

## Handling System T – an ideal completion of the Proline series

The System T offers medium-weight roller conveyor with a wide program for individualization and matching to your requirements that was developed specially for Workline and Proline series.



### Solid construction

A fixed frame and load-dependent seating cylinder with diameter of 70 mm creates a massive basis for the System T roller conveyor. The screw openings for accessories and supplements enable a back fitting with the vertical rollers, measuring stops or preparative feet for the material.

Conveyor	Roller width	Length	Roller d.	max. kg/m
T 440	440mm	2000/3000 mm	Ø 70 mm	600 kg/m
T 540	540mm	2000/3000 mm	Ø 70 mm	600 kg/m
T 640	640mm	2000/3000 mm	Ø 70 mm	600 kg/m



### Measuring stops System T

Next to the wide program for roller conveyors inclusive accessories the System T offers measuring stops in various designs. Their operation is purely by hand as far as to CNC control.

## Handling System X – for heavy feed

High flexible handling solutions for heavy feed. Thanks to the unique profile system can be the System X roller conveyors individually adjusted to customer wishes any time, the load-bearing increases or if you like the roller distances changes. The accessories and bodywork parts high volume program integrates the System X spectrum.



### Highly flexible system

Thanks to innovative profile system of roller conveyors System X and XP, we have achieved outstanding flexibility. These conveyors are already ready for serial production and are expandable for additional rollers and legs. Accessories such as vertical rollers, etc. can be applied additionally and without large costs.

Conveyor	Roller width	Length	Roller d.	max. kg/m
X 450	450 mm	2000/3000 mm	Ø 70 mm	600 kg/m
X 550	550 mm	2000/3000 mm	Ø 70 mm	600 kg/m
X 650	650 mm	2000/3000 mm	Ø 70 mm	600 kg/m



### Advanced devices for System X

Measuring length stops with the manual, digital and CNC control system as well as cross conveyor and feeder units provide wide range of individualisation options. Handling system can be customized for specific requirements.



Proline 320.280 ANC  
Proline 420.350 ANC  
Proline 520.450 ANC



# PROLINE AUTOMATIC



## Automatic machine for any use

The Proline series automatic machines are drawn for the use in the manufacture without compromises. With an adequate CNC control and Visual Dialog management system can the Proline machines be simple operated and they convince by well-made kerf.

### Equipment like an argument

- Shift length 600 mm, total shift up to 9999 mm
- A divided main clamping device for short residual lengths and an ideal material clamping
- A cylinder with hydraulic lift for feeding and the main clamping device
- A continuous increasing band speed by the frequency converter from 20 as to 120 m/min
- The automatic regulation of the sawing pressure, for the material form and quality to be adjusted
- A metal chip brush, synchronous driven with the band-saw blade
- Visual dialog management system with great display and membrane switch
- A free placeable console with all service elements on the saw's front



### Overview of technical data

								Saw blade, Dimension	Saw blade, Speed	Saw blade, Drive	Weight	
Proline 320.280 ANC	0°	280 mm	320x280 mm	320x280 mm	280 mm	150 mm	150 mm	300x140 mm	3800x27x0,9 mm	20-120 m/min	2,2 kW	1000 kg
Proline 420.350 ANC	0°	350 mm	510x350 mm	420x350 mm	350 mm	250 mm	250 mm	400x175 mm	4780x34x1,1 mm	20-120 m/min	3 kW	1200 kg
Proline 520.450 ANC	0°	450 mm	520x450 mm	520x450 mm	450 mm	350 mm	350 mm	500x225 mm	6020x41x1,3 mm	20-120 m/min	4 kW	1600 kg

### When you need more cutting power

Proline 320.280 Asx	0°	280 mm	320x280 mm	320x280 mm	280 mm	150 mm	150 mm	300x140 mm	4580x34x1,1 mm	20-120 m/min	4 kW	1000 kg
Proline 420.350 Asx	0°	350 mm	510x350 mm	420x350 mm	350 mm	250 mm	250 mm	400x175 mm	4780x34x1,1 mm	20-120 m/min	5,5 kW	1200 kg
Proline 520.450 Asx	0°	450 mm	520x450 mm	520x450 mm	450 mm	350 mm	350 mm	500x225 mm	6020x41x1,3 mm	20-120 m/min	7,5 kW	1600 kg



#### Length of short rest pieces

The main clamping device jigs forward and behind the band-saw blade. Chucking jaws are provided with hardened ribbon inlays enabling a rest length 70 mm



#### Simple service

The Proline saws are equipped with the operating variant Visual Dialog enabling to tender the machine by holding a dialog with clear information in form of clear text.



#### Chucking power

A great sized chucking cylinder on the main clamping device and shift vice provide sufficient chucking power, a rifled clamping surface a good clamping again.



#### Precise band guidance

The accurate guide with hard metallic plates and the own shift of saw-blade provide precise sawing results.



#### Synchronic

A metal chips brush with a synchronous driven running according to the band-speed provides an ideal cleaning effect



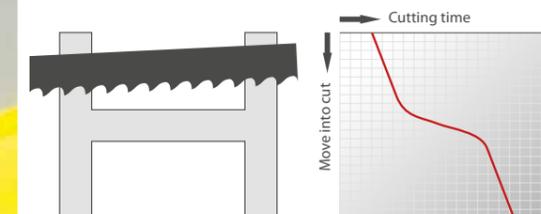
#### Slipway for drive-away

The Proline saws are serial equipped with a carrying slipway with draining mesh screen.



### ADFR – high accuracy system. Fast sawing. Very low wear.

The ADFR automatic system regulates the interplay of the cutting pressure of kerf feeding in real time. The actual load of the band-saw blade is sensor scanned and the kerf feeding regulated according to the material form. By more sized material cross sections is the kerf channel made longer and the loading of the band-saw blade is increasing. If the kerf feed doesn't adapt in these sections automatically, it happens drastically to reduce the stop-time/running life of the band-saw blade or the sawing time is slowing down through lesser feeding.



#### ADFR – part of the series

The Proline series sawing machine are serial equipped with the ADFR system.

### Accessories with innovation



#### ESA-System

The ESA system enables quick single kerfs on automatic machines. The material will be put in, through the console there will be entered the section lengths of the cut pieces and the saw makes the kerf thanks to laser detection automatically.



#### PCC-Sensor

The PCC-Sensor supervises the sawing procedure permanently. By certain entered system-values overrun the automatically cycle will be broken and warning signal will be made.



#### Metal chips conveyer

The metal chips conveyer with the clamshell bottom for the Proline machines integrated scanning system. The saw is ready for the metal conveyer operation and can be connected Plug-and-Play.



#### Micro-Spray-System

A micro-spray unit applies a lubricating film on tips of teeth and feedings of band-saw blades for ideal sawing of tubing and profiles.



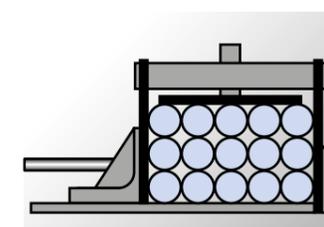
#### Rinsing gun for metal chips

The rinsing gun for metal chips acts for fast and simple clearing of the machine from metal chips and cross.



#### Band tension gauge

A sensible and accurate band tension gauge TENZOMAT is providing control on the band-saw blade tension during a tool change.



#### Pre-tensioning bundles adjustment

An adjustment of the pre-tensioning bundles enables a position and bundles tensioning by an additional vertical clamping unit.

Machine	Max. clamping area
Proline 320.280 ANC	300x150 mm
Proline 420.350 ANC	400x180 mm
Proline 520.450 ANC	500x240 mm



#### Clamping pressure regulation

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



#### Band tension signaling

A band tension signaling enables a permanent check of the band-saw blade tension in the course of running too.



#### 3rd coolant line

For extra wide pieces of materials there is used the 3rd inlet of a coolant line. The coolant line is flexible and it can be adjusted according to the material form.



#### Halogen work light

The whole operational section is pleasantly lighted by a strong halogen light.