



Individual

Semiautomatic bandsaw

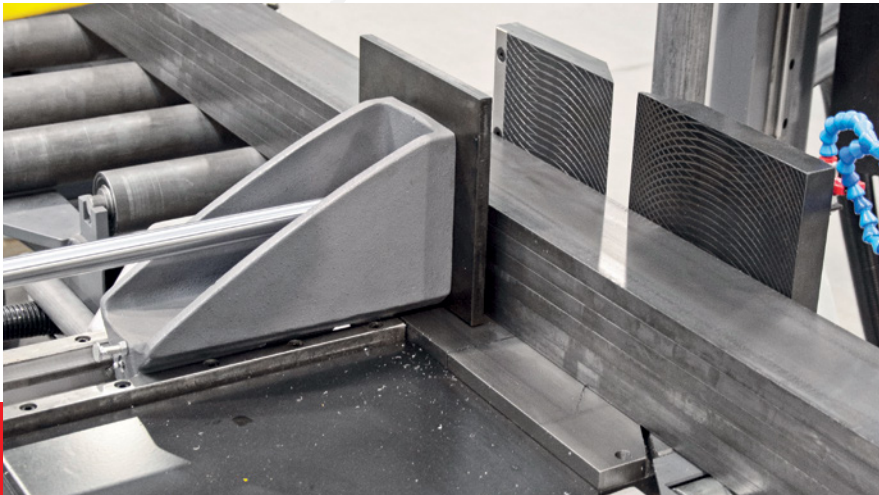
The machine

Individual machine is a double mitre semi-automatic twin column bandsaw with a bevel range of 60° on both sides. This large capacity machine features a continuous two-sided bevel cuts to 60°, integrated material rollers up to the saw machine's support tables and powered shavings brushes always synchronized to the saw band speed. Powered shavings brush always runs synchronized to the saw band speed. On both columns, the saw frame is mounted to high-precision, play-free linear guides. These guides guarantee maximally smooth operation and cutting precision. For bevel cuts, the support table swivels with the saw band. This ensures that the support table is never cut. The bevel clamp is right on the front of the pivoting console, thus allowing a simple, uncomplicated workflow. The control panel on Individual semi-automatic devices is laid out simply and clearly. The lighted display gives status and error messages in plain text.

The main details:

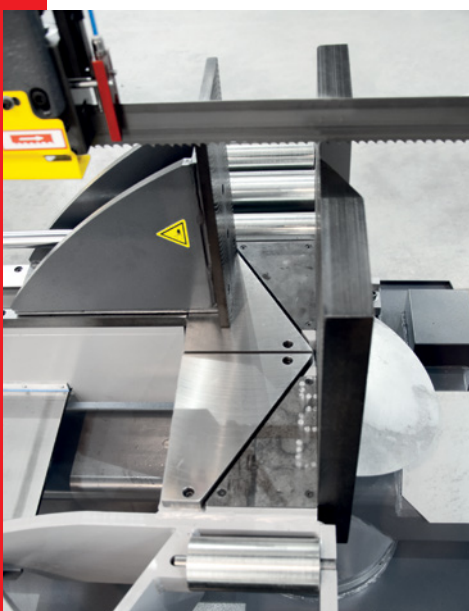
- Continuous two-sided bevel cuts to 60°
- Material tension always under 90° to the contact axis, even with bevel cuts
- Integrated material rollers up to the saw machine's support tables
- Large, precise V-guide block for the adjustable saw band guide arm
- Powered shavings brushes always synchronized to the saw band speed
- Large, easily visible bevel scale readable right from the pivoting console
- Vice with full-lift cylinder and special adjustable guide on hardened, ground rails
- Digital display of exact mitre angle
- Twin column design, saw bow supported on twin linear slides
- Hydraulic downfeed control with automatic cutting control
- Variable blade speed

Robust, flexible



The vice is guided on hardened, ground rails. The special design allows the slide rails to be readjusted at any time and the vice to be held play-free.

Powered shavings brush always runs synchronized to the saw band speed.



The arm feed to cut is led through the hydraulic cylinder. The arm is mounted on a linear guide.



Freely adjustable control panel. The control panel on Individual semi-automatic devices is laid out simply and clearly. The lighted display gives status and error messages in plain text.

For easier material handling, the saw's console is equipped with integrated rollers at the feed and release sides.



Individual 520.360 DGH	0°	360	520 x 360	360
Right	45°	360	360 x 325	350
Right	60°	240	235 x 325	235
Left	45°	360	365 x 350	350
Left	60°	255	255 x 340	255
Working mode	semiautomatic			
Saw band speed	20 - 120 m/min.			
Material loading height	770 mm			
Smallest sawing diameter	ø 5 mm			
Shortest length of cut-off piece	40 mm			
Saw band dimensions	4 780 x 34 x 1,1 mm			
Drive	3 kW, 3 x 400 V/ 50 Hz			
Machine dimensions	Length - 2 450 mm / Width - 2 350 mm Height - 2 100 mm / Weight - 1 400 kg			

Individual 620.460 DGH	0°	460	620 x 460	460
Right	45°	420	420 x 400	405
Right	60°	275	280 x 390	265
Left	45°	420	440 x 300	420
Left	60°	300	300 x 460	300
Working mode	semiautomatic			
Saw band speed	20 - 120 m/min.			
Material loading height	770 mm			
Smallest sawing diameter	ø 5 mm			
Shortest length of cut-off piece	40 mm			
Saw band dimensions	6 100 x 41 x 1,3 mm			
Drive	4 kW, 3 x 400 V/ 50 Hz			
Machine dimensions	Length - 3 000 mm / Width - 1 850 mm Height - 2 350 mm / Weight - 1 850 kg			



Individual 720.540 DGH	0°	540	720 x 540	540
Right	45°	500	510 x 410	470
Right	60°	350	350 x 200	310
Left	45°	515	520 x 325	510
Left	60°	355	355 x 450	350
Working mode	semiautomatic			
Saw band speed	20 - 120 m/min.			
Material loading height	810 mm			
Smallest sawing diameter	ø 10 mm			
Shortest length of cut-off piece	40 mm			
Saw band dimensions	6 660 x 54 x 1,3 mm			
Drive	4 kW, 3 x 400 V/ 50 Hz			
Machine dimensions	Length - 3 250 mm / Width - 2 000 mm Height - 2 420 mm / Weight - 2 100 kg			

Individual 820.640 DGH	0°	640	820 x 640	640
Right	45°	560	560 x 400	540
Right	60°	380	380 x 250	360
Left	45°	580	580 x 560	560
Left	60°	400	400 x 530	400
Working mode	semiautomatic			
Saw band speed	20 - 120 m/min.			
Material loading height	810 mm			
Smallest sawing diameter	ø 10 mm			
Shortest length of cut-off piece	40 mm			
Saw band dimensions	7 900 x 54 x 1,6 mm			
Drive	5,5 kW, 3 x 400 V/ 50 Hz			
Machine dimensions	Length - 3 750 mm / Width - 2 400 mm Height - 2 700 mm / Weight - 2 500 kg			

Accessories, material conveyors

Individual bandsaw is supplied with unrivalled equipment. With intelligent optional equipment and accessories, the machine may be adapted precisely to individual requirements. For handling with heavier materials the X series conveyors can be used. Thanks to their default length, roller tracks can be flexibly adjusted to any environment.



Innovative accessories / selection



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.



Laser liner

The laser unit copies the exact line in the saw band axis to the material. Laser Liner allows precise adjustment of the marked material.



Hydraulic blade tensioning

A powerful, large-dimension hydraulic cylinder is used for tensing the saw band. A pressure switch always keeps the band tension within the ideal range.



Digital angle indicator

Providing an accurate reading of the arm angles position on well readable digital display.



Vice pressure regulation

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



Workspace lighting

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



Hydraulic bundle clamping device

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



Third coolant supply

The third coolant supply is used for extra wide materials. The coolant supply is flexible and may be individually adjusted to the material shape.



Pistol for machine cleaning

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



Sample assembly

Individual 520.360 DGH

Conveyor X type - 6 meters length /input

Conveyor X type - 3 meters length /output

XRA manual length stop



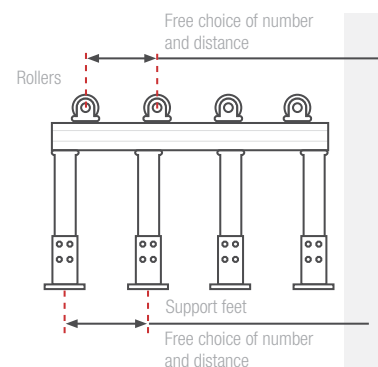
System X/XP / material conveyors

The X/XP handling systems provide extraordinary flexibility in material handling according to specific requirements and given conditions. The bearing capacity values and level of automation are flexibly adjustable and may be changed later as required. Apart from the roller track in normal and driven versions, the X/XP systems include a wide range of optional accessories, from vertical rollers to length measuring systems to transversal transport units and moving devices.

The versions available include accessories from a simple, manually operated measuring stop, to a digital measuring stop with manual resetting and highly efficient numerically controlled measuring stop with a sensitive disconnection when the end position is reached, allowing heavy materials to be cut precisely in connection with driven roller tracks.

High flexibility

With the System X and XP roller conveyors, the load capacity can be customized by the number of rollers and support feet used. The roller conveyor's feed profile even allows varying rollers and foot distances on the same roll conveyor unit. When it is necessary, additional rollers and/or support feet can be installed at any time.



XRA - manual length stop



XNCA - NC length stop



For more information about the machine and the possibility of extending it, please contact our sales department.

Ready for your projects

Already in development of each machine, we are thinking about its use in different conditions and in different productions. The Individual machine is ready to be a part of huge automatic lines for complete production processes. You can easily extend the machine and connect the special parts as a material loading and feeding systems. This is the way we can turn the production processes to the effective way.



Cross conveyor units

Easy way to handle material. In a trolley version, as a chain cross conveyor or as a slide unit with pushing fingers that can be used on both sides.



Operation security with SECURFLEX safety system

Personnel are the most valuable part of every business and must be protected in compliance with current safety criteria. The SECURFLEX safety system allows every device to be secured individually, depending on the environment and requirements.

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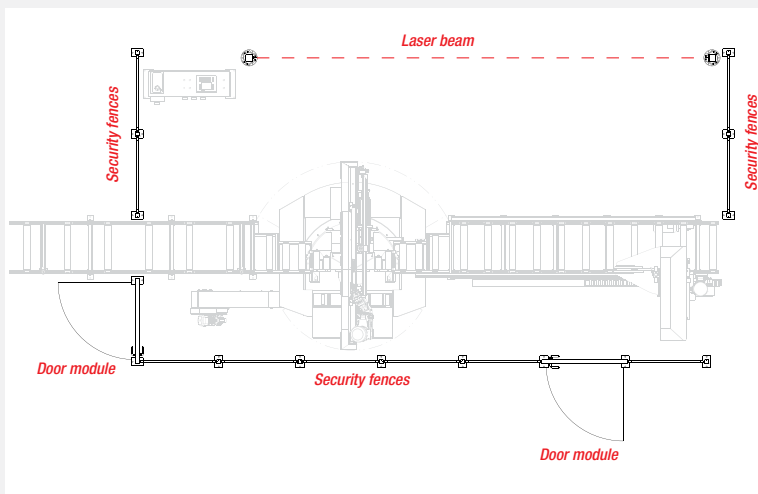
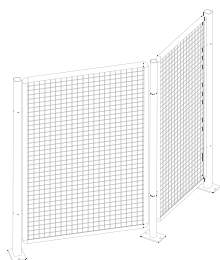


Sample assembly intended primarily for large plants. Accent is laid on full automation of the entire cutting process, from preparation and loading of material to the saw, sawing and moving to the unloading part of the sawing line.

securflex®

Simple flexibility

- Grids of various widths and 1,600 or 2,000 mm height.
- Doors in various widths made as swinging, sliding or double-wing.
- Maintenance units with an off-take hook and electronic lock.
- Laser light lock systems to extensive safety.
- Several safety sections possible!



The illustration shows a safety system comprising grille modules, door modules and laser light barriers adapted to an individual machine system.

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