



***Extend***

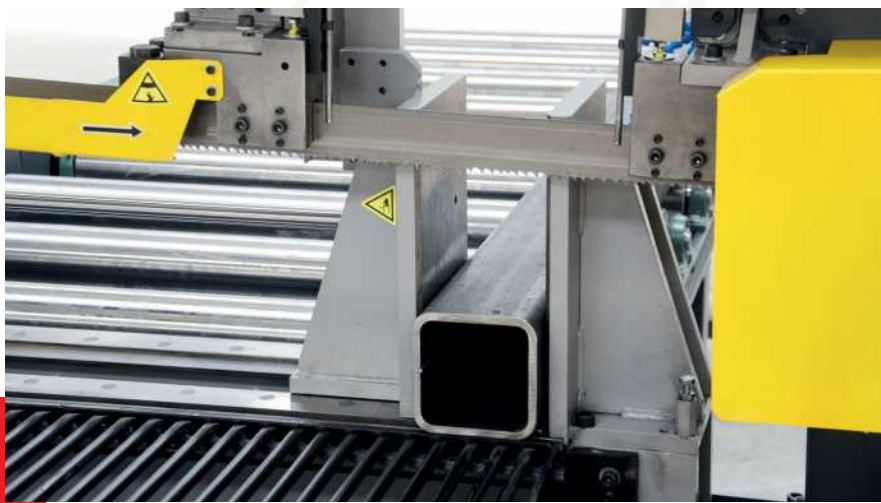
## Extend

The universal semiautomatic band saw of a double-column construction, designed for cutting both full and profile materials at 90° angles. 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 sturdy saw band and lastly, a synchronous running brush for chips disposal. The pedestal, frame and pillars in all of the Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibration. 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. Material clamping is performed by a full stroke vice. The machine is equipped with a frequency converter that allows the saw band's optimal speed to be set against the processed material within the 15–90 m/min range; this significantly increases both the saw band lifetime and the machine's productivity. The standard equipment also includes automatic downfeed pressure regulation dependent on the resistance of the processed material, and continuously adjustable arm downfeed. The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm need not be tilted at all (0°) for processing full material.

In connection with the feeding system, the saw may be extended to a fully automatic device.

## Robust, leistungsstark



Freely adjustable control panel.








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

Hard-metal guidance of the saw band ensure high cutting accuracy.



## Efficient

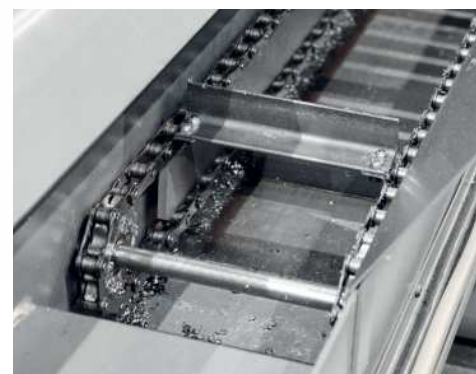
### Technical specifications

								Saw band dimensions	Saw band speed
Extend 700.520	0°	520	700x520	520	400	400	—	6640x41x1,3 mm	15-90 m/min
Extend 800.620	0°	620	800x620	620	400	400	—	7300x41x1,3 mm	15-90 m/min
Extend 900.720	0°	720	900x720	720	550	550	—	8560x54x1,6 mm	15-90 m/min
Extend 1000.820	0°	820	1000x820	820	550	550	—	9280x54(67)x1,6 mm	15-90 m/min
Extend 1120.1120	0°	1120	1120x1120	1120	700	700	—	11120x67x1,6 mm	15-90 m/min
Extend 1320.1320	0°	1320	1320x1320	1320	700	700	—	12150x67x1,6 mm	15-90 m/min
Extend 1520.1520	0°	1520	1520x1520	1520	-	-	-	11200x80x1,6 mm	15-90 m/min
Extend 2020.2020	0°	2020	2020x2020	2020	-	-	-	13200x80x1,6 mm	15-90 m/min



## Accessories, material conveyors

Extend bandsaw is supplied with unrivalled equipment. With intelligent optional equipment and accessories, the machine may be adapted precisely to individual requirements. With a wide range of accessories and connection pieces to BOMAR bandsaws, the handling X and XP System is an ideal partner for handling material in your workshop. Thanks to their default length, roller tracks may be easily adjusted to any environment.



### Innovative 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.



#### 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 saw band tensioning

A powerful, well dimensioned hydraulic cylinder is used to tension the saw band. By means of a pressure switch, it is ensured that the saw band tension is always within the ideal range.



#### Saw arm downfeed indicator

Allows easy and accurate reading of the current band saw arm downfeed speed.



#### Clamping pressure regulation

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



#### 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.



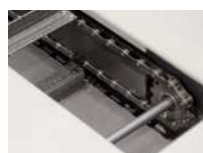
#### Third coolant supply

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.



#### Swarf removal system

Swarf extractor with grabs for an integrated system of collection in Proline machines. The saw is prepared for the chip remover installation, which may be Plug-and-Play connected.

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



#### ***Sample assembly***

Extend bandsaw  
Driven roller conveyors XP  
Vertical steel rollers

## **System X, XP / Handling system**

The new X/XP 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. 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.



**NC controlled length stop**



**Roller conveyors**