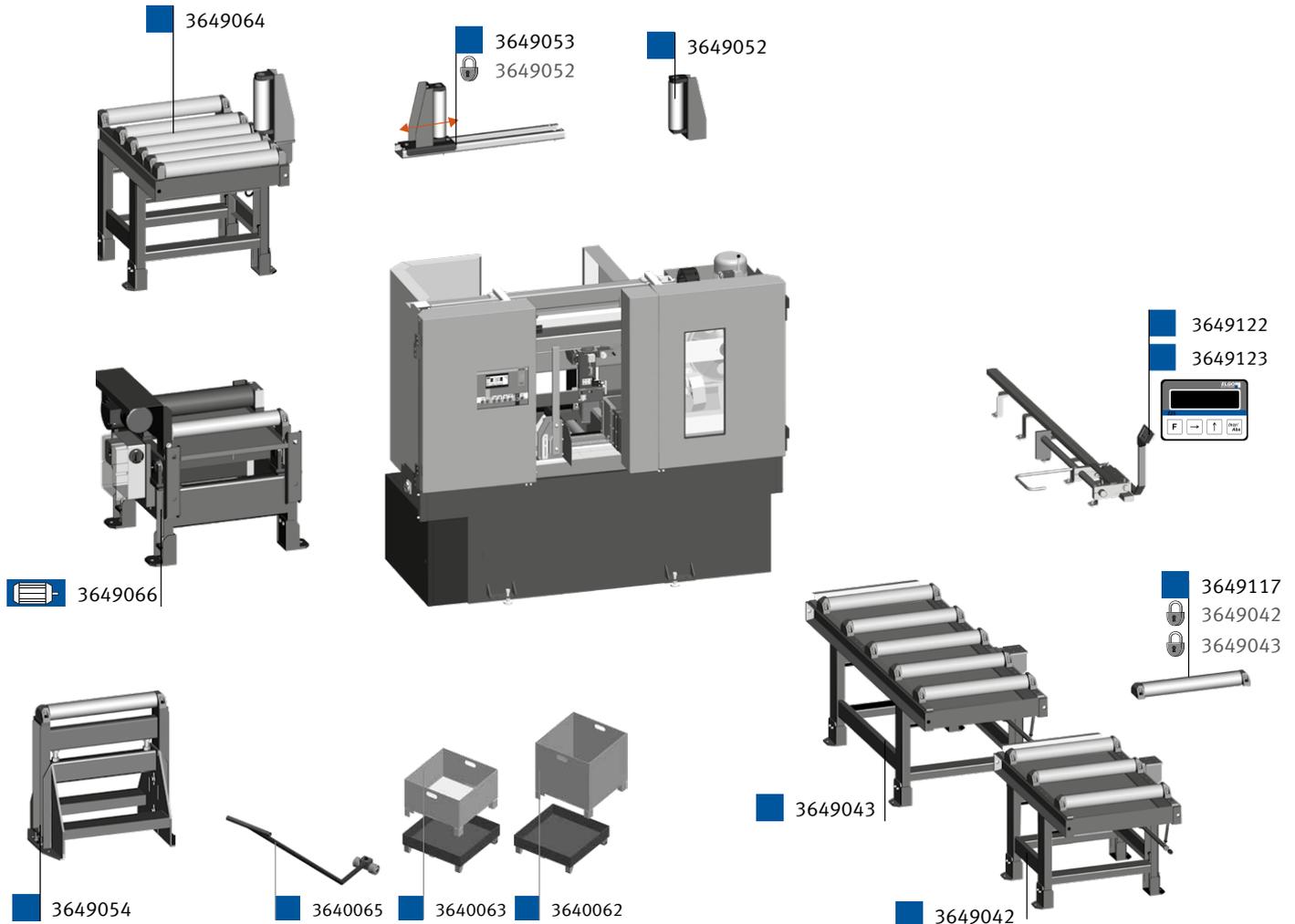
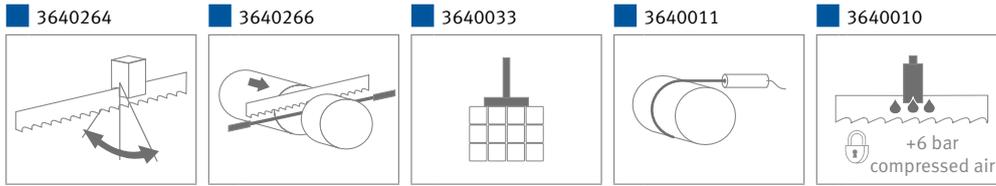


HMBS 510 x 510 CNC X	
Minimal cross cut length	10 mm
Minimum size of material	75 mm
Remaining piece length during a cut	50 mm
Remaining piece length in CNC operation	120 mm
Minimum material feed	3 mm
Feed length	670 mm
Maximum feed length	9 999 mm

Clamping ranges HMBS 510 x 510

mm	0°	
	510	X
	510 *	X
	510 x 530	500 x 450

* recommended values



Optional accessories	Art. no.
Set 2 x hydr. bundle clamping unit (for CNC versions)	3640033
Cutting line laser	3640011
Micro-spraying system	3640010
Cut path monitoring	3640264
Precise automatic workpiece feeding	3640266
Accessories	
Workpiece container	3640062
Swarf container	3640063
Trolley for swarf container and workpiece container	3640065
Coolant concentrate 5 l	3601751
Spraying agent 5 l, micro-dosing unit	3608020
Roller and measuring tracks**	
1 000 x 620 mm roller conveyor	3649042
2 000 x 620 mm roller conveyor	3649043
1 000 x 620 mm feed roller conveyor with one guide roller at the side	3649065
Hydraulic lifting roller	3649066

Accessories, roller and measuring tracks	
lateral guide roller, moving for roller conveyors (requires: 3649052*)	3649053
Lateral guide roller, rigid	3649052
Roller support, height-adjustable, width 620 mm, load-bearing capacity 1,000 kg	3649054
Additional roller 620 mm (requires 3649042*/3649043*)	3649117
M42 saw bands for HMBS 510 x 510 CNC X	
6 060 x 54 x 1.6 mm 3-4 TPI Sprint Plus	3655007
6 060 x 54 x 1.6 mm 2-3 TPI Sprint Plus	3655107

* must be ordered with your order! *incl. legs and connecting adapter

More saw bands and info on Page 283

When ordering a roller conveyor, always state whether you need a feed or discharge conveyor

Magnetic drilling
Deburring
Metal grinding
Cutting
Notching & punching
Bending
Presses
Circular saws
Roller conveyors
Metal-cutting band saws