

A system solution for frictionless material flow

The new X handling system offers unprecedented flexibility for tailoring a handling system to individual needs and conditions. Load capacities and automation levels can be adjusted with perfect flexibility and modified at a later time. Besides the roll conveyor in a regular and propelled version, the X system comprises a rich array of options, from vertical rollers, to length measuring systems all the way to cross conveyor units and shifting devices.

Band saw	Conveyor	Standard lengths
Individual 520.360 GANC	System X 550	2000 mm, 3000 mm
Individual 620.460 GANC	System X 650	2000 mm, 3000 mm
Individual 720.540 GANC LS	System X 750	2000 mm, 3000 mm
Individual 820.640 GANC LS	System X 850	2000 mm, 3000 mm



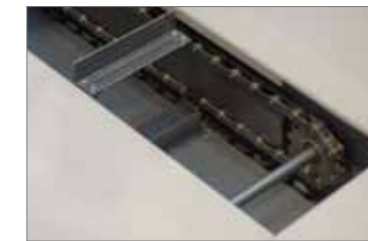
Intelligent option for Customization

The Individual series of semi-automatic devices comes standard with an incomparable range of equipment. With intelligent options and accessories, the machines can be customized in detail to individual requirements.



Bundle tensioning device

With an easily adjusted hydraulic cylinder, the bundle of material is tightened vertically.



Swarf conveyor

Grab conveyor is placed directly under cutting place.



Micro-Spray-System

A fine film of spray lubricant is spread from both sides onto the tooth tips, and onto the saw band clasps for better lubrication.



Hydraulic band tensioner

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.



LaserLiner

The laser projects the exact path of the saw band on the material.



Tenzomat

A precise measuring tool for monitoring the saw band tension when applying new saw bands.



Rinsing pistol for shavings

With its own efficient pump for rinsing accumulated shavings from support surfaces.



Digital bevel display

The digital bevel display is placed right on the bevel clamping lever for easy visibility. A precise magnet system provides definition of 0.1°.



Remote maintenance system

Over an Internet connection, status and error messages are transmitted to the factory and decrease downtime.



Clamping pressure regulation

A regulation screw is used to adjust the clamping pressure, and the maximum clamping force is shown on a manometer.



Band path monitor

The saw cut is permanently monitored, and signal is given if a programmable tolerance has been exceeded.



Work light

Halogen work light for bright working area. The light is mounted on flexible arm and can be adjusted individually.



Connection parts

Suitable connection parts are available for the roll conveyor system of each machine version.

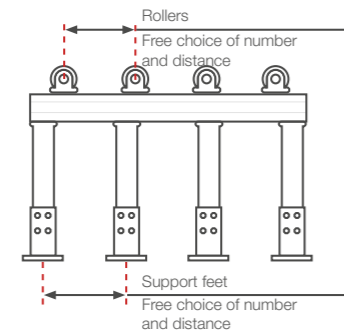


INDIVIDUAL GANC



Cross conveyor units

Easy on 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.



High flexibility

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



Length measuring systems

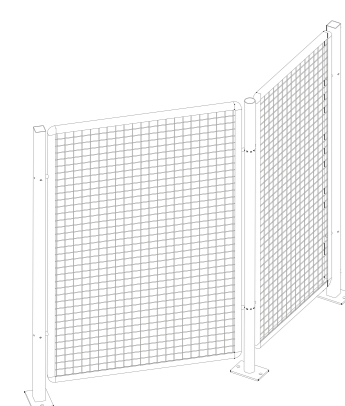
The handling program offers simple, precise length measuring systems in almost unlimited lengths for custom adjustment to your requirements. The versions range from a simple, completely manual measuring stop, to a digital measuring stop with hand wheel setting, all the way to a high-precision NC measuring stop with a sensitive limit switch for cutting heavy materials to exact length in coordination with propelled roll conveyors.

Length stop	Length adjustment	Length readout
System X-A	manual with Quick-Lock-System	Measuring scale
System X-DA	by hand wheel	Digital display
System X-NCA	Electromechanical	NC control

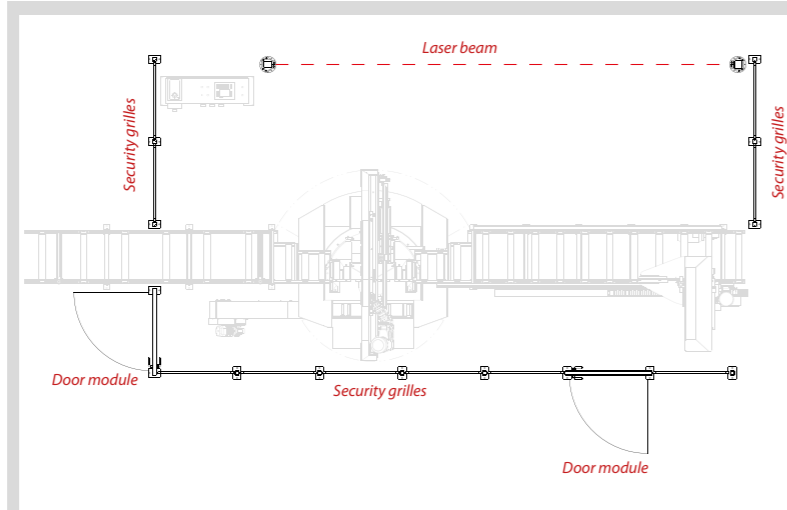
securflex®

Safety system

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



- 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!



A complex safety system for a fully automatic double mitring saw in compliance with valid EU machinery Directives.

Individual GANC – Futuristic control technology

Clear, simple operation without limiting the range of functions – those are the attributes of the controls used in Individual series automatic saw machines. Close collaboration with renowned manufacturers of control electronics has given rise to innovative operational designs that allow clear communication with the operator and the shortest possible learning curve.

At customer request, the controls can be connected over the Internet to the service unit at the factory. Error messages and malfunctions are promptly evaluated and downtimes considerably reduced.



High Performance in compact design

Modern technology, simple controls and small space requirements make the saw machine ideal for production operation. Continuous bevelling and the ability to saw up to 6,500 mm using multiple stroke lengths give these compact machines universal application.



No wear

For bevel cuts, the support table swivels with the saw band. This ensures that the support table is never cut.



Bevel clamp

The bevel clamp is right on the front of the pivoting console, thus allowing a simple, uncomplicated workflow.



Precision

Large guide shoes made of vibration-damping cast material in combination with carbide slideways and low-wear guide rollers make for precise cuts.



Non-stop

A non-stop roll conveyor up to the main clamping device allows full support for the materials and little wear.



Feed lengths up to 12,000 mm

The LongStroke design of Individual fully automatic machines is available in all sizes in the series. An innovative, modular feed system allows feed lengths up to 12,000 mm.



Clamping force

A large-dimensioned hydraulic full-lift cylinder sees to sufficient clamping force. The clamping jaws are doubly mounted on play-free linear guides.



The highest precision

The LongStroke design's feed units move along play-free pre-stressed linear guides for the whole length.



Load capable

For the entire length, the feed unit is equipped with a load-capable roll conveyor.

Long lengths cut automatically

- Precise carbide saw band guides
- Continuous band speed from 20 to 120 m/min using a frequency converter
- Feed lengths up to 12,000 mm with a maximum material weight of 3,000 kg
- Stable feed base with individually adjustable stand feet for exact setting of the feed unit
- Freely positionable control panel with complete control elements and a large graphic display
- Simple, intuitive operator guidance through programming and operating the saw machine.
- Fast, easy mitre swivels thanks to smooth pivoting console mounting

Overview of technical data – Individual GANC LongStroke

								Saw blade Dimension	Saw blade Speed	Saw blade Drive	Weight
Individual 520.360 GANC LongStroke	45°	0°	90°	Square	Circle	Hexagon	Grid	4780x34x1,1mm	20-120 m/min	3 kW	1300 kg
	60°	360mm	520x360mm	360x520 mm	360mm	250 mm	250 mm	500x300 mm			
	45°	360mm	355x325mm	360x315 mm	350mm						
	60°	250mm	325x235mm	360x215 mm	235mm						
Individual 620.460 GANC LongStroke	45°	0°	90°	Square	Circle	Hexagon	Grid	6100x41x1,3mm	20-120 m/min	4 kW	1800 kg
	60°	460mm	620x460mm	460x620 mm	460mm	350 mm	350 mm	600x400 mm			
	45°	420mm	420x400mm	460x400 mm	405mm						
	60°	275mm	390x280mm	460x265 mm	265mm						
Individual 720.540 GANC LongStroke	45°	0°	90°	Square	Circle	Hexagon	Grid	6640x54x1,3mm	20-120 m/min	4 kW	2000 kg
	60°	540mm	720x540mm	720x540 mm	540mm	450 mm	450 mm	700x500 mm			
	45°	500mm	510x410mm	470x540 mm	470mm						
	60°	350mm	350x420mm	310x540 mm	310mm						
Individual 820.640 GANC LongStroke	45°	0°	90°	Square	Circle	Hexagon	Grid	7880x54x1,3mm	20-120 m/min	5,5 kW	2300 kg
	60°	640mm	820x640mm	820x640 mm	540mm	500 mm	500 mm	800x600 mm			
	45°	550mm	500x300mm	480x640 mm	570mm						
	60°	380mm	380x310mm	305x640 mm	400mm						

Low space requirements despite complete equipment

- Freely positionable control panel
- Continuous band speed from 20 to 120 m/min using a frequency converter
- Feed lengths up to 750 mm with a maximum material weight of 2,500 kg
- Fed on precise, pre-stressed linear guides
- Feed movement provided by a hydraulic cylinder regulated by a proportional valve
- Clamping jaws guided by hardened, ground circular guides with ball bushings
- Extensive expansion possibilities with available options and accessories

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Top equipment for optimum productivity



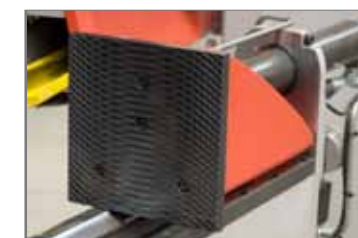
Synchronization

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



Precise and stable

On both columns, the saw frame is mounted to high-precision, play-free linear guides. These guides guarantee maximally smooth operation and cutting precision.



Play-free

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.



Saw band tensioner

Standard equipment includes a hydraulic band tension display, an electronic monitor for saw blade tension and saw band breakage, and more.



Full-lift cylinders

Generously sized full-lift cylinders allow vice operation right from the control panel.

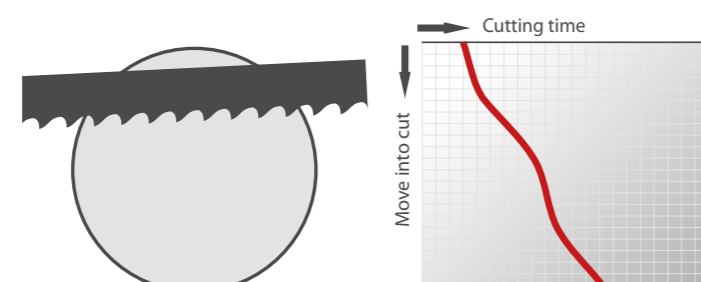
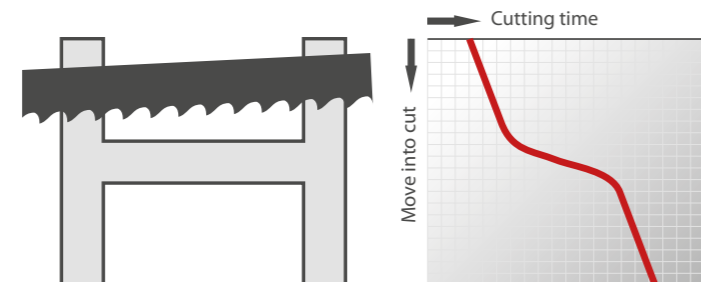


Certified Quality

All machines in Individual series are checked TÜV-Süd office and certified in conformity with actual machine directives.

ADFR The highest precision. Faster cut. Less wear.

The ADFR system regulates the interplay of the cutting pressure and the cutting feed automatically in real time. A sensor gives the current load on the saw band and regulates the cutting feed according to the shape of the material. For larger cross cuts to the material, the cutting channel lengthens and the saw band's load increases. If the cutting feed in these ranges is not automatically adjusted, the saw band's life drastically decreases or the cutting time significantly drops due to a lower feed.



Cutting feed and cutting pressure are set individually at the control panel. The selected cutting pressure is displayed on a manometer.