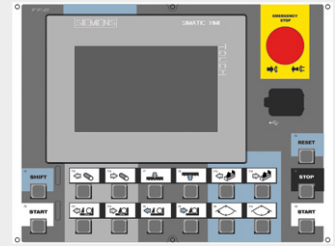


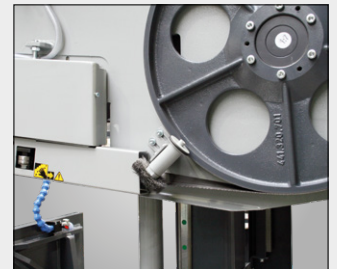


## HMBS 340 CNC-DG-X – Fully automatic two-column horizontal metal band saw with ARP system for mitre cuts from +60° to -45° and material feed with a length of 1000 mm

- ▶ Designed for industrial use
  - ▶ Extremely stable and robust construction
  - ▶ Saw band drive via low-maintenance, oil-lubricated worm gear
  - ▶ With SIEMENS Simatic control system and SIEMENS electrics
  - ▶ Operation via modern and powerful Siemens HMI multi-touch panels
  - ▶ Control of material and saw feed via ball screws
  - ▶ Robust three-phase motor equipped with overload protection
  - ▶ Comes standard with a frequency converter for stepless adjustment of the saw band speed from 20–100 m/min
- ▶ Saw blade guide with adjustable carbide plates for a precise cut
  - ▶ Hydraulic belt tensioning device
  - ▶ Saw arm can be swivelled from -45 to +60 degrees
  - ▶ Fully automatic mitre adjustment on both sides
  - ▶ Swivelling control panel
  - ▶ Chip clearing brush for optimum cleaning and maintenance of the saw band
  - ▶ 64-bit control system
  - ▶ Automatic material feed of 970 mm
  - ▶ Vice pressure reducer



**!** A detailed explanation of the controls can be found from page 74 onwards



Powered chip removal brush for cleaning and maintaining the saw blade

**!** We would be pleased to produce sample cuts for your material. Enquire with us.

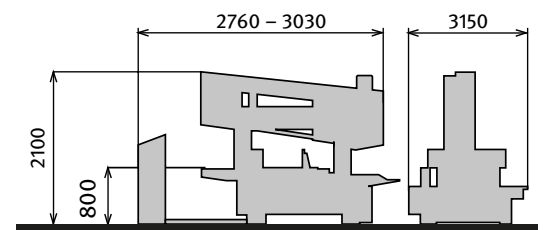
Automatic



### Scope of delivery:

- › Saw band
- › Coolant pump
- › Operating tool
- › Workplace lighting
- › Safety light barrier

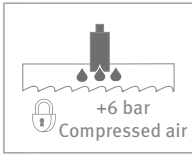
<b>Model</b>	<b>HMBS 340 CNC-DG-X</b>
Art. no.	3691341
<b>Technical data</b>	
Speed levels	Continuously variable
Saw band speeds	20 - 100 m/min
Saw band dimensions	4780 x 34 x 1.1 mm
Table height Material feed	800 mm
Minimum material diameter.	30 mm
Remnant workpiece length min.	100 mm
Minimum remaining workpiece length CNC operation	310 mm
Remaining workpiece length min. 30°	310 mm
Remaining workpiece length min. 45°	750 mm
Motor power ~50 Hz	3.0 kW / 400 V
Dimensions (L x W x H) approx.	3030 x 3150 x 2100 mm
Weight approx.	2150 kg



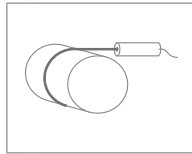
### Clamping range

mm	45°	0°	45°	60°	
	350	350	350	230	x
	350	350	350	230	x
	350 x 340	500 x 340	380 x 340	220 x 340	500 x 180

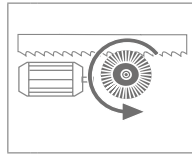
3640010



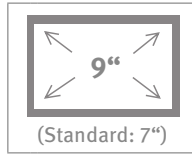
3640011



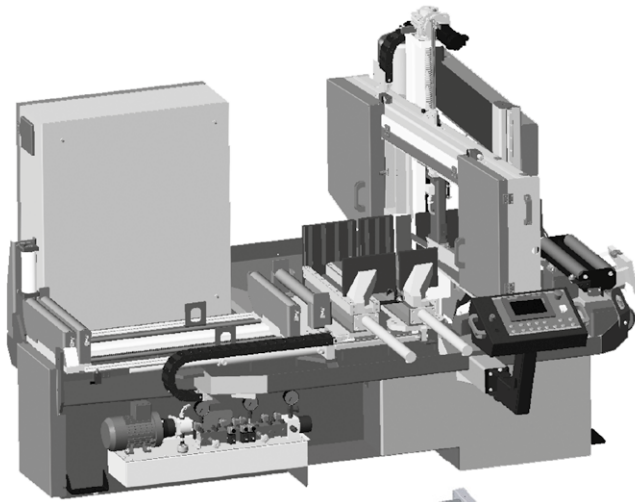
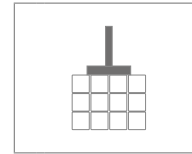
3649709



3640902



3649719



3649720

3649311

3649321

3649341

3649320

3649330

3640065

3640063

3640062

3649329

3649328

Optional accessories (only available ex works)	Art. no.
Control display size 9' instead of 7'	3640902
Hydraulic bundle clamping device	3649719
motor-driven chip brush	3649709
Micro spray system	3640010
intersection laser	3640011
<b>Accessory</b>	
Annual licence for external machine programming	3640240
Interface for remote maintenance	3640241
Workpiece container	3640062
Chip container	3640063
Travelling device for chip container and workpiece containers	3640065
BIOCUT cutting oil, 5 litres. Micro-metering device	3608020
<b>Roller conveyors (lightweight design 250 kg/m)</b>	
Roller conveyor 2000 x 520 mm (6 rollers)	3649340
Roller conveyor 2000 x 520 mm (10 rollers)	3649341

Roller conveyors (heavy-duty design, static support load max. 2100 kg/m)	Art. no.
Roller conveyor 1000 x 520 mm	3649320
Roller conveyor 2000 x 520 mm	3649321
<b>Accessories Roller conveyors, heavy-duty design</b>	
Side guide roller	3649328
height-adjustable roller 700 kg/m	3649330
Additional roller 520 mm	3649311
<b>Saw bands 4780 x 34 x 1.1 mm</b>	
2-3 tpi Sprint Plus M42	3655400
3-4 tpi Sprint Plus M42	3655401
5-8 tpi Sprint M42	3655403
3-4 tpi X-FIT (VPE=5) M42	3655825
4-6 tpi X-FIT (VPE=5) M42	3655826
3-4 tpi M51-X-PRO (VPE=5) M51	3659980
4-6 tpi M51-X-PRO (VPE=5) M51	3659981

! When ordering a roller conveyor, always specify whether it is required as an infeed or outfeed roller conveyor

More saw bands and information at **Seite 146**



## HMBS 300 x 300 CNC X – Fully automatic two-column horizontal metal band saw with ARP system for heavy-duty industrial use

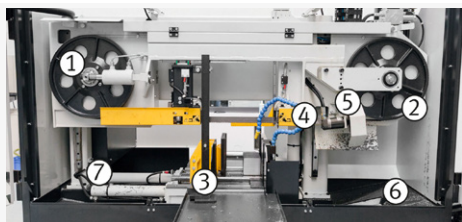
- ▶ For sawing profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic, for example
- ▶ Compact design with minimal distance between the saw arm guide and clamping block for low-vibration operation
- ▶ Saw arm with position measuring sensor to determine the position above the workpiece and an additional lower end position sensor
- ▶ Sägebandführung mit einstellbaren Hartmetallplatten für einen präzisen Schnitt
- ▶ Robuste Sägebandführung auf Linearführung gelagert
- ▶ Front band guide moves parallel to the moving vice jaw - thus more stable saw band guide
- ▶ Stufenlose Einstellung der Sägebandgeschwindigkeit von 20 – 100 m/min
- ▶ Cutting probe function with integrated probe
- ▶ Mit Frequenzumrichter zur stufenlosen Einstellung der Sägebandgeschwindigkeit
- ▶ Operation via modern and powerful Siemens HMI multi-touch panels
- ▶ Chip clearing brush for optimum cleaning and maintenance of the saw band
- ▶ Automatic belt guide adjustment
- ▶ Hydraulic belt tensioning device
- ▶ Vice pressure reducer



**!** A detailed explanation of the controls can be found from page 74 onwards

**!** We would be pleased to produce sample cuts for your material. Enquire with us.

### Automatic



- 1 Hydraulic twin-cylinder belt tensioning**  
Saw blade is relieved when stationary
- 2 Double-guided saw blade guide wheel**  
Smoother cutting action and less maintenance work due to bearing wear
- 3 Two-part clamping block**  
Less degree formation
- 4 Flushing of the incision channel**  
Increases the service life of the saw blade
- 5 Hydraulically driven chip removal brush**  
Increased service life of the saw blade
- 6 Chip conveyor**  
Does not need to be stopped, even in Shift operation possible
- 7 long-stroke cylinder**  
Shorter set-up times

Your benefit

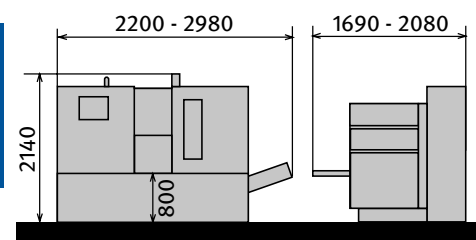


## ASK FOR YOUR PERSONALISED OFFER!

<b>Model</b>	<b>HMBS 300 x 300 CNC X</b>
Art. no.	3690098
<b>Technical data</b>	
Speed levels	Continuously variable
Saw band speeds	20 - 100 m/min
Table height Material feed	800 mm
Minimum section length	10 mm
Material diameter min.	30 mm
Remnant length during a cut	50 mm
Remnant length in CNC operation (90°)	120 mm
Material feed max. with 1 x feed	505 mm
Minimaler Materialvorschub	5 mm
Maximale Vorschublänge	9999 mm
Saw band dimensions	4520 x 34 x 1.1 mm
Motor power ~50 Hz	3.0 kW / 400 V
Dimensions (L x W x H) approx.	2980 x 2080 x 2140 mm
Weight approx.	1420 kg

### Scope of delivery:

- › Saw band
- › Operating tool
- › Chip conveyor
- › Workplace lighting
- › Coolant pump



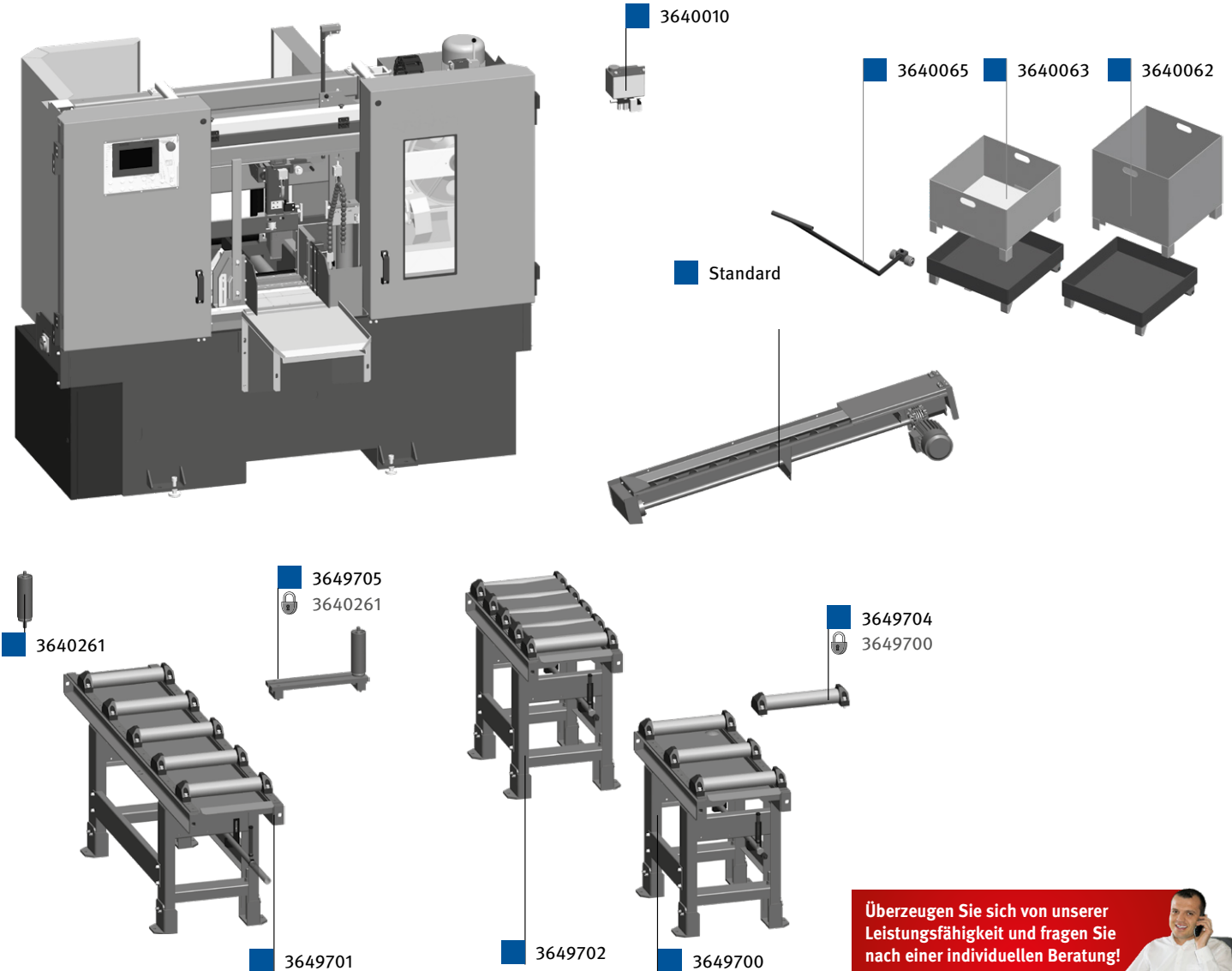
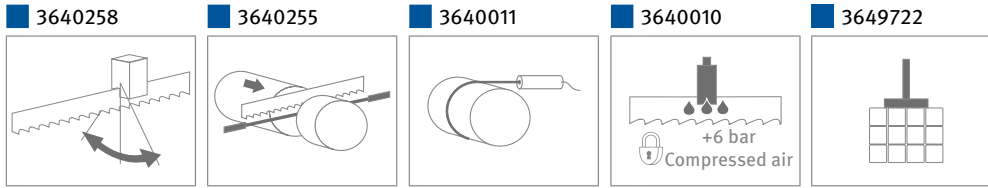
### Info & Video



### Clamping ranges HMBS 300 x 300

mm	0°	
	300	X
	300	X
	300 x 300	300 x 220

(2) recommended values



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Optional accessories (only available ex works)	Art. no.
Hydraulic bundle clamping device	3649722
Intersection laser	3640011
Micro spray system	3640010
Material start detection	3640255
Cutting process control	3640258
<b>Accessory</b>	
Annual licence for external machine programming	3640240
Interface for remote maintenance	3640241
Workpiece container	3640062
Chip container	3640063
Travelling device for chip container and workpiece containers	3640065
BIOCUT cutting oil 5 litres	3608020

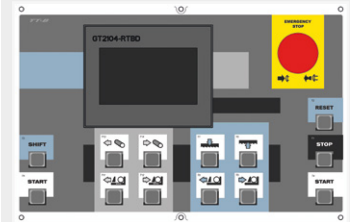
Roller conveyors incl. legs and connecting adapter	Art. no.
1000 x 350 mm	3649700
2000 x 350 mm	3649701
Connecting roller conveyor, discharge side	
1000 x 350 mm with cover plates between the rollers	3649702
<b>Roller conveyor accessories</b>	
Side guide roller, movable for roller conveyors	3649705
Side guide roller, rigid	3640261
Additional roller 350 mm	3649704
<b>M51-X-PRO saw bands 4520 x 34 x 1.1 mm</b>	
3-4 tpi M51-X-PRO (PU=5)	3659990
4-6 tpi M51-X-PRO (PU=5)	3659991



## HMBS 400 PP -

### Fully automatic two-column horizontal metal - band saw

- ▶ For sawing profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic, for example
- ▶ Robust band guides with adjustable carbide plates for a precise cut
- ▶ Robust upper saw blade guide thanks to linear guide
- ▶ Saw blade inclined by 7°
- ▶ Automatic belt guide adjustment
- ▶ Cutting probe function with integrated probe
- ▶ With frequency converter for stepless adjustment of the saw blade speed
- ▶ Doors open sideways, making it easier to change the saw band
- ▶ Material is tensioned before and after cutting
- ▶ Additional hydraulic cutting pressure regulation
- ▶ Automatic belt guide adjustment
- ▶ Hydraulic cutting pressure regulation
- ▶ Material feed 490 mm
- ▶ Hydraulic belt tensioning device
- ▶ Mechanically driven chip brush
- ▶ Stufenlose Einstellung der Sägebandgeschwindigkeit von 20 – 100 m/min



**!** A detailed explanation of the controls can be found from page 74 onwards

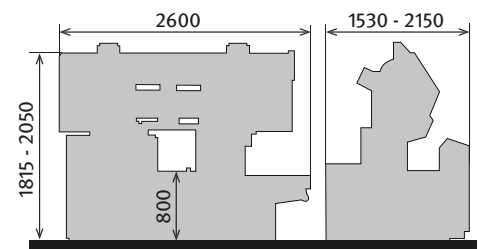
**We would be pleased to produce sample cuts for your material. Enquire with us.**

Automatic



**ASK FOR YOUR PERSONALISED OFFER!**

<b>Model</b>	<b>HMBS 400 CNC</b>
Art. no.	3690161
<b>Technical data</b>	
Speed levels	Continuously variable
Saw band speeds	20 - 100 m/min
Saw band dimensions	4520 x 34 x 1.1
Table height Material feed	800 mm
Minimum section length	10 mm
Material diameter min.	30 mm
Remnant length in HA operation	50 mm
Remnant length in CNC operation (90°)	120 mm
Minimale Materialvorschub	3 mm
feed length	490 mm
Maximale Vorschublänge	9999 mm
Motor power ~50 Hz	3.0 kW / 400 V
Dimensions (L x W x H) approx.	2600 x 2150 x 2050 mm
Weight approx.	1300 kg



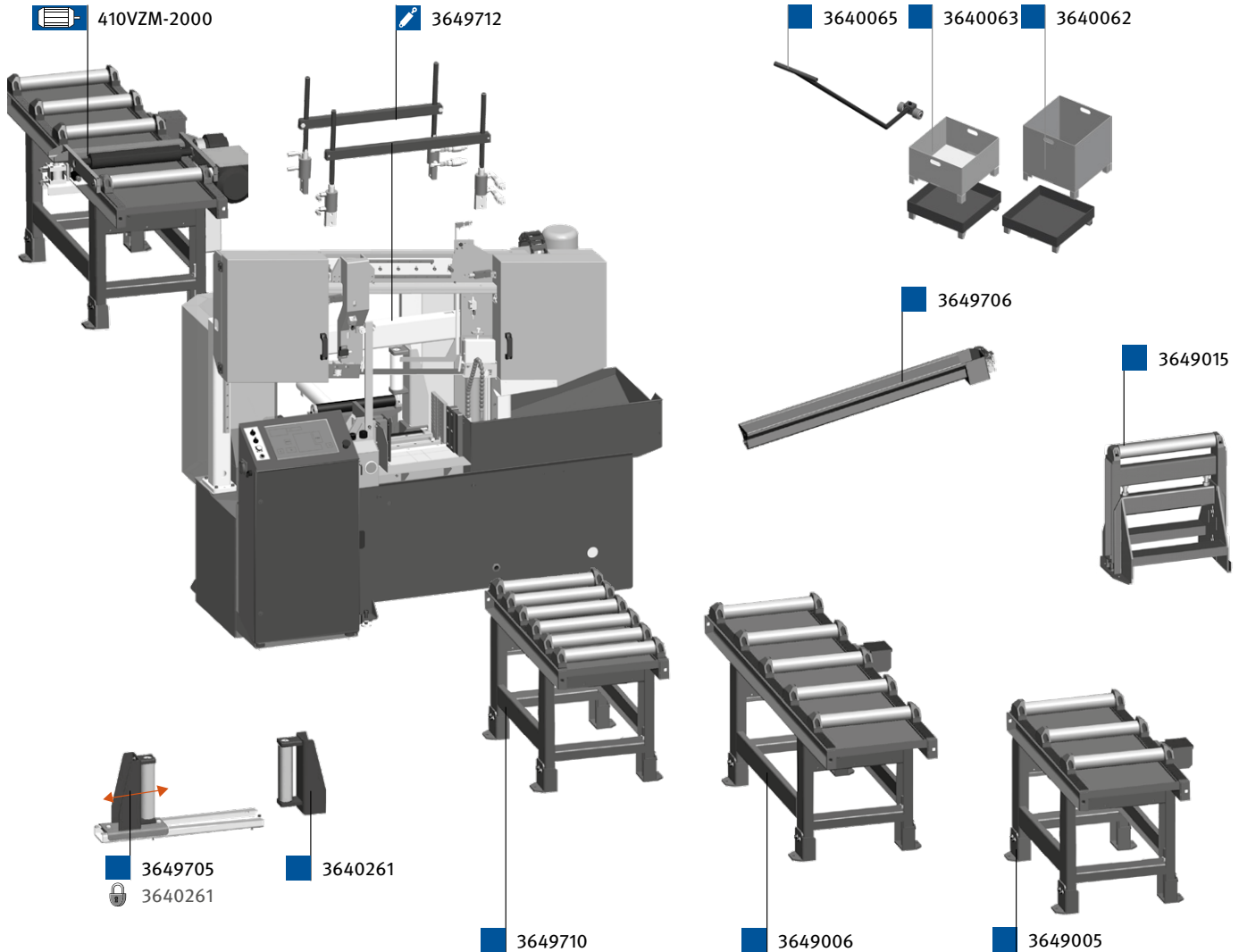
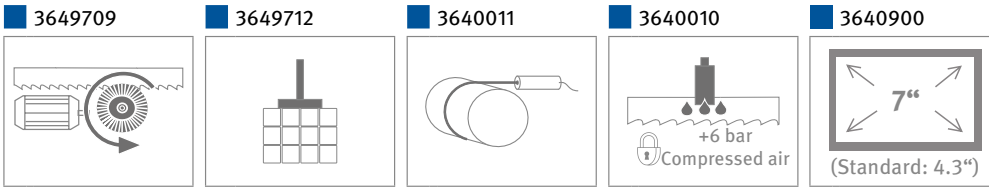
#### Scope of delivery:

- › Workplace lighting
- › Saw band
- › Operating tool
- › Coolant pump
- › Chip conveyor with chip container

#### Clamping ranges

mm	0°	
	400	X
	400	X
	400 x 400	400 x 220

(2) recommended values



Optional accessories (only available ex works)	Art. no.
Control display size 7" instead of 4.3"	3640900
Micro spray system	3640010
intersection laser	3640011
Chip conveyor for stainless steel chips including chip container	3649706
hydraulic Bundle tensioning device	3649712
motor-driven chip brush	3649709
<b>Accessory</b>	
Workpiece container	3640062
Chip container	3640063
Travelling device for chip container and workpiece containers	3640065
BIOCUT cutting oil 5 litres	3608020
<b>Roller conveyors (lightweight design 250 kg/m)</b>	
Roller conveyor 2000 x 520 mm (6 rollers)	3649350

Roller conveyors including legs and connecting adapters	Art. no.
1000 x 450 mm	3649005
2000 x 450 mm	3649006
1000 x 450 mm discharge roller conveyor for short sections (7 rollers/m) 1000 kg/m	3649710
2000 x 450 mm with an electrically driven roller. The roller is equipped with a hydraulic system that allows it to be raised and lowered as required.	3649711
<b>Roller conveyor accessories</b>	
Side guide roller, movable for roller conveyors	3649705
Side guide roller, rigid	3640261
Roller stand, height-adjustable, width 450 mm, load capacity 700 kg	3649015
<b>Saw bands 4520 x 34 x 1.1 mm</b>	
3-4 tpi M51-X-PRO (PU=5)	3659990
4-6 tpi M51-X-PRO (PU=5)	3659991

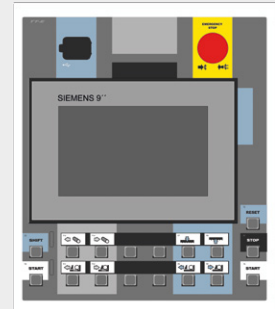
More saw bands and information at **Seite 146**

! When ordering a roller conveyor, always specify whether it is required as an infeed or outfeed roller conveyor



## HMBS 4000 CNC X – Fully automatic two-column horizontal metal band saw for heavy industrial use and optimum cutting times

- ▶ Saw blade speed up to 150 m/min
- ▶ Saw blade feed with ARP system for automatic feed adjustment
- ▶ Carbide programme for the use of carbide saw blades
- ▶ Material feed and saw frame driven by ball screws
- ▶ Material library with preset sawing parameters and characteristic curves
- ▶ Hydraulic belt tensioning
- ▶ Cut progression control
- ▶ Hydraulic band saw guides
- ▶ Coolant tank removable from the front
- ▶ Automatically adjustable, linearly guided saw blade guide
- ▶ Double-guided saw blade tensioning
- ▶ Wheels with counter bearings for smoother cutting
- ▶ Flushing of the incision channel



**!** A detailed explanation of the controls can be found from page 74 onwards

**!** We would be pleased to produce sample cuts for your material. Enquire with us.

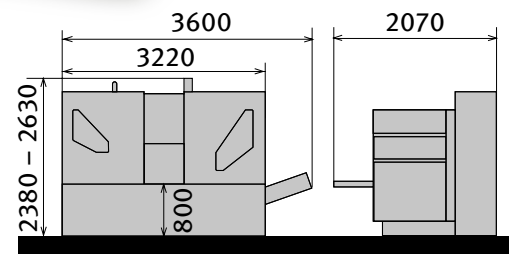
Automatic



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<b>Model</b>	<b>HMBS 4000 CNC X</b>
Art. no.	3691400

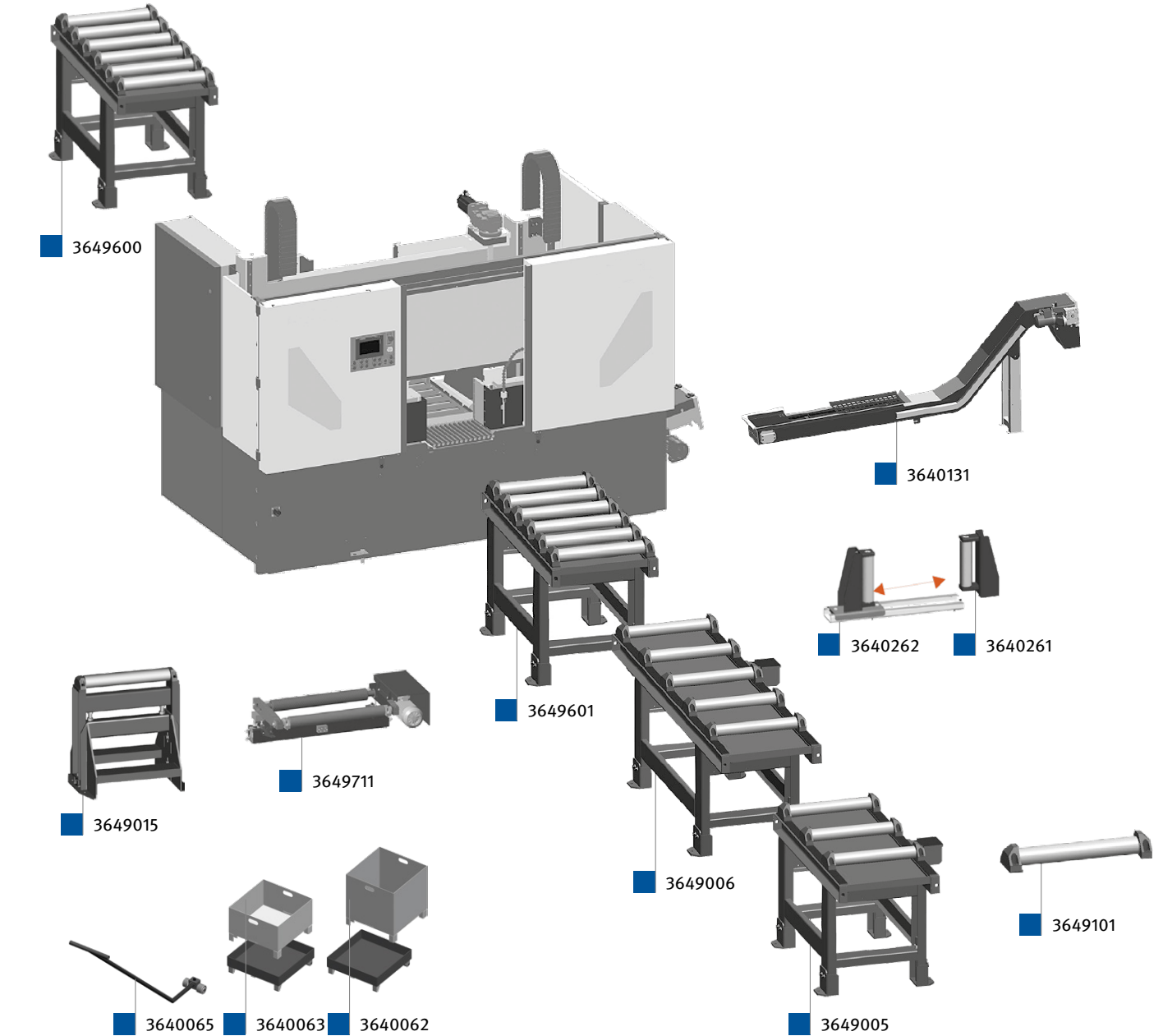
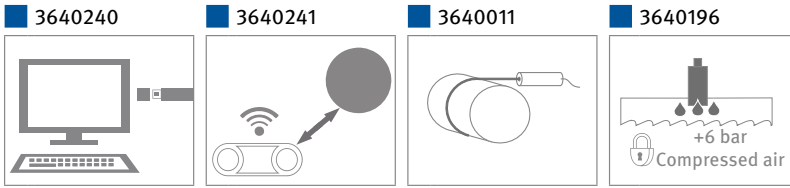
Technical data	
Speed levels	Continuously variable
Saw band speeds	20 – 150 m/min
Table height	800 mm
Material feed	10 mm
Minimum section length	30 mm
Material diameter min.	40 mm
Remnant length in HA operation	90 mm
Remnant length in CNC operation	3 mm
Minimale Materialvorschub	730 mm
feed length	9999 mm
Maximale Vorschublänge	6830 x 54 x 1.3 mm
Saw band dimensions	9 kW / 400 V
Motor power ~50 Hz	3600 x 2070 x 2630 mm
Dimensions (L x W x H) approx.	6100 kg
Weight approx.	



- Scope of delivery:**
- › Saw band
  - › Operating tool
  - › Two LED workplace lights
  - › ARP-System
  - › Frequency converter
  - › Motor-driven chip removal brush
  - › Automatic belt guide adjustment
  - › Chip conveyor

Clamping ranges		
mm	□ 0°	⊗
○	450	x
●	450*	x
□	450 x 450	450 x 300
▭	450 x 450	x

\* Recommended values for solid material



**Optional accessories (only available ex works)**

	Art. no.
Chip conveyor with chain intersection laser	3640131
Micro spray system	3640011
Central lubrication	3640125
<b>Accessory</b>	
Annual licence for external machine programming	3640240
Interface for remote maintenance	3640241
Workpiece container	3640062
Chip container	3640063
Travelling device for chip container and workpiece containers	3640065

**Roller conveyors (heavy-duty design 1000 kg/m)**

	Art. no.
1000 x 450 mm	3649005
2000 x 450 mm	3649006
2000 x 450 mm with an electrically driven roller	3649711
1000 x 450 mm feed roller conveyor with coolant drain	3649600
1000 x 450 mm discharge roller conveyor with coolant drain and a side guide roller	3649601
<b>Accessories Roller conveyors (heavy-duty version 1000 kg/m)</b>	
Side guide roller, movable for roller conveyors	3640262
Side guide roller, rigid	3640261
Roller stand, height-adjustable, width 450 mm, load capacity 700 kg/m	3649015
Additional roller 450 mm	3649101

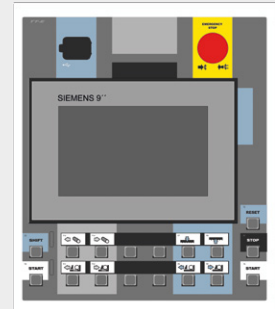
More saw bands and information at **Seite 146**

! When ordering a roller conveyor, always specify whether it is required as an infeed or outfeed roller conveyor



## HMBS 5000 CNC X – Fully automatic two-column horizontal metal band saw for heavy industrial use and optimum cutting times

- ▶ Saw blade speed up to 150 m/min
- ▶ Saw blade feed with ARP system for automatic feed adjustment
- ▶ Operation via modern and powerful Siemens HMI multi-touch panels
- ▶ Carbide programme for the use of carbide saw blades
- ▶ Material feed and saw frame driven by ball screws
- ▶ Material library with preset sawing parameters and characteristic curves
- ▶ Hydraulic belt tensioning
- ▶ Cut progression control
- ▶ Hydraulic band saw guides
- ▶ Coolant tank removable from the front
- ▶ Automatically adjustable linearly guided saw blade guide
- ▶ Double-guided saw blade tensioning
- ▶ Wheels with counter bearings for smoother cutting
- ▶ Flushing of the incision channel



**!** A detailed explanation of the controls can be found from page 74 onwards

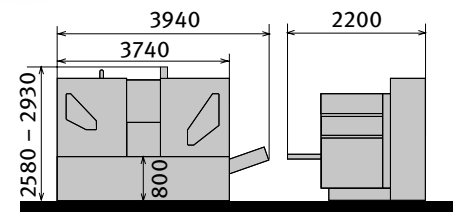
**!** We would be pleased to produce sample cuts for your material. Enquire with us.

Automatic



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<b>Model</b>	<b>HMBS 5000 CNC X</b>
Art. no.	3691500
<b>Technical data</b>	
Speed levels	Continuously variable
Saw band speeds	15 - 150 m/min
Table height Material feed	800 mm
Minimum section length	10 mm
Material diameter min.	75 mm
Remnant length in semi-automatic operation	30 mm
Remnant length in CNC operation (90°)	35 mm
Minimaler Materialvorschub	3 mm
feed length	750 mm
Maximale Vorschublänge	9999 mm
Saw band dimensions	7680 x 54 x 1.6 mm
Motor power ~50 Hz	15 kW / 400 V
Dimensions (L x W x H) approx.	3.980 x 2.300 x 2900 mm
Weight approx.	7735 kg



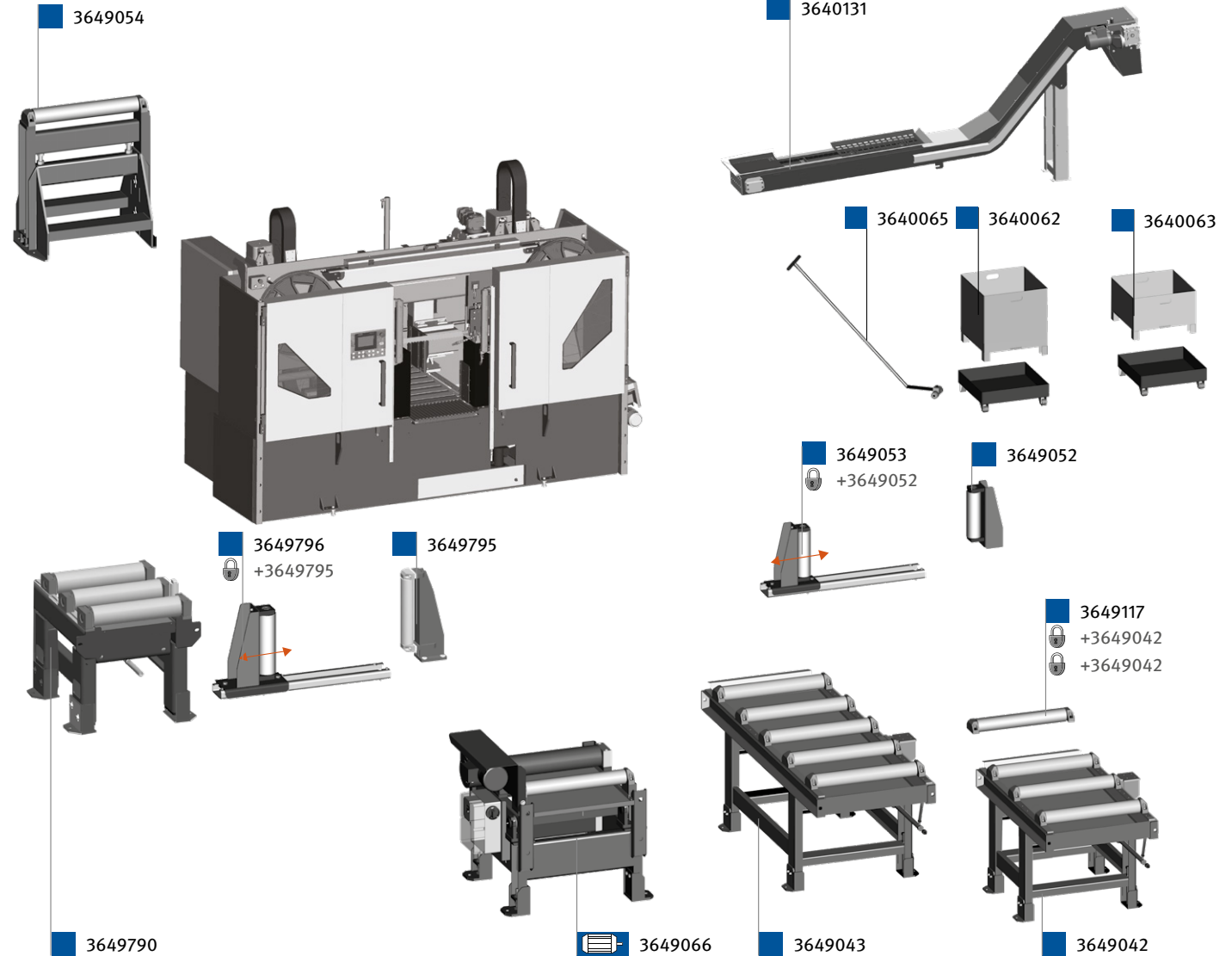
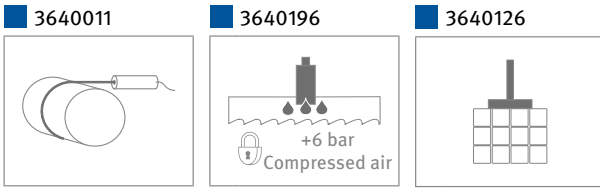
### Scope of delivery:

- › Saw band
- › Operating tool
- › Two LED workplace lights
- › ARP System
- › Frequency converter
- › Motor-driven chip removal brush
- › Automatic belt guide adjustment
- › Chip conveyor

### Clamping ranges

mm	0°	
	550	x
	550*	x
	550 x 620	550x350
	550x550	x

\* Recommended values for solid material



**Optional accessories (only available ex works)**

	Art. no.
Central lubrication	3640125
Hydraulic bundle clamping device	3640126
Chip conveyor with chain	3640131
Intersection laser	3640011
Micro spray system	3640196
<b>Accessory</b>	
Annual licence for external users machine programming	3640240
Interface for remote maintenance	3640241
Workpiece container	3640062
Chip container	3640063
Travelling device for chip and workpiece containers	3640065
BIOCUT cutting oil 5 litres	3608020
<b>Heavy-duty roller conveyors 1700 kg/m</b>	
1000 x 620 mm	3649042
2000 x 620 mm	3649043
1000 x 620 mm feed roller conveyor with a lateral guide roller	3649064
1000 x 620 mm discharge roller conveyor with a lateral guide roller	3649065

Hydraulic lifting roller	3649066
<b>Accessories for heavy roller conveyors</b>	
Height-adjustable roller	3649054
Side guide roller, rigid	3649052
movable side guide roller	3649053
Additional roller 620 mm	3649117
<b>Roller conveyors, extra heavy-duty design, 2000 kg/m</b>	
Roller conveyor 1000 x 570 mm with hardened rollers	3649790
<b>Accessories for extra heavy roller conveyors</b>	
Side guide roller, rigid - height 650 mm	3649795
Lateral guide roller movable - height 650 mm	3649796

# Semi-automatic horizontal metal band saw

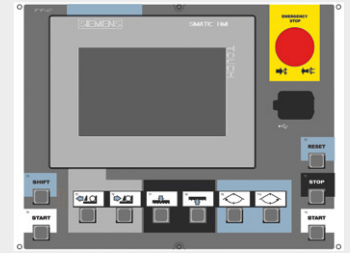
Quality  
Made in  
Europe



## HMBS 700 x 750 HA X – Semi-automatic two-column horizontal metal band saw with SIEMENS control system for heavy industrial use

- ▶ Linear guides on both columns ensure perfect cutting results
- ▶ Robust three-phase motor with overload protection
- ▶ The clamping block is equipped with a long-stroke cylinder to compensate for larger cross-sectional differences.
- ▶ Belt guide with adjustable carbide plates
- ▶ Hydraulic regulation of the vice pressure
- ▶ Operation via modern and powerful Siemens HMI multi-touch panel

**! We would be pleased to produce sample cuts for your material. Enquire with us.**



**!** A detailed explanation of the controls can be found from page 74 onwards



Front band guide moves parallel to the movable clamp jaw – resulting in more precise saw band guidance

Semi-automatic

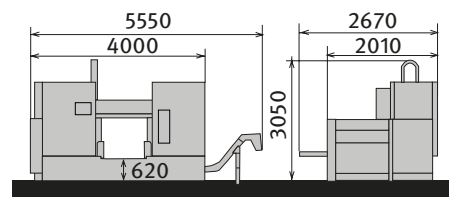


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<b>Model</b>	<b>HMBS 700 x 750 HA X</b>
Art. no.	3690082

Technical data	
Speed levels	Continuously variable
Saw band speeds	15 - 80 m/min
Table height Material feed	620 mm
Saw band dimensions	7680 x 67 x 1.6 mm
Motor power ~50 Hz	11 kW / 400 V
Dimensions (L x W x H) approx.	5550 x 2670 x 3050 mm
Weight approx.	5950 kg

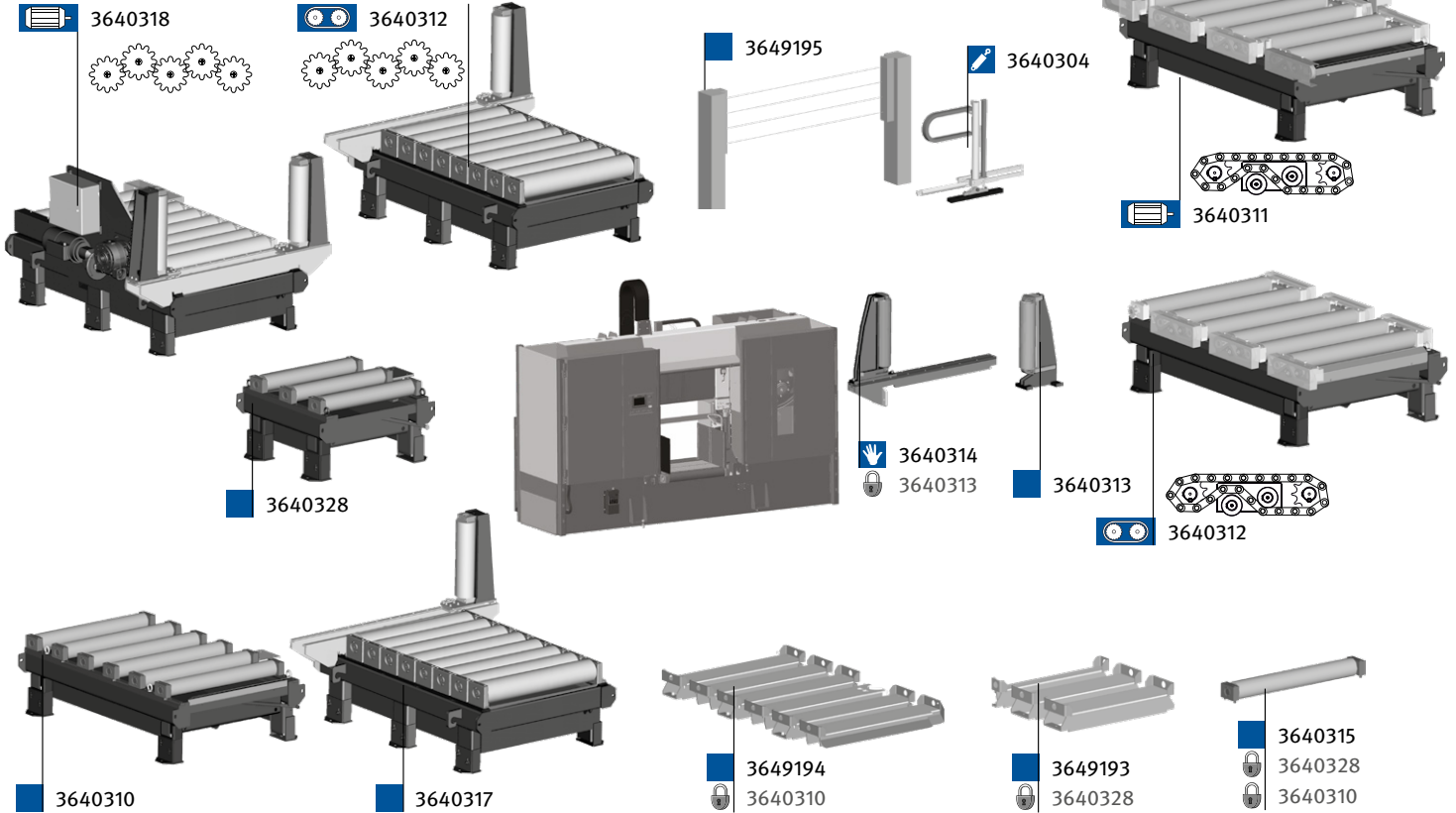
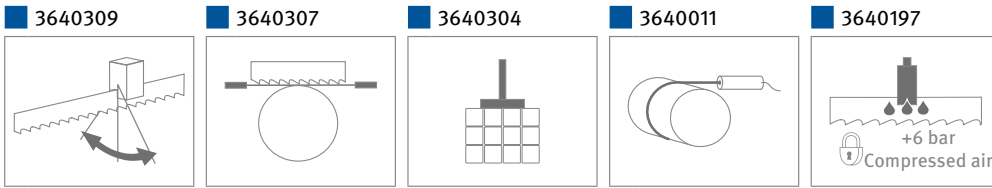
### Scope of delivery:

- > Saw band
- > Operating tool
- > Workplace lighting
- > Motorised chip brush
- > Frequency converter
- > Coolant pump
- > Hydraulic belt tensioning device

### Clamping ranges

mm	0°	
	700	X
	700 *	X
	750 x 700	750 x 450

\* Recommended values for solid material



Optional accessories (only available ex works)	Art. no.
Hydraulic Bundle tensioning device	3640304
Intersection laser	3640011
Micro spray system	3640197
Material start detection	3640307
Cutting process control	3640309
Safety light barrier	3649195
<b>Accessory</b>	
Annual licence for external machine programming	3640240
Interface for remote maintenance	3640241
<b>Roller conveyors</b>	
1000 x 800 mm	3640328
2000 x 800 mm	3640310
2000 x 800 mm motorised	3640311
2000 x 800 mm Infeed/outfeed roller conveyor	3640317
Heavy-duty design	3640318
2000 x 800 mm Infeed/outfeed roller conveyor	3640318
Motorised / heavy-duty design	3640318
<b>Accessories for roller conveyors and measuring tracks</b>	
Roller conveyor extension 2000 x 800 mm, motorised,	3640312
<b>(requires: 3640311<sup>(1)</sup>)</b>	
Roller conveyor extension 2000 x 800 mm, motorised, heavy-duty design	3640319
Side guide roller, movable for roller conveyors	3640314
<b>(requires 3640313<sup>(1)</sup>)</b>	
Side guide roller, rigid	3640313
Additional roller 800 mm <b>(requires 3640328<sup>(1)</sup>/3640310<sup>(1)</sup>)</b>	3640315
<b>Accessories for roller conveyors and measuring tracks</b>	
1m cover for roller conveyor <b>(requires 3640328<sup>(1)</sup>)</b>	3649193
2m cover for roller conveyor <b>(requires 3640310<sup>(1)</sup>)</b>	3649194

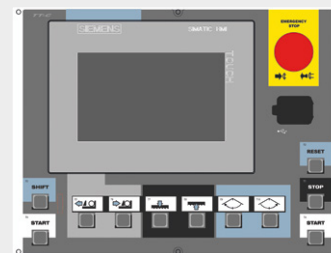
Trolley	Art. no.
Trolley for system with measuring scale <sup>(2)</sup>	3649910
Trolley for system with digital measuring display <sup>(3)</sup>	3649911
Stop carriage for electromechanical system for motor. Roller conveyor <sup>(4)</sup>	3649912
Stop carriage for electromechanical system for motor. Roller conveyor / digital display <sup>(4)</sup>	3649913
<b>Extension stop rail for stop</b>	
1 metre with measurement scale / spacer <sup>(2)</sup>	3649940
2m with measuring scale / spacer <sup>(2)</sup>	3649941
1 metre with measurement scale / end piece <sup>(2)</sup>	3649945
2m with measurement scale / end piece <sup>(2)</sup>	3649946
1 m with digital display / adapter <sup>(3)</sup>	3649950
2 m with digital display / adapter <sup>(3)</sup>	3649951
1 metre with digital display / end piece <sup>(3)</sup>	3649955
2m with digital display / end piece <sup>(3)</sup>	3649956
1 m electromechanical for motor. Roller conveyor / Intermediate piece <sup>(4)</sup>	3649960
2 m electromechanical for motor. Roller conveyor / Intermediate piece <sup>(4)</sup>	3649961
1 m electromechanical for motor. Roller conveyor / End piece <sup>(4)</sup>	3649965
2 m electromechanical for motor. Roller conveyor / End piece <sup>(4)</sup>	3649966
1 m electromechanical for motor. Roller conveyor with digital display / intermediate piece <sup>(5)</sup>	3649970
2 m electromechanical for motor. Roller conveyor with digital display / intermediate piece <sup>(5)</sup>	3649971
1 m electromechanical for motor. Roller conveyor with digital display / end piece <sup>(5)</sup>	3649975
2 m electromechanical for motor. Roller conveyor with digital display / end piece <sup>(5)</sup>	3649976
<b>M42 saw bands 7680 x 67 x 1.6 mm</b>	
2-3 tpi Sprint Plus	3655410

(1) Must be ordered separately! (2), (3), (4), (5): Compatible with each other



## HMBS 700 x 750 CNC X – Automatic two-column horizontal metal band saw with ARP system for heavy-duty industrial use

- ▶ The clamping devices are equipped with long-stroke cylinders.
- ▶ tension pressure regulation
- ▶ The rigid, hydraulically controlled jaw of the clamping block moves freely by 5 mm, thereby improving the feed of the workpiece.
- ▶ Limit switches control the upper and lower position of the saw arm
- ▶ Clamping of the material before and after the cut by means of a two-part clamping block
- ▶ Belt guide with adjustable carbide plates
- ▶ Compact design with minimal distance between the saw arm guide and clamping block for low-vibration operation
- ▶ Electronic adjustment of the lower and upper position of the saw arm
- ▶ Elektronische Einstellung der unteren und oberen Position des Sägearms
- ▶ USB interface
- ▶ Operation via modern and powerful Siemens HMI multi-touch panels



**!** A detailed explanation of the controls can be found from page 74 onwards

**!** We would be pleased to produce sample cuts for your material. Enquire with us.

Automatic

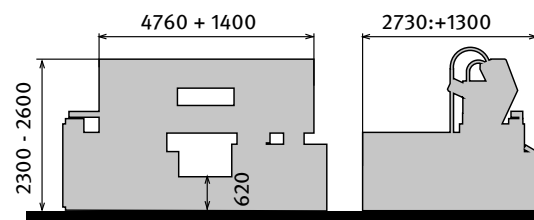


### Scope of delivery:

- › Saw band
- › Operating tool
- › Workplace lighting
- › Automatic belt guide adjustment
- › Motorised chip removal brush
- › Frequency converter
- › Swivelling control panel
- › Coolant pump
- › Hydraulic belt tensioning device

**ASK FOR YOUR PERSONALISED OFFER!**

<b>Model</b>	<b>HMBS 700 x 750 CNC X</b>
Art. no.	3690083
<b>Technical data</b>	
Speed levels	Continuously variable
Saw band speeds	15 - 80 m/min
Table height Material feed	620 mm
Minimum section length	40 mm
Material diameter min.	60 mm
Remaining piece length during a cut	40 mm
Remnant length in CNC operation (90°)	155 mm
feed length	700 mm
Saw band dimensions	7680 x 67 x 1.6
Motor power ~50 Hz	11 kW / 400 V
Dimensions (L x W x H) approx.	5700 x 2500 x 2800 mm
Weight approx.	12500 kg

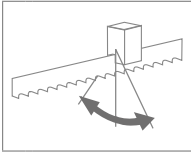


### Clamping ranges

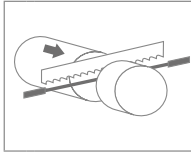
mm	0°	
	700	x
	700 *	x
	750 x 700	750 x 450

\* recommended values

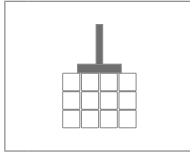
3640309



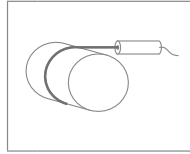
3640306



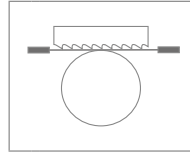
3640327



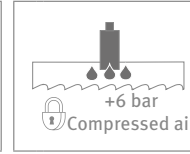
3640011



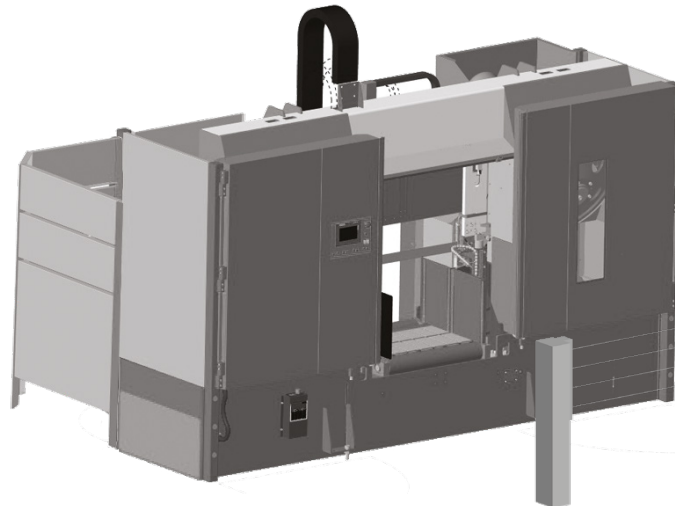
3640307



3640197



Clamping of the material before and after the cut by means of a two-part clamping block



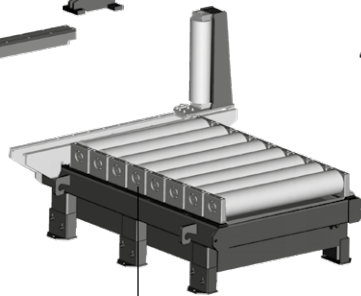
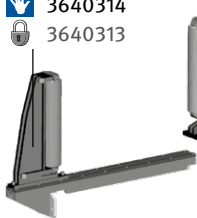
3649195

3649194  
3640310

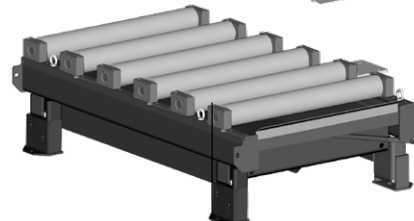
3640315  
3640328  
3640310

3640314  
3640313

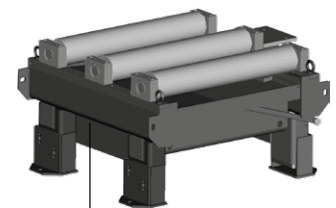
3640313



3640317



3640310



3640328

**Optional accessories (only available ex works)**

	Art. no.
Hydraulic Bundle tensioning device	3640327
Intersection laser	3640011
Micro spray system	3640197
Automatic material start detection	3640306
Automatic detection of the upper material end point	3640307
Cutting process control	3640309
Safety light barrier	3649195

**Accessory**

Annual licence for external machine programming	3640240
Interface for remote maintenance	3640241

**Roller conveyors**

1000 x 800 mm roller conveyor	3640328
2000 x 800 mm roller conveyor	3640310
2000 x 800 mm infeed/outfeed roller conveyor heavy-duty design	3640317

**Accessories for roller conveyors and measuring tracks**

	Art. no.
Side guide roller, movable for roller conveyors (required 3640313 <sup>(1)</sup> )	3640314
Side guide roller, rigid	3640313
Additional roller 800 mm (requires 3640328 <sup>(1)</sup> and 3640310 <sup>(1)</sup> )	3640315
1m cover for roller conveyor (required 3640328)	3649193
2m cover for roller conveyor (required 3640310)	3649194
<b>M42 saw bands 7680 x 67 x 1.6 mm</b>	
2-3 tpi Sprint Plus	3655410

(1) Must be ordered separately!

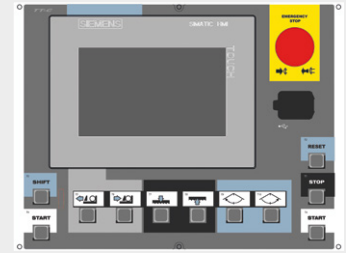
More saw bands and information at **Seite 146**

When ordering a roller conveyor, always specify whether it is required as an infeed or outfeed roller conveyor



## HMBS 850 x 1000 CNC X – Fully automatic two-column horizontal metal band saw for heavy industrial use and optimum cutting times

- ▶ For sawing stainless steel, tool steel, profiles and solid materials, for example
- ▶ Saw blade guide with adjustable carbide plates
- ▶ Robust, automatically adjustable saw blade guide with cooling system
- ▶ Hydraulic belt tensioning
- ▶ Linear guides on both columns
- ▶ Motor-driven chip removal brush
- ▶ Operation via modern and powerful Siemens HMI multi-touch panels



**!** A detailed explanation of the controls can be found from page 74 onwards

**!** We would be pleased to produce sample cuts for your material. Enquire with us.

Automatic



### Scope of delivery:

- › Saw band
- › Operating tool
- › Workplace lighting
- › Chip conveyor
- › Frequency converter
- › Single material feed 990mm
- › Coolant pump

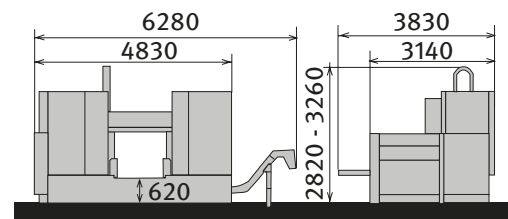
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<b>Model</b>	<b>HMBS 850 x 1000 CNC X</b>
Art. no.	3690094
<b>Technical data</b>	
Speed levels	Continuously variable
Saw band speeds	15 – 80 m/min
Table height Material feed	620 mm
Minimum section length	30 mm
Material diameter min.	185 mm
Remaining piece length during a cut	110 mm
Remnant length in CNC operation (90°)	215 mm
Minimaler Materialvorschub	3 mm
feed length	990 mm
Maximale Vorschublänge	19999 mm
Saw band dimensions	9490 x 67 x 1.6 mm
Motor power ~50 Hz	11 kW / 400 V
Dimensions (L x W x H) approx.	6280 x 3830 x 3260 mm
Weight approx.	11800 kg

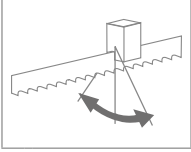


### Clamping ranges

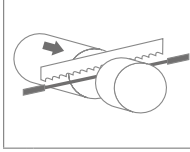
mm	0°	
	850	x
	850 *	x
	1000 x 850	1000 x 460

\* recommended values

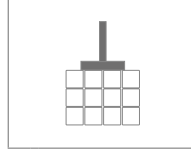
3640325



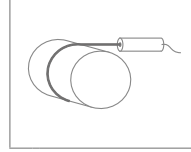
3640322



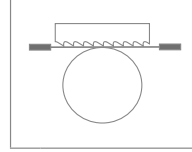
3640320



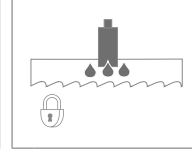
3640011



3640323



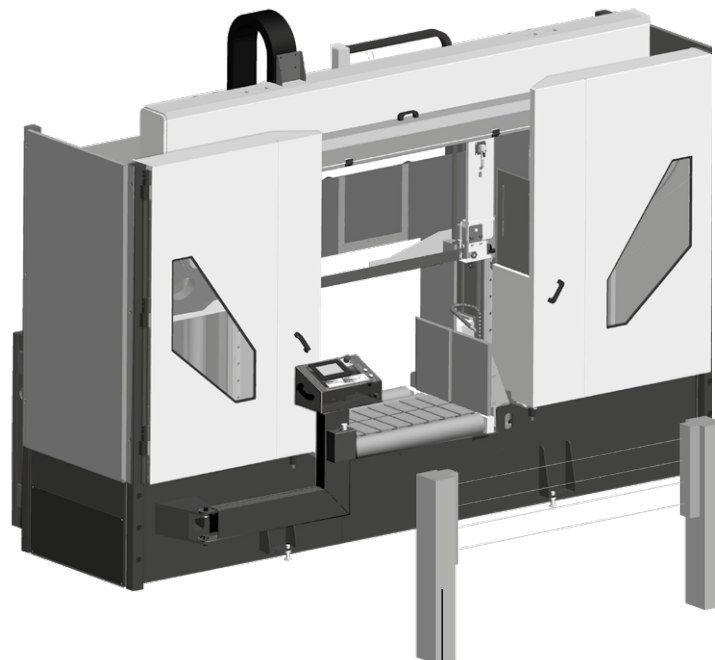
3640197



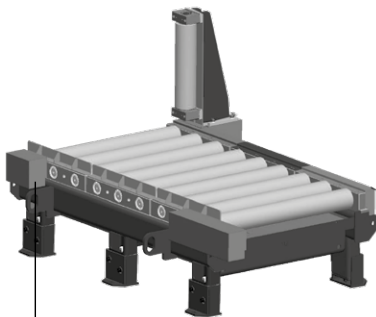
3649040  
3649039



3649039



3649196



3649230



3649031

**Optional accessories (only available ex works)**

	Art. no.
Micro spray system	3640197
Light barrier	3649196
Cutting line laser	3640011
Automatic detection of the upper material end point	3640323
Cutting process control	3640325

**Accessory**

Annual licence for external machine programming	3640240
Interface for remote maintenance	3640241

**Roller conveyors**

2000 x 1000 mm roller conveyor, 5000 kg/m	3649031
2000 x 1000 mm, roller conveyor 7000 kg/m	3649230

**Roller conveyors 1000 mm accessories**

	Art. no.
Side guide roller, movable for roller conveyors (required 3649039 <sup>(1)</sup> )	3649040
Side guide roller, rigid	3649039
<b>M42 saw bands 9490 x 67 x 1.6 mm</b>	
3-4 tpi Sprint Plus	3655111

*(1) Must be ordered separately!*

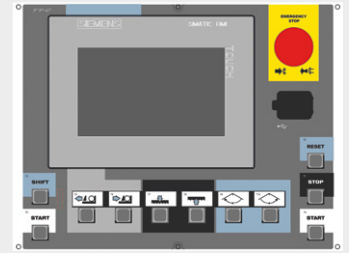
More saw bands and  
information at **Seite 146**

When ordering a roller conveyor, always specify whether  
it is required as an infeed or outfeed roller conveyor



## HMBS 1200 x 1400 HA X – Semi-automatic two-column horizontal metal band saw with ARP system for heavy industrial use

- ▶ Designed for cutting solid material
- ▶ A hydraulic system controls the machine's automated work processes.
- ▶ Belt guide with adjustable carbide plates
- ▶ Limit switches control the upper and lower position of the saw arm
- ▶ Linear guides on both columns ensure perfect cutting results
- ▶ Inclined wheels for a longer service life of the saw blade
- ▶ Operation via modern and powerful Siemens HMI multi-touch panels



**!** A detailed explanation of the controls can be found from page 74 onwards

**!** We would be pleased to produce sample cuts for your material. Enquire with us.

Semi-automatic



- ▶ Solid, precise 2-column guide
- ▶ Linear guides on both columns ensure perfect cutting results.

### Scope of delivery:

- > Saw band
- > Operating tool
- > Two workplace lights
- > ARP System
- > Chip conveyor
- > Frequency converter
- > Cooling system on the saw blade guides
- > Motor-driven chip removal brush
- > Automatic belt guide adjustment

Überzeugen Sie sich von unserer Leistungsfähigkeit und fragen Sie nach einer individuellen Beratung!

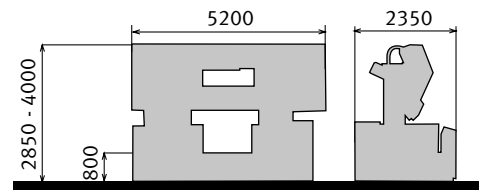
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**ASK FOR YOUR PERSONALISED OFFER!**

<b>Model</b>	HMBS 1200 x 1400 HA X
Art. no.	3690052

Technical data	
Speed levels	Continuously variable
Saw band speeds	15 – 80 m/min
Table height Material feed	800 mm
Saw band dimensions	11650 x 80 x 1.6 mm
Motor power ~50 Hz	11 kW / 400 V
Dimensions (L x W x H) approx.	5200 x 2350 x 4000 mm
Weight approx.	25000 kg



### Clamping ranges

mm	0°
	1200
	1200 *
	1200 x 1400

\* recommended values

**!** Accessories on request!