



A system solution for frictionless material flow

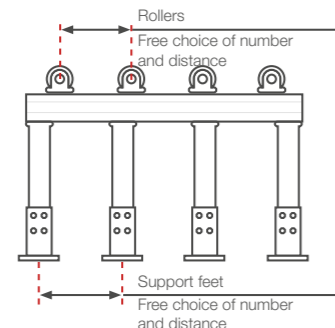
The new X handling system offers unprecedented flexibility for tailoring a handling system to individual needs and conditions. Load capacities and automation levels can be adjusted with perfect flexibility and modified at a later time. Besides the roll conveyor in a regular and propelled version, the 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 GH/DGH	System X 550	2000 mm, 3000 mm
Individual 620.460 GH/DGH	System X 650	2000 mm, 3000 mm
Individual 720.540 GH/DGH	System X 750	2000 mm, 3000 mm
Individual 820.640 GH/DGH	System X 850	2000 mm, 3000 mm



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

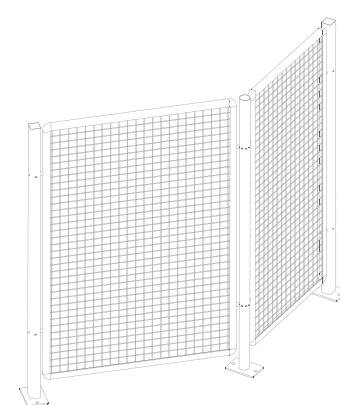
The handling program offers simple, precise length measuring systems in almost unlimited lengths for custom adjustment to your requirements. The versions range from a simple, completely manual measuring stop, to a digital measuring stop with hand wheel setting, all the way to a high-precision NC measuring 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

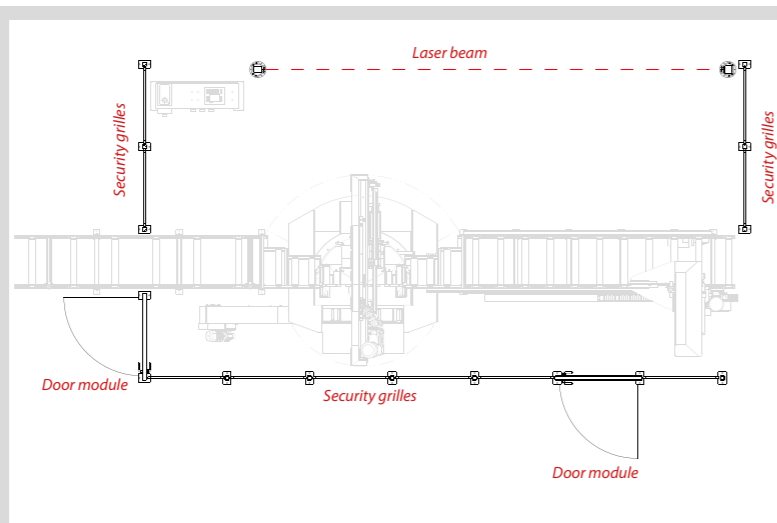
securflex®

Safety system

Personnel are their 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.

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.



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.



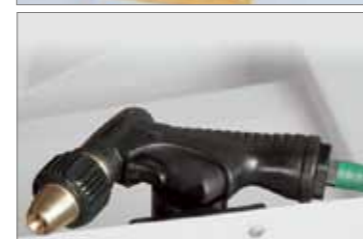
LaserLiner

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°.



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.



Bevel adjustment

Electromechanical bevel adjustment for DGH double bevel band saws. Adjustment expands control and decreases downtime.



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 SEMIAUTOMATIC



The universal solution, whatever your task

The Individual series offers a universal, flexible solution for a broad spectrum of job requirements. The very stable saw design in combination with premium components, such as linear guides, allows high-performance cutting. Bevel cuts up to 60° and the large cutting range cover the requirements for steel construction.



Continuous bevel cuts to 60°

The GH line offers stable saw machines for universal application and demanding requirements. Simple, uncomplicated bevel cuts to 60° and a solid, low-vibration design allow broad 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.



60° two-sided double bevel

The DGH line's main attributes are two-sided bevel cuts continuously adjustable to 60°, easy operation, and a large cutting range even at acute angles.

Material rollers

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

90° tensioning bracket

For bevel cuts, the vice is shifted along the contact axis and always tenses the material at a 90° angle.

Top equipment for optimum productivity



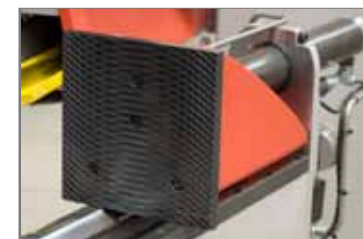
Synchronization

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.



Simple. Clear. Easy to use

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.



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.

- Precise carbide saw band guides
- Continuous band speed from 20 to 120 m/min using a frequency converter
- Complete, integrated coolant device with double feed before and after the cutting channel
- Large, easily visible bevel scale with indicator right from the pivoting console
- Freely positionable control panel
- Removable large-capacity shaving collector with integrated draining sieve
- Fast, easy mitre swivels thanks to smooth pivoting console mounting

Overview of technical data – Individual GH

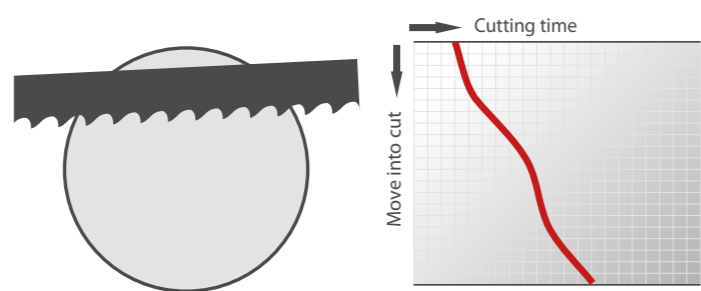
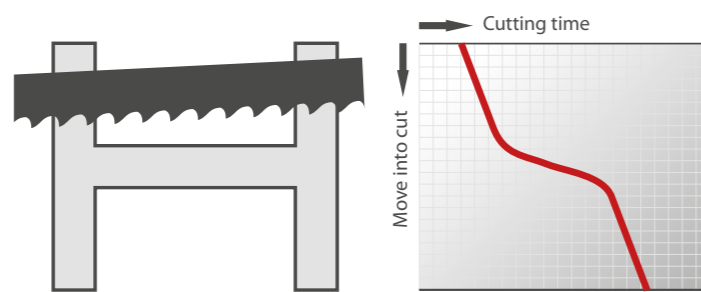
								Saw blade Dimension	Saw blade Speed	Saw blade Drive	Weight	
Individual 520.360 GH	0°	360 mm	520x360 mm	360x520 mm	360 mm	250 mm	250 mm	500x300 mm	4780x34x1,1 mm	20-120 m/min	3 kW	1300 kg
	45°	360 mm	355x325 mm	360x315 mm	350 mm							
	60°	250 mm	325x235 mm	360x215 mm	235 mm							
Individual 620.460 GH	0°	460 mm	620x460 mm	460x620 mm	460 mm	350 mm	350 mm	600x400 mm	6100x41x1,3 mm	20-120 m/min	4 kW	1800 kg
	45°	420 mm	420x400 mm	460x400 mm	405 mm							
	60°	275 mm	390x280 mm	460x265 mm	265 mm							
Individual 720.540 GH	0°	540 mm	720x540 mm	720x540 mm	540 mm	450 mm	450 mm	700x500 mm	6640x54x1,3 mm	20-120 m/min	4 kW	2000 kg
	45°	500 mm	510x410 mm	470x540 mm	470 mm							
	60°	350 mm	350x420 mm	310x540 mm	310 mm							
Individual 820.640 GH	0°	640 mm	820x640 mm	820x640 mm	640 mm	500 mm	500 mm	800x600 mm	7880x54x1,3 mm	20-120 m/min	5,5 kW	2300 kg
	45°	550 mm	500x300 mm	480x640 mm	570 mm							
	60°	380 mm	380x310 mm	305x640 mm	400 mm							

Overview of technical data – Individual DGH

								Saw blade Dimension	Saw blade Speed	Saw blade Drive	Weight	
Individual 520.360 DGH	0°	360 mm	520x360 mm	360x520 mm	360 mm	250 mm	250 mm	500x300 mm	4780x34x1,1 mm	20-120 m/min	3 kW	1300 kg
	right 45°	360 mm	360x325 mm	360x310 mm	350 mm							
	right 60°	240 mm	325x235 mm	360x190 mm	240 mm							
	left 45°	360 mm	365x350 mm	360x320 mm	320 mm							
	left 60°	255 mm	250x340 mm	360x200 mm	250 mm							
Individual 620.460 DGH	0°	460 mm	620x460 mm	460x620 mm	460 mm	350 mm	350 mm	600x400 mm	6100x41x1,3 mm	20-120 m/min	4 kW	1800 kg
	right 45°	420 mm	420x400 mm	460x400 mm	405 mm							
	right 60°	275 mm	280x390 mm	460x265 mm	300 mm							
	left 45°	420 mm	440x300 mm	460x410 mm	420 mm							
	left 60°	300 mm	300x460 mm	460x300 mm	300 mm							
Individual 720.540 DGH	0°	540 mm	720x540 mm	540x720 mm	540 mm	450 mm	450 mm	700x500 mm	6640x54x1,3 mm	20-120 m/min	4 kW	2000 kg
	right 45°	500 mm	510x410 mm	540x470 mm	470 mm							
	right 60°	350 mm	350x420 mm	540x310 mm	310 mm							
	left 45°	515 mm	520x325 mm	540x475 mm	510 mm							
	left 60°	355 mm	355x330 mm	540x320 mm	320 mm							
Individual 820.640 DGH	0°	640 mm	820x640 mm	640x820 mm	640 mm	500 mm	500 mm	800x600 mm	7880x54x1,3 mm	20-120 m/min	5,5 kW	2300 kg
	right 45°	550 mm	560x300 mm	640x480 mm	550 mm							
	right 60°	380 mm	380x310 mm	640x305 mm	360 mm							
	left 45°	580 mm	580x520 mm	640x540 mm	560 mm							
	left 60°	400 mm	405x450 mm	370x640 mm	400 mm							

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.