



Band Saws

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Individual 620.460 DGH

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A universal semiautomatic band saw of a double-column construction, designed double-sided mitre cuts. Thanks to their arms rigidity, double-column band saws wit

both-sided linear guiding achieve much shorter cutting times, especially in cutting full materials, than machines with articulated saw arms. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, a 41 mm high saw band and lastly, a synchronous running brush for chips disposal.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately.

All control elements are located on the freely-adjustable control panel. The saw swivelling range is continuous in the range from 60° right to 60° left with stable position of the clamped material. Material clamping is performed by a full-stroke vice.

The basic equipment is frequency converter that allows the saw band's optimal speed to be set against the processed material within the 20–120 m/ min range. This significantly increases both the saw band lifetime and the machine's productivity.








The saw band is tilted against the vice load surface at a 2° angle, which also significantly shortens cutting times and contributes to a longer saw band lifetime. The standard equipment also includes automatic downfeed pressure regulation dependent on the resistance of the processed material on both guiding cubes and continuously adjustable arm downfeed from freely-adjustable control panel.

The machine can be extended by a wide range of accessories such as LaserLiner to indicate the cut, additional lighting or even mist lubrication device (microniser). The machine can be adapted to specific user requirements also by roller conveyors for the the input and output of the material, length stops or transverse cross feeders.

Key features

- Two-column structure
- Hydraulic full-lift clamping vice
- Continuously adjustable saw arm feed to depth and pressure to depth
- Freely positionable control panel

Cutting parameters

						
0°	460	620x460	460			
45°R	420	420x400	405			
45°L	420	440x300	420			
60°R	275	280x390	265			
60°L	300	300x460	300			

Technical specification

Working mode:	semiautomatic
Machine type:	Horizontal bandsaw
Cut:	Mitre cut
Mitre cuts range:	-60° - 60°
Drive:	4 kW, 3×400 V/50 Hz
Saw band speed:	20 - 120 m/min.
Saw band dimensions:	6 100×41×1,3 mm
Material loading height:	770 mm
Shortest remnant length:	40 mm
Smallest sawing diameter:	Ø 5 mm

Machine dimensions

Length:	3 000 mm
Width:	1 850 mm
Height:	2 350 mm
Weight:	1850 kg

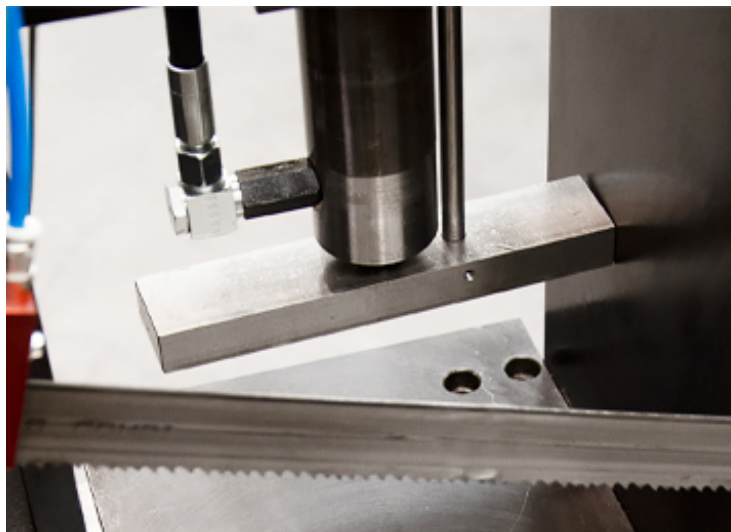
Suitable handling systems

Accessories



Micro-spray-system

For ideal cutting of pipes and profiles, the micro-spray unit applies a grease film on the teeth points and lateral sides of the saw band.



Hydraulic bundle clamping device

Device for clamping materials in layers and bundles with the use of an additional vertical clamping unit.



Manual bundle clamping device

Device for clamping materials in layers and bundles with the use of an additional vertical clamping unit.



Digital arm angle indicator

For an accurate reading angles of the arm position. Reading variables show digital display.



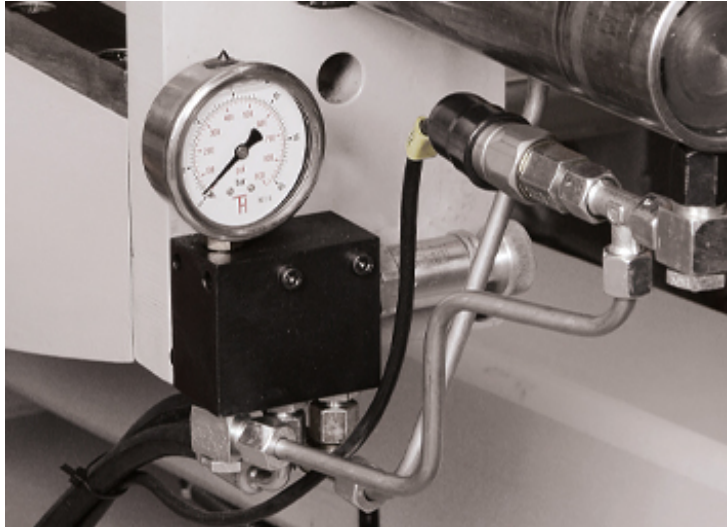
Workspace lighting

A LED lamp for lighting the workspace, adjustable and mounted on the flexible arm.



Pistol for machine cleaning

Tool for fast and easy cleaning of the machine from chips and burrs.



Vice pressure regulation

The pressure regulation of both cylinders is centrally prese firstly to be avoided of the deformations by thin-walled pipe and profiles.

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