Production bandsaws

Our high-tech range

www.kasto.com

Saws. Storage. And More. KASTO®

KASTO *pro*duction bandsaw overview

More efficient sawing in production and manufacturing

Whether for mechanical and tool construction, the steel and metal trade, the car, aviation and shipping industries or for craft businesses and workshops: KASTO's wide range of production bandsaws offers the optimal solution for every application. Our robust and powerful machines are impressive for series cuts with short cycle times as well as for large material dimensions or materials that are difficult to machine. Semi or fully automatic, straight or mitre cuts, profiles, pipes or solid material, small or large workpieces: we supply you with the perfect saw for your specific task.

KASTO's production bandsaws all impress with their solid design, rigidity and very good vibration damping. Just what you need for high cutting performance, smooth running, low belt wear and quiet operation. Intelligent controls and intuitive operating concepts ensure minimal downtime and maximum productivity. KASTO offers you an extensive range of accessories to seamlessly integrate your saws into your production process: from roller conveyors and feed tables for material feeding and handling and robot solutions to software integration using individual interfaces.

Quick finder for the right machine series

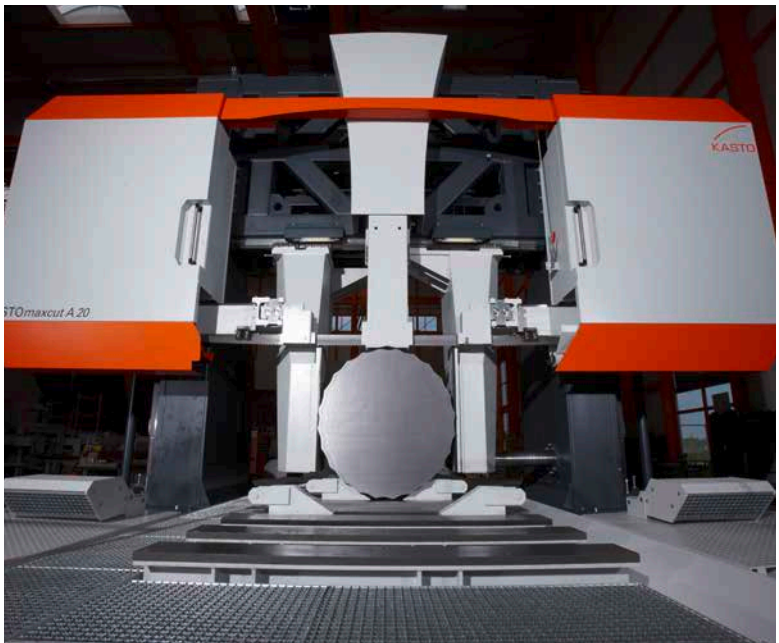
■ suitable
□ suitable in certain circumstances
– not suitable

Page number	4	8	14	22	26	36	40	44	48
		KASTO*win*		KASTO*win pro*		KASTO*hba*		KASTO*miwin*	
KASTO*respond*	–	■	■	■	■	–	–	■	■
Level of automation									
Single cut, fully automatic	■	■	■	■	■	■	■	■	■
Serial cut, fully automatic	■	■	■	■	■	■	■	■	–
Cut type									
90° cut	■	■	■	■	■	■	■	■	■
Mitre cut on both sides	–	–	–	–	–	–	–	■	–
Material									
Non-ferrous metals + plastics	■	■	■	■	■	■	■	■	■
Construction steels	■	■	■	■	■	■	■	■	■
Tool steels	■	■	■	■	■	■	■	–	■
Stainless steels	■	■	–	■	■	■	■	–	■
Steels for special use	■	■	■	■	■	■	■	–	■

Your benefits at a glance

KASTO *pro*ducts are all about quality, performance and longevity. Take the chance to benefit from our experience as a global market and technology leader in metal sawing technology.

- Extensive machine programme for all tasks
- State-of-the-art technology and high-quality design
- Unbeatable value for money
- Saws, software and peripherals: everything from a single source
- Simple operation and intelligent control technology
- "Made in Germany" quality
- Special solutions for special tasks
- Comprehensive range of services
- Experience in remote maintenance and retrofitting
- Family-run company with a long history and tradition



KASTO*ssb*

Fully automatic bandsaw machine for series cuts

Great performance, efficient footprint. The vertically working sawband characterises the fully hydraulic high-performance KASTO*ssb* saw in heavy design. This makes it suitable for cutting solid material, pipes and profiles with diameters of up to 260 mm. The extremely compact design with a vertically running sawband allows the KASTO*ssb* to be placed in the smallest of areas. The space required by a KASTO*ssb* is just under 1.7 x 2 m!

Technical Data		KASTO*ssb A 2*
	mm	●/■
Cutting range without bundle clamping device (H x W)	mm	260 / 260 x 260
Cutting range with bundle clamping device (H x W)	mm	150 x 260
Automatic feed length, single stroke	mm	600
Multiple feed	mm	9,999
Minimal remnant length, automatic operation	mm	110
Smallest cut piece length	mm	5
Total connection value	kW	9.5
Saw motor	kW	5.5
Cutting speed, infinitely adjustable	m/min	15-125
Length x width x height	mm	1,670 x 2,080 x 2,130
Material support height	mm	950
Total weight	kg	2,200
Sawband dimensions	mm	4,115 x 41 x 1.3 mm

More cost-effectiveness for series cuts

Bundle cuts to perfection

The vertical arrangement of the sawband ensures optimal chip transport in the direction of the standard chip conveyor, which means that no chip nests that disrupt process reliability can arise.

Particularly when it comes to bundle and mass cutting sawing, it is not just the high cutting performance of the sawing machine that counts, but also the continuous supply of material and accurate clamping of the material. For this reason, the KASTO*ssb A 2* has a stable infeed roller conveyor with fixed side guide rollers that can be adjusted to the material/bundle width. Powered transport rollers ensure quick and safe positioning of the materials or the material bundle. Two frame vices are also included as standard (for correct tensioning directly before and after the interface) and, if necessary, these can be quickly and easily equipped with the additional hydraulic bundle clamping device. The frame clamps fix the bundle of material firmly and securely on all sides, so that despite the bundling and the large quantity, all saw cuts are made reproducibly, precisely and cleanly.

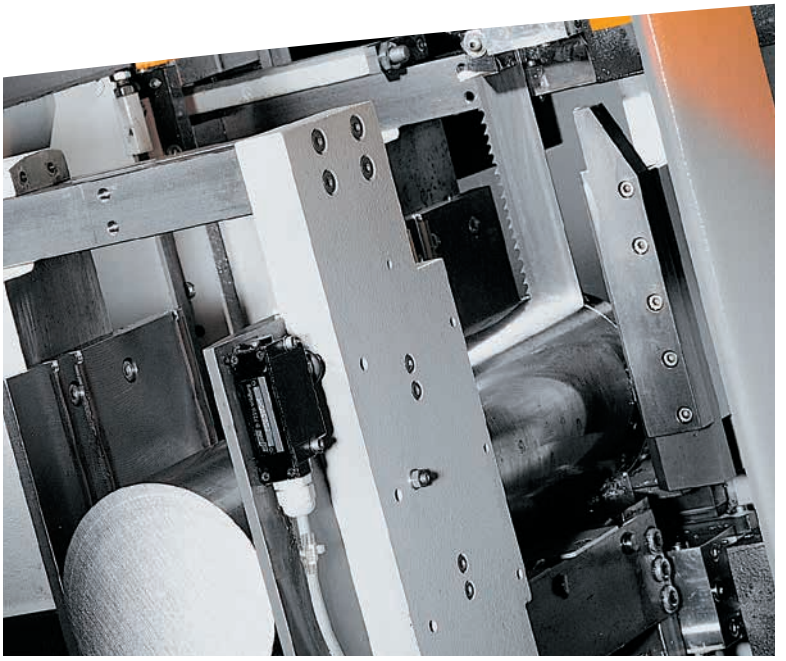
Your benefits at a glance

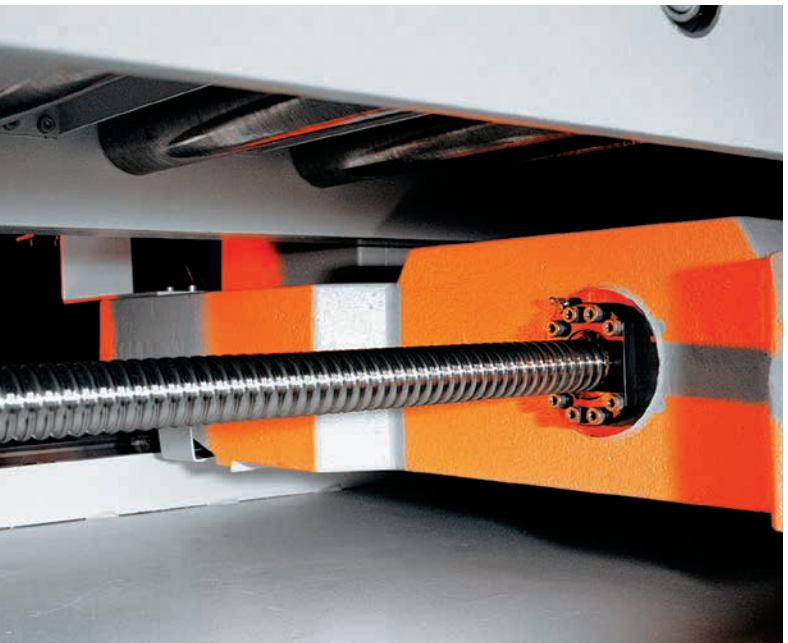
- High safety and good noise insulation thanks to full cladding
- High cutting accuracy and reliable workpiece clamping thanks to stable clamping vice system
- Optimum chip flow thanks to vertical sawband
- Simple operation and easy loading
- Safe, unmanned sawing with CNC control and intelligent monitoring functions (partly optional)
- Easy belt change and high ease of service
- Low coolant losses and easy cleaning
- Fast customer service and reliable spare parts supply

Perfection from the factory

KASTO*ssb* standard equipment and options

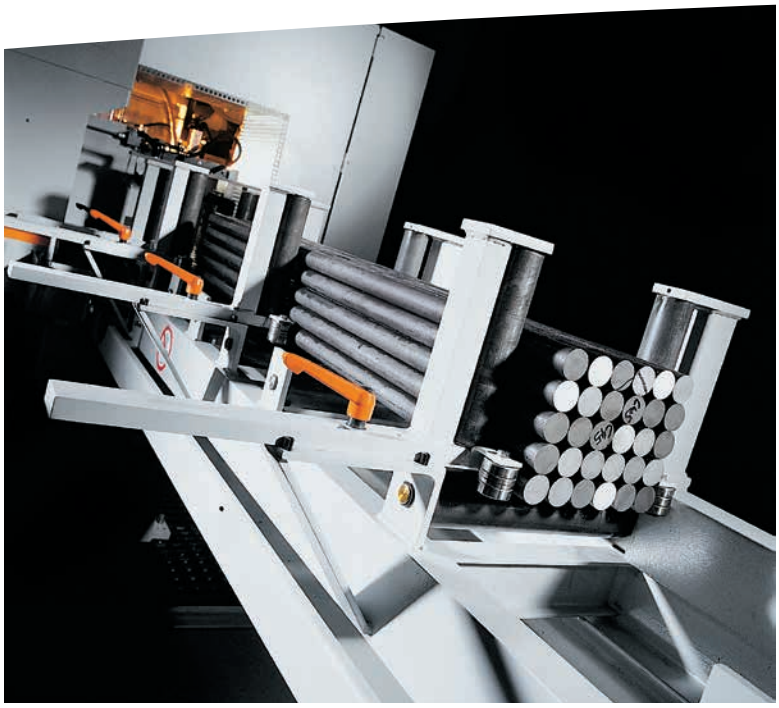
- High ejection from the chip conveyor (620 mm; optional 1,100 mm) saves coolant.
- The frame vice prevents the material being sawn from migrating upwards.
- High-precision and long-lasting feed with low-maintenance ball screw.
- KASTO *ProControl* saw control: Simple operation for effective order processing.
- Infeed roller conveyor, driven by handwheel, with fixed and adjustable side guide roller (option).
- Motor-driven vibrating table with rinsing device for largely chip-free cut pieces (option).
- Hydraulic hold-down bar for stable 4-point clamping of individual bars, material layers and bundles (option).
- For bundle cuts: The hydraulic clamping device acting from above (option).

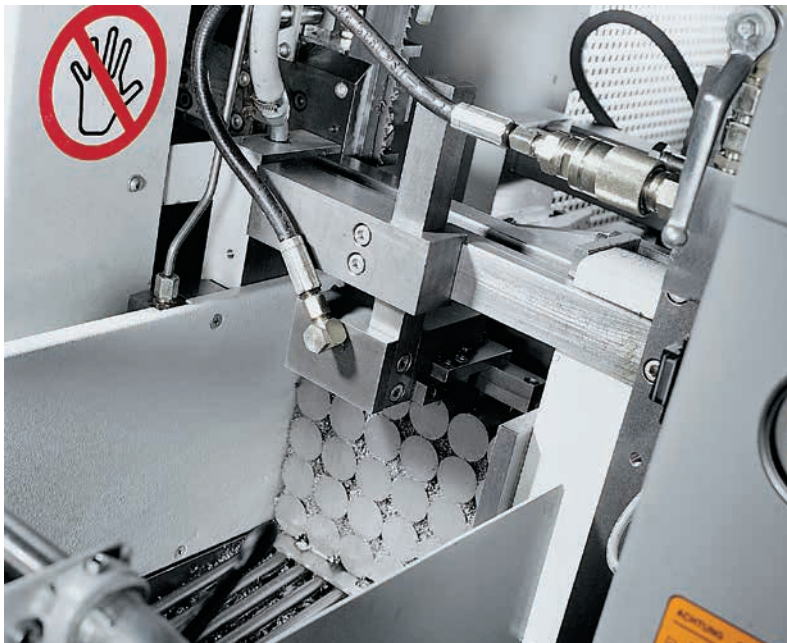




Expansion levels and automation options

- Universal magazine / transversely movable roller conveyor / inclined magazine
- Bundle clamping device/hold-down device
- Micro-spray lubrication system
- Cut piece sorting device
- Cut piece marking system
- Robot-assisted automation of subsequent processes (KASTO*sort*)





KASTO*win*

Our high-tech range

The new KASTO*win* is available in four sizes:

Technical Data		*A 3.6*	*A 4.6*	*A 5.6*	*A 10.6*
Cutting range, round	mm	360	460	560	1060
Cutting range [H x W]	mm	360 x 360	460 x 460	560 x 560	1060 x 1060
Material feed length, simple	mm	500	500	500	500
Material feed length, simple (Option)	mm	1,500	1,500	1,500	
Multiple feed	mm	9,999	9,999	9,999	9999
Shortest cut piece length	mm	10	10	10	10
Smallest dimension to be cut	mm	10	10	25	50
Shortest remnant length in automatic operation	mm	35	35	35	35
Infinitely adjustable cutting speed	m/min	12 – 150	12 – 150	12 – 150	12 - 150
Saw motor, frequency-controlled	kW	4.0	4.0	5.5	7.5
Total power	kW	6.0	6.0	8.0	15
Sawband dimension	mm	6,096 x 34 x 1.1	6,096 x 54 x 1.3	7,067 x 54 x 1.6	10,422 x 80 x 1.6
Optional sawband dimension	mm	6,096 x 41 x 1.3	6,096 x 41 x 1.3	7,067 x 54 x 1.3	10,422 x 67 x 1.6
Material support height	mm	700	700	700	700
Length x width x height	mm	1,650 x 2,900 x 2,030	1,650 x 2,900 x 2,030	1,650 x 3,300 x 2,280	2,605 x 4,750 x 3590
Weight	kg	3,450	3,450	3,800	11,500

More than unique: the KASTO*win*

Increase your productivity

The open secret of economical automatic sawing machines lies in two things: high cutting performance and low downtime. The fully automatic bandsawing machines from the KASTO*win* series have been consistently designed for serial and production sawing of solid materials, pipes and profiles, and are made in Germany. They are produced in our factories in Achern/Northern Black Forest and Schalkau/Thuringia in state-of-the-art cycle production. The simple operation and the well thought-out material handling reduce downtime and thus create the best conditions for maximum efficiency.

KASTO*win* offers you several time-saving advantages

- Customised to the specific application using a modular system design
- Quick motion using servo drive and ball screw spindle for the material feed and the linear guided saw frame
- Automatic band guide arm adjustment
- Quick and easy programming via colour touch screen
- Intelligent control for long sawband service life
- Chain dimension feed for short series cut pieces

KASTO*win A 3.6*

Better performance, better efficiency

The KASTO*win* bandsaw machine impresses with its stand-out properties: extremely smooth running, highest cutting performance and optimum band service life. The key factor here is the stable, vibration-optimised saw unit in a high-quality, modern welded steel construction. The saw frame being guided on both sides with modern linear guide systems also provides more stability.

Technical Data		KASTO*win A 3.6*
Cutting range, round	mm	360
Cutting range [H x W]	mm	360 x 360
Saw motor, frequency-controlled	kW	4.0
Total power	kW	6.0
Sawband dimension	mm	6,096 x 34 x 1.1
Optional sawband dimension	mm	6,096 x 41 x 1.3
Material support height	mm	700
Length x width x height	mm	1,650 x 2,900 x 2,030
Weight	kg	3,450

KASTO*win A 4.6*

Productive and innovative

The KASTO*win* models combine solid mechanical engineering and innovative control technology. The KASTO*win*'s torsion-resistant upper part offers greater vibration damping than conventional cast constructions. And the heavy construction of the remaining steel structure also has one sole purpose: the smoothest possible sawband operation for high cutting precision. The KASTO*win* also sets standards in safety. In addition to very good accessibility, for example for belt changes, the KASTO*win* surpasses all current safety standards.

Technical Data		KASTO*win A 4.6*
Cutting range, round	mm	460
Cutting range [H x W]	mm	460 x 460
Saw motor, frequency-controlled	kW	4.0
Total power	kW	6.0
Sawband dimension	mm	6,096 x 54 x 1.3
Optional sawband dimension	mm	6,096 x 41 x 1.3
Material support height	mm	700
Length x width x height	mm	1,650 x 2,900 x 2,030
Weight	kg	3,450

KASTO*win A 5.6*

Masterful precision

The KASTO*win pro*duction bandsaw machine achieves a cutting accuracy of ± 0.1 mm / 100 mm cutting length at cutting speeds of up to 150 m/min.

Precise, backlash-free linear guides in the vice and saw feed as well as servo drives and ball screws for the saw frame and material feed unit make this possible. In addition to the high productivity, there is a significant improvement in material utilisation thanks to the minimum remnant lengths of 35 mm in Automatic mode.

Technical Data		KASTO*win A 5.6*
Cutting range, round	mm	560
Cutting range [H x W]	mm	560 x 560
Saw motor, frequency-controlled	kW	5.5
Total power	kW	8.0
Sawband dimension	mm	7,067 x 54 x 1.6
Optional sawband dimension	mm	7,067 x 54 x 1.3
Material support height	mm	700
Length x width x height	mm	1,650 x 3,300 x 2,280
Weight	kg	3,800

Just better

- Effective material utilisation up to 35 mm
- New layout: The drive unit and sensors are fully separated from the actual work area - enabling consistent, hassle-free work
- Easy-to-use *ProControl* sawing machine control takes care of the most important settings. Easy entry of sawing orders with cut piece lengths, quantities and material selection.
- Controlled saw feed movement using a ball screw
- Material clamps with free lifting devices ensure reliable automatic operation
- Backlash-free linear guides in both columns for smooth, precise running
- Motor-driven chip removal brush with automatic self-adjustment
- Hydraulically preloaded, integrated belt guides
- Easily accessible material feed
- Preparation for feed roller conveyors
- Quiet, energy-efficient, compact hydraulic unit
- High cutting performance with impressive repeat accuracy
- High energy efficiency
- Intuitive operation
- Good accessibility with full compliance with current safety standards

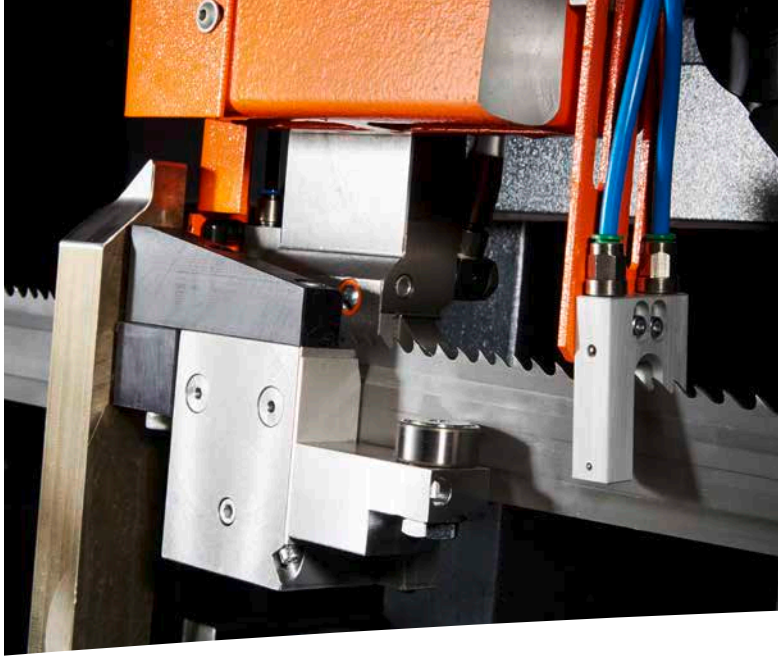
KASTO*win tube A 5.0*

Productive and innovative

The KASTO*win tube A 5.0* is a fully automatic bandsaw that has been specially optimised for working with tubes. The sawing process begins from below. The bandsaw runs almost free of any disruptive influences caused by chips. The entire process is fully tool-friendly and calculable.

Chips no longer pose an issue for the sensitive tool. This also makes it possible to use carbide sawbands specially developed for sawing pipes.

Technical Data		KASTO*win tube A 5.0*
Cutting range, round	mm	520
Cutting range, square [H x W]	mm	560 x 520
Saw motor, frequency-controlled	kW	5.5
Total power	kW	8.0
Sawband dimension	mm	7,067 x 54 x 1.6
Optional sawband dimension	mm	7,067 x 54 x 1.3
Material support height	mm	700
Length x width x height	mm	1,705 x 3,339 x 3,800
Weight	kg	3,800



The solution for pipe sawing

When cutting pipes to length in the usual way, over 50% of the saw chips accumulates on the pipe base. This poses a problem for the tool. For about 15-20% of the feed path, the sawing tool moves through the chips on the pipe base and drags them through the cutting channel. This inevitably leads to micro-breaks and sometimes even complete tooth breaks at the sensitive tip of the tooth. Tool lives are known to be short with this form of machining. The tool costs are equally high. An additional cost driver is the frequent downtimes that arise in unmanned operation due to band breaks or cutting paths.

The solution: the KASTO*win tube*, unlike the other KASTO*win*-models, has the saw feed direction rotated by 180 degrees, with sawing taking place upwards from the support surface. This ensures an efficient, precise and tool-friendly sawing process, since the tool does not have to pass through any accumulation of chips. This significantly reduces downtimes, band breaks and cutting distances. In addition, the self-adjusting, motor-driven chip removal brush on all models ensures excellent chip removal from the sawband.

KASTO*win A 10.6*

The solution for large workpieces

High-performance automatic bandsaw for series cuts of easy to difficult-to-machine materials, in solid material, pipes and profiles. Modern, standard preloaded linear guides *recirculating guide units with two grease-lubricated guide carriages) ensure maximum service life.

The *ProControl* control system, which comes as standard, enables optimal machine operation.

The Order Wizard enables simple, clear order entry.

Once the target number of pieces has been reached, the machine switches off automatically. In Automatic mode, maximum cutting performance is achieved with downtime reduced to a minimum. The precise ball screw drive of the material feed enables exact material length positioning.

Technical Data		KASTO*win A 10.6*
Cutting range, round	mm	1,060
Cutting range [H x W]	mm	1060 x 1060
Saw motor, frequency-controlled	kW	7.5
Total power	kW	15
Sawband dimension	mm	10,422 x 80 x 1.6
Optional sawband dimension	mm	10,422 x 67 x 1.6
Material support height	mm	700
Length x width x height	mm	3,353 x 4,933 x 3,555
Weight	kg	12,600

KASTO*win F 10.6* - tabletop version

Reliable feeding for heavy workpieces

For eff icient handling of heavy, large and / or bulky ingots

In order to increase its range of applications and to simplify the often tedious handling of heavy and large-sized workpieces, KASTO has added a new member to the product family: The KASTO*win F 10.6* model, which has a cutting range of 1,000 x 1,060 millimetres, is available with a movable material support table. The saw is highly suitable for steel producers, steel traders and large tool makers: For example, the table can be used to easily and reliably feed raw blocks, moulds or materials with pre-forged geometries. The table support length is 2,600 millimetres, the table has a travel distance of 3,700 millimetres and a load capacity of up to 18 tons. It can be moved with precise positioning at a speed of up to three metres per minute. The table is guided longitudinally by two linear guides, each with four grease-lubricated roller circulation units. The feed is carried out precisely using a backlash-free ball screw, and a hydraulic horizontal vice on the discharge side of the sawband secures the workpiece.

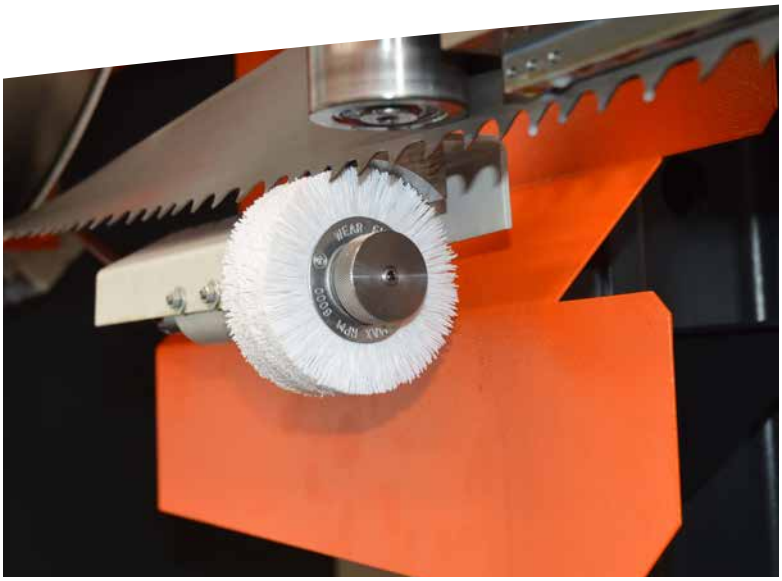
Technical Data		KASTO*win F 10.6*
Cutting range, round	mm	1,060
Cutting range [H x W]	mm	1060 x 1060
Saw motor, frequency-controlled	kW	7.5
Total power	kW	15
Sawband dimension	mm	10,422 x 80 x 1.6
Optional sawband dimension	mm	10,422 x 67 x 1.6
Material support height	mm	700
Length x width x height	mm	7,240 x 4,750 x 3,590
Weight	kg	14,250

Comprehensive programme and accessories

With the individual equipment options and the comprehensive accessories, the machine is optimally adapted to the respective requirements. For this purpose, KASTO offers useful accessory solutions adapted to the tasks.

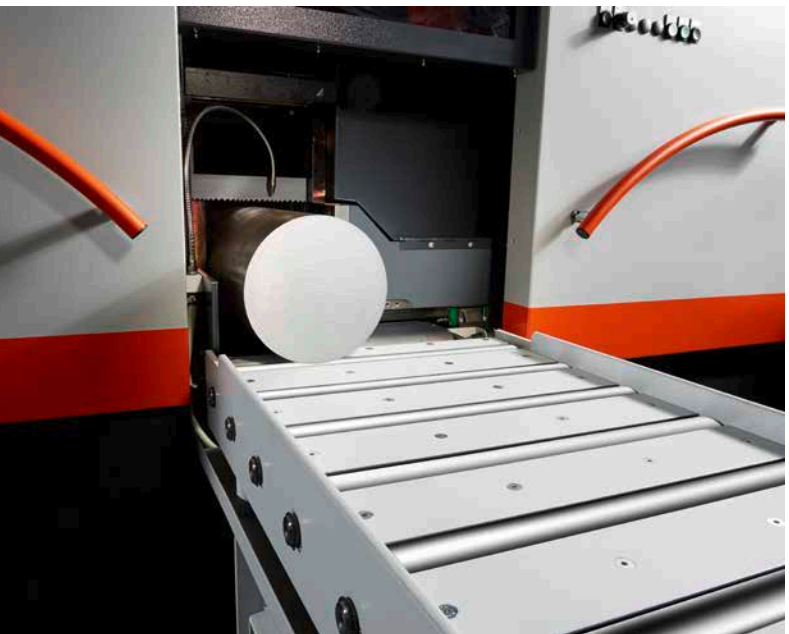
They improve efficiency, reliability and flexibility. Different roller conveyor concepts are also available for the effective use of semi- or fully automatic sawing machines. A great range of accessories makes it possible to design systems according to customer-specific requirements.

Coolant hose for cleaning the work area / clamping force regulation



Self-adjusting, motor-driven chip removal brush

Roller conveyors on the infeed and outfeed sides in various lengths and designs



Double roller conveyor for automatic material change (win 3.6, 4.6, 5.6 and win tube 5.0)

KASTO*win F*

- Material feed with 1,500 mm feed length (KASTO*win 3.6*, *4.6* and *5.6* / *tube 5.0*)
- Partially powered machine roller conveyor
- Inclined magazine
- Double roller conveyor (KASTO*win 3.6*, *4.6* and *5.6* / *tube 5.0*)
- Chain magazine (KASTO*win 4.6*)

ProControl control system

Outfeed table

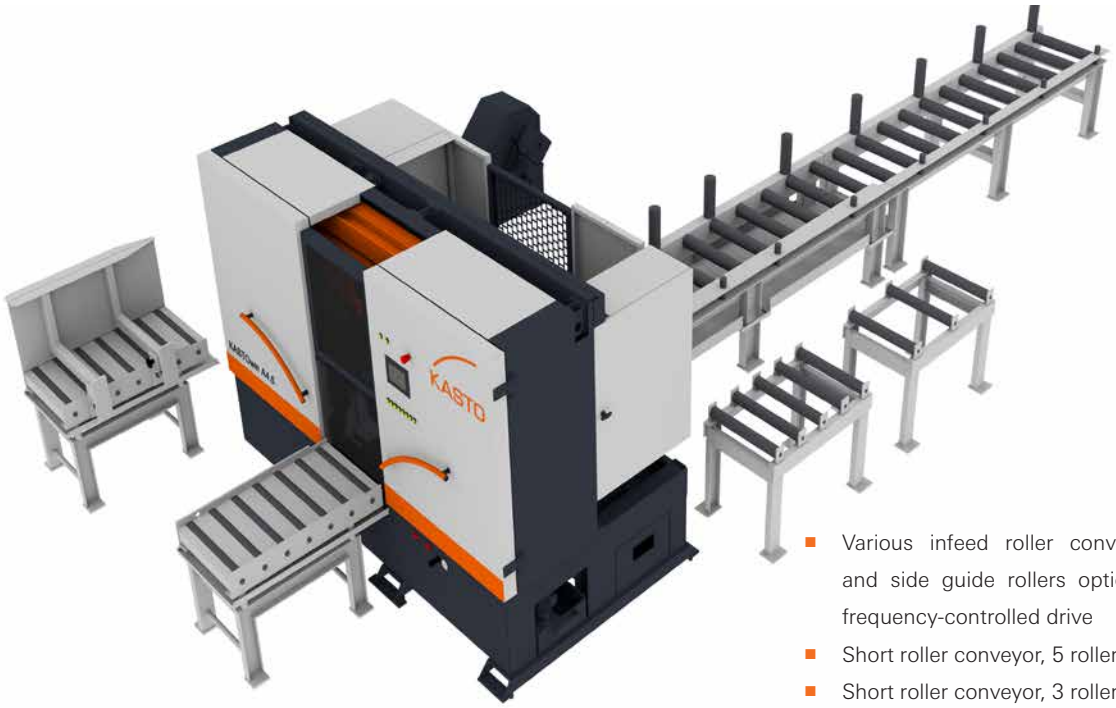
Material feed with 1,500 mm feed length (3.6, 4.6 and 5.6)

Hydraulic bundle clamping device including closing limiter

Perfection from the factory

The KASTO*win* accessories overview

- *RemoteAssistant* control system
- 0-dimensional start for fully automatic positioning of the first cut and KASTO*sense* for fully automatic detection of the material height
- Safety package with sawband monitoring as well as monitoring of coolant quantity and sawband breakage
- Laser for cutting line projection
- LED machine lamp
- Minimum quantity lubrication system
- Coolant hose for cleaning the work area
- Opening and closing limiter (for KASTO*win 3.6 / 4.6 / 5.6 / tube 5.0*)
- Clamping force regulation
- Chip conveyor (helical design)
- Auxiliary chip conveyor in a space-saving position, ejection height 1,000 mm
- Performance package with higher drive power
- Heating package with special hydraulic oil, coolant heating and control cabinet heating
- Cooling package for hydraulics and control cabinet
- Mechanical hold-down device (for KASTO*win A 3.6 / 4.6 / 5.6 / tube 5.0*)
- Hydraulic layer clamping device including closing limiter (for *KASTOwin A 3.6 / 4.6 / 5.6 / tube 5.0*)
- Hydraulic bundle clamping device including closing limiter
- Steel oil tray, painted
- Vertical roll
- Roller conveyors on the infeed and outfeed sides in various lengths and designs
- Three-colour signal light



- Various infeed roller conveyors with rollover protection and side guide rollers optionally with coolant return and frequency-controlled drive
- Short roller conveyor, 5 rollers
- Short roller conveyor, 3 rollers
- Outfeed roller conveyor approx. 1 m with side guide plates
- Outfeed roller conveyor approx. 1 m with roll-over protection

Roller conveyors for KASTO*win*

Quickfinder KASTO*win*		*A 3.6*	*A 4.6*	*tube A 5.0*	*A 5.6*	*A 10.6*
Load capacity	t/m	2.0	3.0	3.0	3.0	9.0
Short roller track 3 R		■	■	■	■	
Short roller track 5 R		■	■			
Feed approx. 2 metres	oA					
	ma					■
	KR					■
Feed approx. 3 metres	oA	■	■	■	■	
	ma	■	■	■	■	■
	KR	■	■	■	■	■
Feed approx. 4 metres	oA		■	■	■	
	ma		■	■	■	■
	KR		■	■	■	■
Feed approx. 5 metres	oA	■	■	■	■	
	ma	■	■	■	■	■
	KR	■	■	■	■	■
Extension approx. 2 metres free-standing	oA	■				
	ma					
	KR					
Additional engine			■	■	■	
Outfeed approx. 1 metre	oA	■	■	■	■	■
	ma					
	SfB	■	■	■	■	■
Outfeed approx. 2 metre	oA	■	■	■	■	
	ma					
	SfB	■	■	■	■	
Lateral guide roller			■	■	■	
Adjustable lateral guide roller		■	■	■	■	

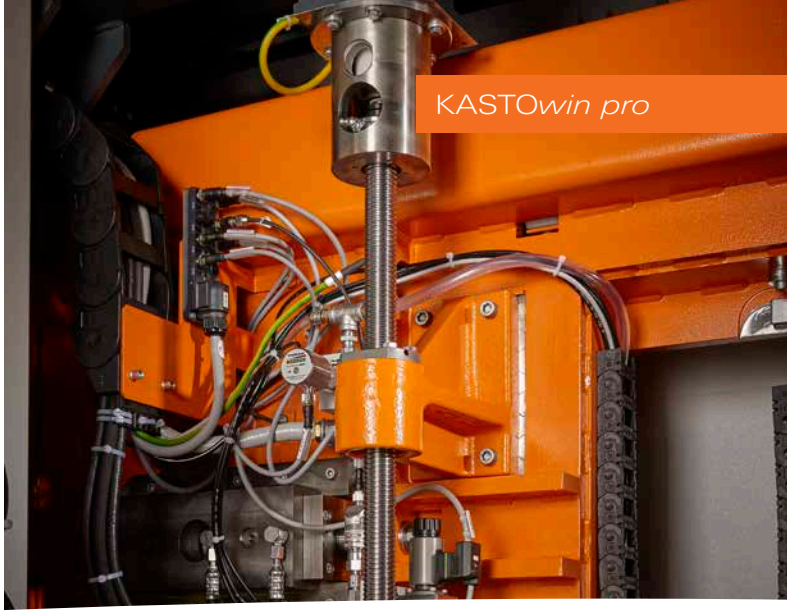
oA = without drive mA = with drive KR = coolant return SfB = side guide plates

KASTO*win pro*

High-tech for the efficient use of bi-metal and carbide saw blades

The KASTO*win pro AC 5.6* bandsaw machine impresses with its stand-out properties: extremely smooth running, highest cutting performance and optimum band service life. The key factor here is the stable, vibration-optimised saw unit in a high-quality, modern welded steel construction. The saw frame guided on both sides with modern linear guide systems and the hydraulically preloaded , integrated band guides also provide more stability. The KASTO*win pro AC 5.6* was developed to optimise use of the bi-metal and carbide tool technologies available on the market. An extensive technology database is integrated into the control.

Technical Data		KASTO*win pro AC 5.6*
Cutting range, round	mm	560
Cutting range [W x H]	mm	560 x 560
Material feed length, simple (option)	mm	500 (1,500)
Multiple feed	mm	9,999
Shortest cut piece length	mm	10
Smallest dimension to be sawn	mm	25 x 25
Shortest remnant length in automatic mode	mm	35
Infinitely adjustable cutting speed	m/min	12 – 150
Saw motor, frequency-controlled	kW	11.0
Total power	kW	15.5
Sawband dimension (option)	mm	7,067 x 54 x 1.6 (7,067 x 54 x 1.3)
Material support height	mm	700
Length x width x height	mm	1,650 x 3,300 x 2,280
Weight	kg	4,300



The KASTO*win pro* offers several time-saving advantages

- Optimum sawband service life thanks to the patented band-free lift when lifting the saw frame
- 0-dimension start for fully automatic positioning of the first cut
- Controlled saw feed movement via two ball screws
- Optimum sawband cleaning thanks to an electric motor-driven, self-adjusting chip removal brush
- Fast movement thanks to servo drives and ball screws for material feed and linearly guided saw frame
- Automatic band guide arm adjustment to material width
- Easy-to-use *ProControl* sawing machine control takes care of the most important settings. Easy entry of sawing orders with cut piece lengths, quantities and material selection.
- Effective material utilisation up to remnant lengths of 35 mm
- New division: The drive unit and sensors are fully separated from the actual work area - enabling consistent, hassle-free work
- Material clamps with free lifting devices ensure reliable automatic operation
- High cutting performance with impressive repeat accuracy
- Good accessibility with full compliance with current safety standards
- 50% savings in wear costs compared to previous machines

Perfection from the factory

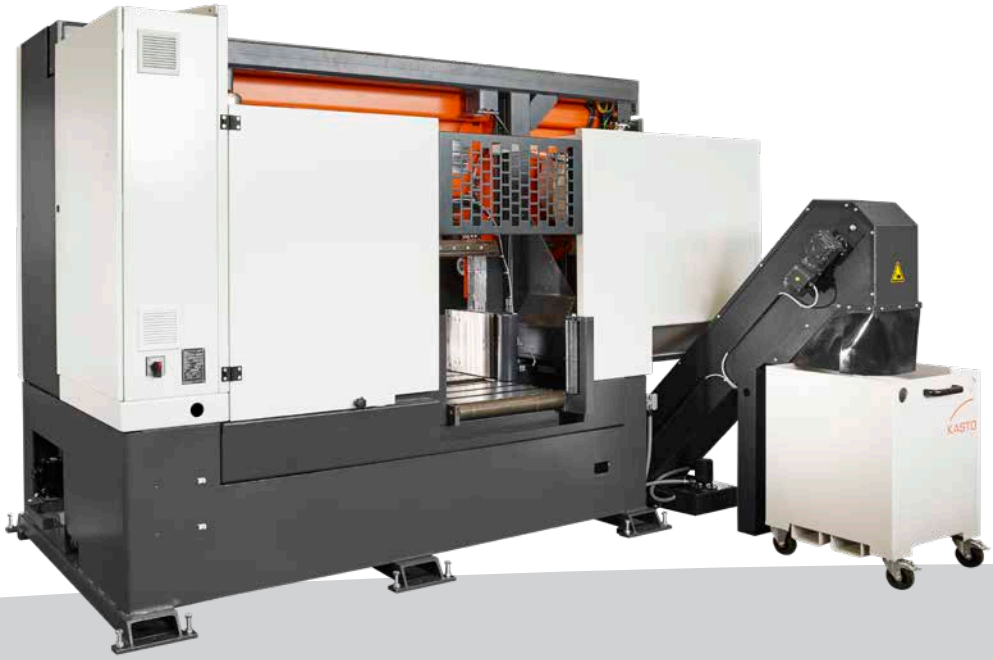
Comprehensive accessories for KASTO*winpro*:

- *ExpertControl* control with larger display
- Laser for cutting line projection
- LED machine lamp
- Minimum quantity lubrication system
- Coolant hose for cleaning the work area
- Opening and closing limiter
- Clamping force regulation
- Auxiliary chip conveyor in a space-saving position, ejection height 900 mm
- Heating package with special hydraulic oil,
- Coolant heating and control cabinet heating
- Cooling package for hydraulics and control cabinet
- Mechanical hold-down device
- Hydraulic layer clamping device (including closing limiter)
- Hydraulic bundle clamping device (including closing limiter)
- Steel oil tray, painted or in stainless steel
- Vertical roller
- Roller conveyors on the infeed and outfeed sides in various lengths and designs
- Three-colour signal light

KASTO*win pro* variant *F*:

- Material feed with 1,500 mm feed length
- Partially powered machine roller conveyor
- Inclined magazine
- Double roller conveyor
- Chain magazine

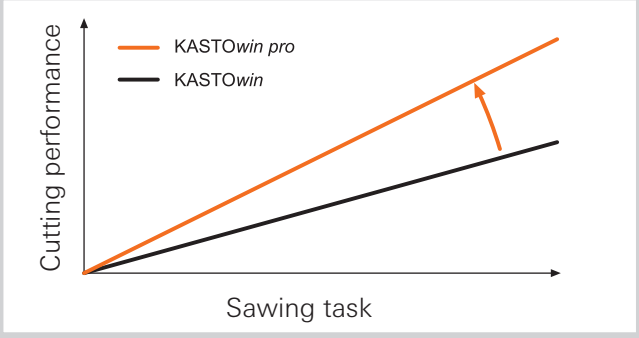
Increase your productivity



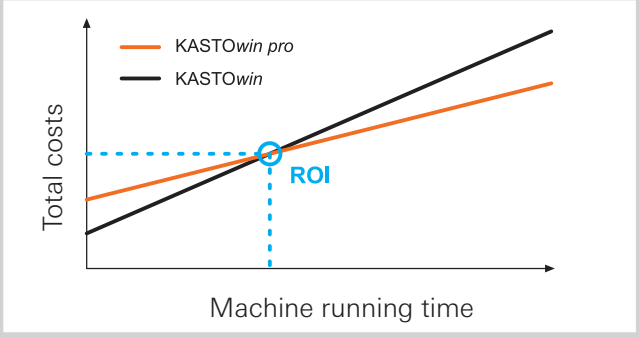
More productivity with the KASTO*win pro AC 5.6*

The high-performance automatic bandsaw is suitable for serial cuts in solid material, pipes and profiles. The model is based on the successful KASTO*win* series and has been optimised with a more powerful drive motor and a high-precision feed for use with hard and bi-metal sawbands. Users can thus significantly reduce their cutting times and increase tool life. This is ensured, among other things, by the innovative feed system, which can be adjusted continuously and with high precision via two ball screw spindles, each with a servo motor. The KASTO*win pro AC 5.6* also has a free lifting device on both sides, which lifts the band from the cutting surface when the saw unit moves back. This enables a particularly efficient, precise and tool-friendly sawing process.

More cutting performance



More efficiency



KASTOtec

High-tech for the efficient use of bi-metal and carbide saw blades

Technical Data		*AC 4*	*AC 5*	*AC 8*	*AC 8x10*
Cutting range, round	mm	430	530	830	270 - 830
Cutting range, square [H x W]	mm	430 x 430	530 x 530	830 x 830	830 x 830
Cutting range, flat [H x W]	mm	430 x 430	530 630	830 x 830	830 x 1100
Material feed length, simple	mm	600	600	750	750
Optional feed length, simple	mm	1,500 / 3,000	1,500 / 3,000	-	-
Multiple feed	mm	9,999	9,999	9,999	9,999
Shortest cut piece length	mm	6	6	8	8
Smallest dimension to be cut	mm	10	10	20	20 x 270
Shortest remnant length in automatic mode	mm	35	35	50	50
Infinitely adjustable cutting speed	m/min	30 – 300	30 – 300	20 - 200	20 - 200
Saw motor	kW	15	15	18.5	18.5
Total power	kW	25	25	30	30
Sawband dimension	mm	6,830 x 41 x 1.3	7,675 x 54 x 1.6	9,195 x 67 x 1.6	9,735 x 80 x 1.6
Sawband dimension option I	mm	6,830 x 34 x 1.1	7,675 x 34 x1.1	9,195 x 80 x 1.6	9,735 x 67 x 1.6
Sawband dimension option II	mm	-	-	9,195 x 41 x 1.3	-
Material support height	mm	700	700	730	730
Length x width incl. Chip conveyor x height	mm	2,166 x 4,717 x 2,602	2,235 x 5,335 x 2,820	2,710 x 4,900 x 3,140	2,720 x 5,160 x 3,050
Weight	kg	4,850	6,550	12,000	14,100

More productivity with KASTO*tec* models

The open secret of efficient automatic saws consists in two things: high cutting performance and low downtime. The KASTO*tec AC 4* was developed for the optimal use of the bi-metal, bi-metal plus, carbide and carbide plus tool technologies available on the market. This achieves optimal productivity with higher cutting performance and more economical use of carbide strips. The control used in the machine enables automatic allocation and permanent storage of the cutting technology tailored to the corresponding material qualities and the sawband used (bi-metal or hard metal). This not only reduces tool costs, but is also reflected in significantly shorter cutting times; depending on the sawband. Savings of 50 per cent or more are possible. The simple operation and the well thought-out material handling reduce downtime and thus create the best conditions for maximum efficiency.

Productive and innovative

The KASTO*tec AC* models combine solid, heavy mechanical engineering and innovative control technology. A continuously adjustable, electromechanical saw feed with two servo motors and ball screws offers the best conditions for efficient, sensitive and tool-friendly sawing.

Smoother running

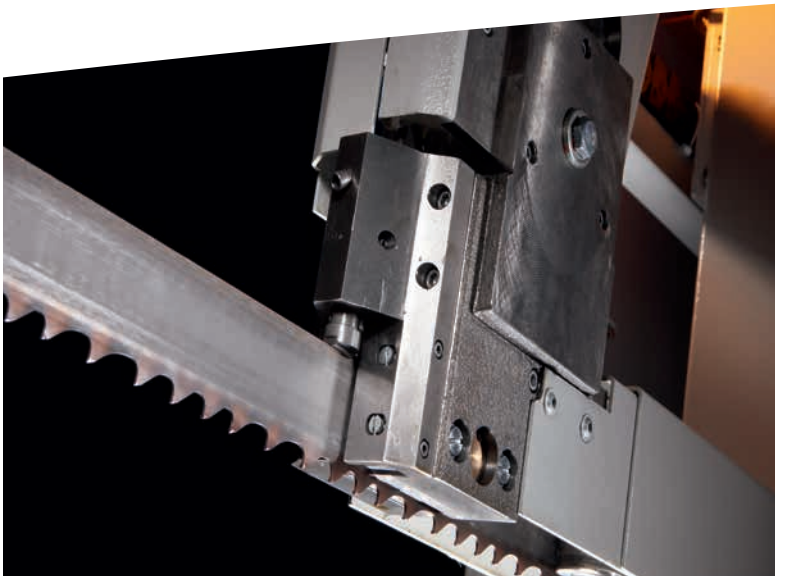
The use of mineral casting guarantees a high level of damping and extremely smooth sawband running, even with materials that are difficult to machine.

This results in shorter cutting times and longer sawband service life.

More precision

U-shaped band guide head with newly designed side guide for optimal surface pressure of the sawband. Double bearing of the running wheels, guidance of the saw unit via two columns. Vibration dampening by introducing mineral casting into the saw frame and damping guides on the return strand.

KASTO *ProControl* control system



U-shaped tape guide head with band free lifting device.

Stable saw frame with double wheel bearings.

Modern machine tool construction:
steel jacket cast with mineral casting

More energy efficiency

All saws in the series have frequency-controlled saw motor drives in energy efficiency class IE3, which enable cutting speeds of 30 to 300 metres per minute. Servo drives ensure precise material and saw feed. The hydraulics are also designed for the highest possible energy efficiency. This results in the following savings:

- Hydraulics energy saving approx. 93%*
- Total energy saving: approx. 28% (depending on the sawing task)*
- Use of the latest servo technology
- High efficiency with small size
- Intelligent inverter technology for optimal drive control
- Reduced to the clamping functions, the hydraulics are only rarely activated and are therefore extremely efficient.
- The DC link coupling of the inverters makes optimal use of synergy effects.

More technology

A wide variety of tool technologies available on the market can be used, like for instance, bi-metal, bi-metal+, carbide and carbide+. Optimal performance data developed in co-operation with leading tool manufacturers.

More power

The large, frequency-controlled saw drive with a cutting speed of 30 - 300 m/min (20 - 200 m/min for KASTO*tec AC 8* and *8x10*) guarantees perfect cutting performance.

More downtime

The steel casing of the saw frame, which is cast with mineral cast, is the basis for the stand-out properties: extremely smooth running and top cutting performance even in difficult-to-cut material qualities with excellent service life.

KASTO*tec AC 4*

KASTO*tec AC*, the heavy-duty, high-performance automatic band saw with horizontally parallel moving sawband, for cutting solid material, profiles and pipes of all qualities, including difficult-to-machine materials such as titanium, Hastelloy, Inconel, etc.

The optimal use of carbide or bi-metal saw blades was at the forefront of our thinking when developing this machine. The machine offers all the well-known features of the *KPC* package (KASTO *Performance Cutting*).

Technical Data		KASTO*tec AC 4*
Cutting range, round	mm	430
Cutting range, square [H x W]	mm	430 x 430
Cutting range, flat [H x W]	mm	430 x 430
Shortest cut piece length	mm	6
Smallest dimension to be cut	mm	10
Shortest remnant length in automatic mode	mm	35
Saw motor	kW	15
Total power	kW	25
Sawband dimension	mm	6,830 x 41 x 1.3
Sawband dimension option I	mm	6,830 x 34 x 1.1
Sawband dimension option II	mm	-
Length x width incl. Chip conveyor x height	mm	2,166 x 4,717 x 2,602
Weight	kg	4,850

KASTO*tec AC 5*

The powerful control enables intuitive machine operation and maximum cutting performance thanks to the reduced downtime in automatic operation. All parameters can be optimally adapted to the type of sawband used. This not only reduces tool costs, but is also reflected in significantly shorter cutting times: Savings of 50 per cent or more are possible, depending on the sawband.

Technical Data		KASTO*tec AC 5*
Cutting range, round	mm	530
Cutting range, square [H x W]	mm	530 x 530
Cutting range, flat [H x W]	mm	530 630
Shortest cut piece length	mm	6
Smallest dimension to be cut	mm	10
Shortest remnant length in automatic mode	mm	35
Saw motor	kW	15
Total power	kW	25
Sawband dimension	mm	7,675 x 54 x 1.6
Sawband dimension option I	mm	7,675 x 34 x1.1
Sawband dimension option II	mm	-
Length x width incl. Chip conveyor x height	mm	2,235 x 5,335 x 2,820
Weight	kg	6,550

KASTO*tec AC 8*

High-tech in a large format

The KASTO*tec* Power bandsaw machine impresses with its excellent dynamic properties: It boasts the smoothest running, the highest cutting performance and the best band service life.

The starting point for this is the stable, vibration-optimised saw unit in a high-quality steel-mineral cast composite construction. Another benefit for more stability: The robust, double-sided storage of the belt wheels and the precise two-column guidance with modern linear guidance systems.

Technical Data		KASTO*tec AC 8*
Cutting range		
90°	mm	830 / 830 x 830 / 830 x 830 / 830 / 830 x 830 / 830 x 830
Automatic material feed length, simple	mm	750
Shortest remnant length in automatic mode	mm	50
Footprint for basic machine including chip conveyor (L x W x H)	mm	2,650 x 4,900 x 3,050
Total connected load/saw motor power	kW	20.0 / 11.0
Sawband dimension (option)	mm	9,195 x 67 x 1.6

KASTO*tec AC 8x10*

Optimised for smooth running, high cutting performance and long belt life

The high cutting performance combined with quick setup and optimised material transport significantly reduce the costs per cut. Further advantages for more efficiency:

- Effective material utilisation down to a 50 mm residual piece
- Belt guide units with integrated wipers – insensitive to dirt
- New division: The drive unit and sensors are fully separated from the actual work area - enabling consistent, hassle-free work
- *ProControl* sawing machine control with ergonomic, workshop-oriented operation via colour touch panel

Technical Data		KASTO*tec AC 8* x 10
Cutting range		
90°	mm	270 - 830 / - / 830 x 1,100 / 270 - 803 / - / 830 x 1,100
Automatic material feed length, simple	mm	750
Shortest remnant length in automatic mode	mm	50
Footprint for basic machine including chip conveyor (L x W x H)	mm	2,640 x 5,160 x 3,050
Total connected load/saw motor power	kW	20.0 / 11.0
Sawband dimension (option)	mm	9,735 x 80 x 1.6

The standard equipment of KASTO*tec*

- Sawband guides via hydraulically preloaded carbide glide guides
- Electronic monitoring of the hydraulic sawband tensioning
- Infinitely variable cutting speed, centrally adjustable
- Optimum sawband service life thanks to the patented band-free lift when lifting the saw frame
- 0-dimensional start for fully automatic positioning of the first cut and KASTO*sense* for fully automatic
- detection of the material height
- Controlled saw feed movement via two ball screws
- Optimum sawband cleaning thanks to an electric motor-driven, self-adjusting chip removal brushes
- Fast movement thanks to servo drives and ball screws for material feed and linearly guided saw frame
- Automatic band guide arm adjustment to material width
- Easy-to-use *ProControl* sawing machine control takes care of the most important settings. Easy entry of sawing orders with cut piece lengths, quantities and material selection.
- Effective material utilisation up to remnant lengths of 35 mm
- New division: The drive unit and sensors are fully separated from the actual work area - enabling consistent, hassle-free work
- Material clamps with free lifting devices ensure reliable automatic operation
- High cutting performance with impressive repeat accuracy
- Good accessibility with full compliance with current safety standards
- 50% savings in wear costs compared to previous machines Time savings with KASTO*respond*

Full programme for full productivity

KASTO*tec* accessories

- Automatic material infeed with the technology controls KASTO *ProControl* and KASTO *Expert-Control*
- Clamping pressure reduction
- Minimum quantity lubrication system
- Extended material feed to 1,500 or 3,000 mm
- Heating package
- Cooling package
- KASTO double roller conveyor
- KASTO inclined magazine
- KASTO universal magazine
- KASTO cut piece sorting system
- KASTO disc turner
- KASTO pallet carousel
- KASTO*sort* robot material sorting
- KASTO cut piece marking system
- The connection to KASTO sawing centres and KASTO bar stock storage is easy to implement

Many other custom solutions on request

KASTO*hba*

Large bandsaw machines for heavy production use

Technical Data		U/A 10 x 12	U/A 13	U/A 13 x 17
Cutting range, round	mm	1,060	1,320	1,320
Cutting range, square	mm	1,060 x 1060	1,320 - 1,320	1,320 x 1320
Cutting range, flat	mm	1,060 x 1260	-	1,320 x 1720
Smallest dimension to be sawn (H x W)	mm	20 x 300	20 x 300	20 x 500
Feed system in the automatic version		Support table	Support table	Support table
Automatic feed length	mm	2,100	2,100 - 6,100	2,100 - 6,100
Smallest cut piece length	mm	10	10	10
Dimensions and weights				
Length	mm	1,700 / 5,720	1,700/5,720	1,700/5,720
Width of the machine (including chip conveyor)	mm	5,470 (6,460)	6,000 (7,050)	6,450 (7,450)
Height (saw part in highest position)	mm	3,420	4,200	4,250
Support table size (L x W)	mm	2,500 x 1320	2,500 x 1320	2,500 x 1720
Load capacity of the support table	t	20	34	44
Material support height	mm	700	700	700
Weight	kg	19,100 / 10,500	12,100/20,000	14,100/22,000
Performance characteristics				
Total connected load	kW	20	20	20
Carbide option: Total connected load	kW	27	27	27
Drive power saw motor	kW	11	11	11
Carbide option: Drive power saw motor	kW	18	18	18
(Infinitely adjustable) cutting speed	m/min	12 - 90	12 - 90	12 - 90
Sawband dimension	mm	11,430 x 80 x 1.6	12,780 x 80 x 1.6	13,460 x 80 x 1.6

Cut large workpieces efficiently

Well thought-out design for more effectiveness.

The large bandsaws from the KASTO*hba* series combine everything that modern mechanical engineering and KASTO's superior experience have to offer for the efficient sawing of large workpieces. The result: robust, extremely solid design, high rigidity and very good vibration damping, short cutting times and high sawing performance. The best conditions for effective use in mechanical and tool construction, heavy industry, shipbuilding and forging as well as in steel production and trading.

Wide range of sizes for individual adaptation to needs

Three sizes cover cutting ranges from 1,060 x 1,260 mm (KASTO*hba 10* x 12) to 1,320 x 1,720 mm (KASTO*hba 13* x 17). All three sizes are available as semi-automatic KASTO*hba U* and as fully automatic KASTO*hba* A. For the larger models, the programme includes either roller conveyors with feed vices, e.g. for particularly long workpieces, or NC-controlled feed tables that can be moved via a ball screw spindle. On request, sophisticated additional equipment for sawing with carbide saw bands is also available. A wide range of accessories rounds off the customisation options.

Stiffness means speed: Composite saw unit construction

The excellent rigidity of the upper part, a composite construction made of steel and mineral cast, enables enormous vibration damping and ensures that the sawband runs smoothly and provides high cutting precision. The KASTO*hba* series machines, with a two-column design, saw profiles, pipes and solid materials up to a width of 1,720 mm quickly and cleanly. The stability advantages of the mineral cast construction come into play, especially when it comes to materials that are difficult to machine. The result: shorter cutting times and longer sawblade service life.

KASTO*hba A 13*

For efficient cuts up to 1,320 mm

Precise and low-maintenance guides: Guarantees for consistency and repeatability. The KASTO*hba 13* offers a cutting range of 1,320 x 1,320 mm for square material. With the 11 kW saw drive, your bi-metal or carbide saw blades can cut even difficult-to-cut materials in a short time. For safe material transport, the hydraulic horizontal vice offers a free lifting device for the fixed clamping jaw. Fully automatic KASTO*hba A 13* with KASTO *ProControl* saw control. A finely adjustable ball screw spindle controls the automatic material feed. Precise, large dimensioned guides guarantee repeatedly accurate feed values. The upper part of the saw is fed on ground and hardened strips via adjustable, preloaded rollers or through backlash-free, friction-minimised linear guides. This means that constant and repeatedly reproducible feed values can be achieved.

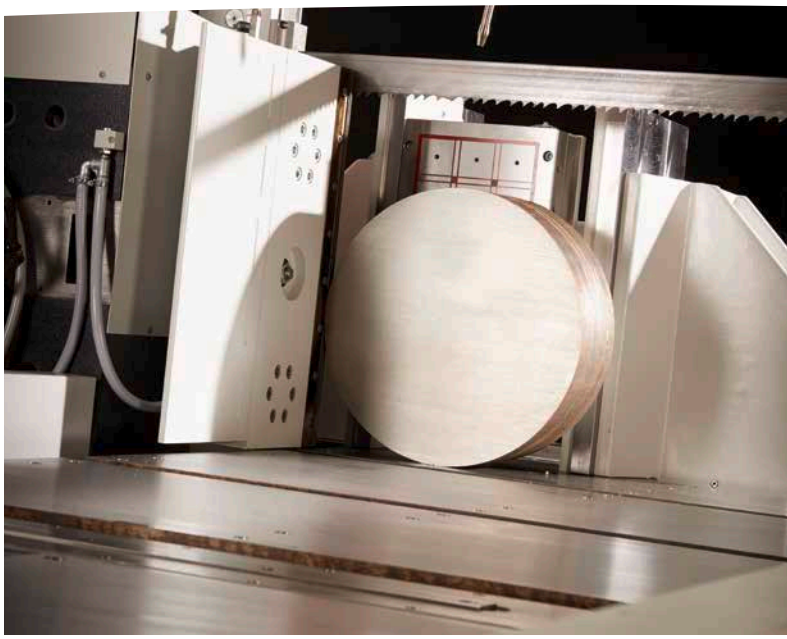
Lots of features from the factory

- Saw head and band guide arm adjust fully automatically via light barriers to material height and material width.
- KASTO *ProControl* saw control
- Feed control with KASTO universal hydraulics UH: long service life and precise cut pieces thanks to precise feed even at extremely small feed values
- KASTO *BandControl* cut monitoring
- Hydraulically preloaded carbide slide guides of the sawband
- Hydraulic and electronic control of sawband tensioning
- Attached hydraulic system is optimally accessible
- Safety barrier on infeed side
- Chip conveyor for long chips
- Chip removal brush, motor driven

The KASTO*hba* accessories range

- Safety package, recommended for unmanned operation
- Carbide package
- Separately set-up control panel, useful for discharge roller conveyors
- Heaters for control cabinets, hydraulics and cooling lubricants for problem-free use in cold halls
- Hydraulic oil cooling
- Cooling unit for control cabinet
- Infrared remote control
- Cutting depth adjustment
- Laser lamp
- Infeed and outfeed peripherals in graduated load classes

Übersichtliche Bedienung mit KASTO *ProControl*



Die optionalen Magnetspannplatten halten Reststücke zuverlässig in Position.

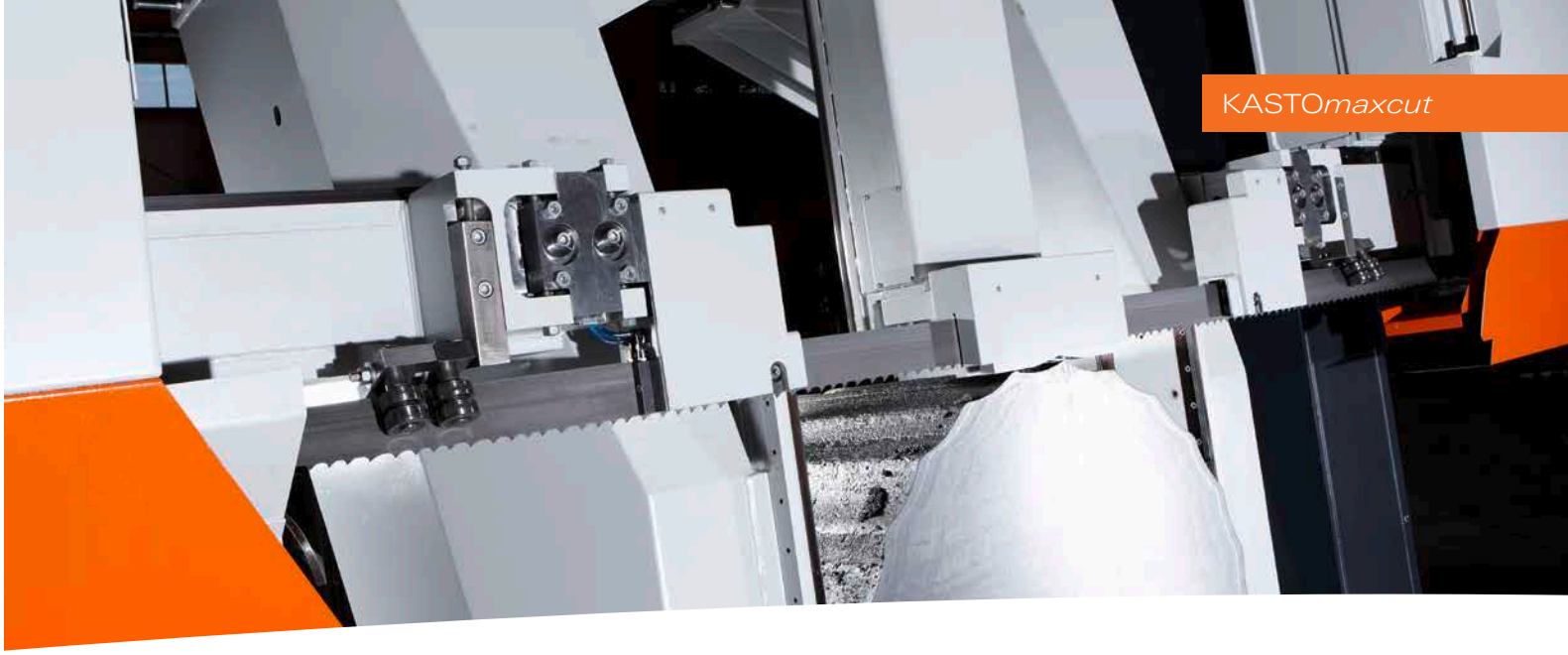
Richteinrichtung, hydraulisch heb- und senkbar sowie quer verschiebbar

Flexible Bedienung mit der Infrarot-Fernbedienung

KASTO*maxcut*

High-performance bandsaw machine in portal design

Technical Data		KASTO*maxcut A 20*
Cutting range, round	mm	2,060
Cutting range, square	mm	2,060 x 2060
Cutting range, flat	mm	2,060 x 2060
Smallest dimension to be sawn	mm	Ø 500
Clamping range	mm	500 - 2,060
Smallest cut piece length	mm	10
Minimum remnant length single cut	mm	20
Minimum remnant length in automatic mode	mm	100
Length	mm	9,800
Width	mm	7,620
Height (saw part in highest position)	mm	5,495
Material support height	mm	700
Weight	kg	50,000
Size of the table (LxW)	mm	5,100 x 2100
Travel path	mm	4,100
Load capacity	t	140
Total connected load	kW	40
Saw motor	kW	22
(Infinitely adjustable) cutting speed	m / min	8 - 80
Sawband dimension	mm	17,424 x 80 x 1.6 17,424 x 100 x 1.6



Well thought-out design for more effectiveness

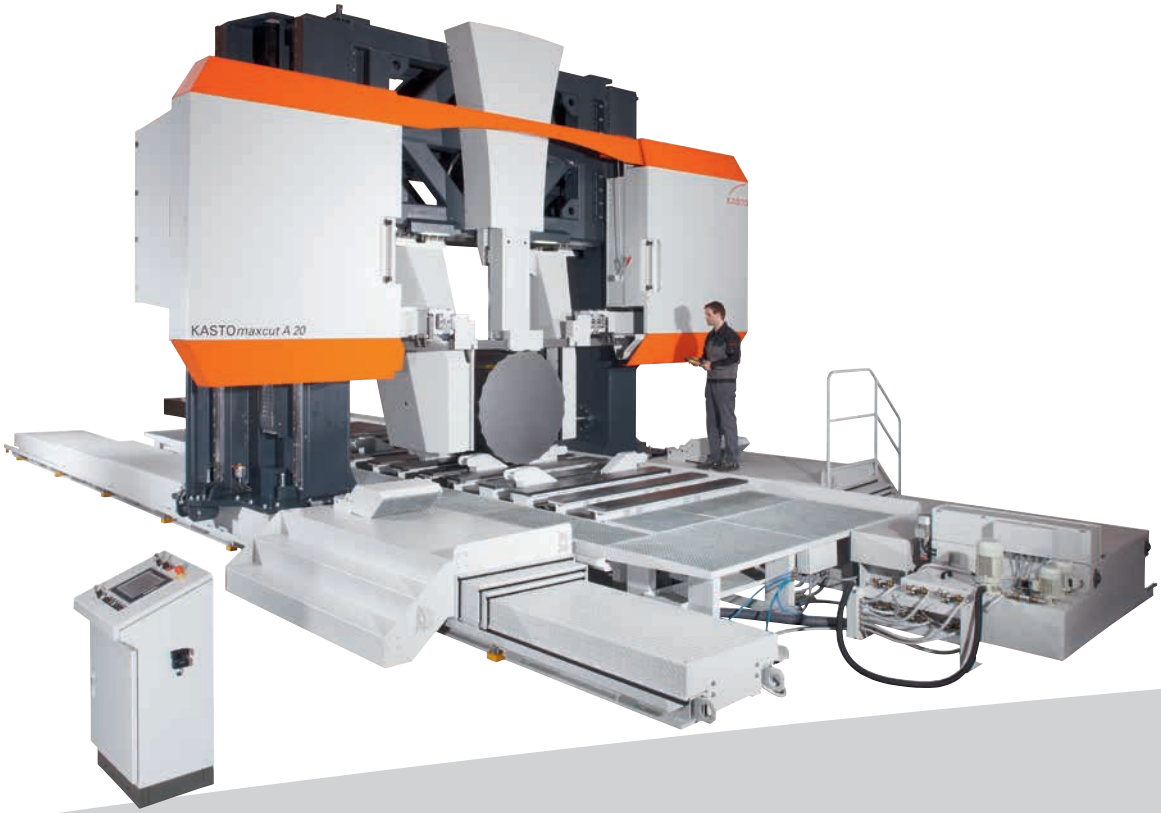
The high-performance automatic bandsaw in portal design (gantry) for large material dimensions, slabs, permanent moulds, forged shafts, free-form forged parts, ship crankshafts, shafts for turbines, large tools in all grades, including difficult-to-cut materials (e.g. titanium, Hastelloy, Inconel).

Due to its extremely heavy-duty design, the KASTO-*maxcut* is designed for medium to very heavy production use and is suitable for the use of bi-metal and carbide strips. Due to its extremely heavy-duty design, the KASTO*maxcut* is designed for medium to very heavy production use and is suitable for the use of bi-metal and carbide strips.

Your benefits at a glance

- The extremely robust design and high rigidity of this large bandsaw ensure extremely good vibration damping and therefore short cutting times and high sawing performance
- Horizontal vices can be moved hydraulically or using spindles
- The saw frame automatically adjusts to the height of the material using light barriers
- Hydraulically preloaded carbide slide guides of the sawband
- Hydraulic and electronic control of sawband tensioning

KASTO*maxcut A 20*



Cut large workpieces efficiently

The KASTO*maxcut* large bandsaw machine uses sawbands with a height of 100 mm; both bi-metal and carbide sawbands can be used. The KASTO*maxcut A 20* has a cutting range of 2,000 x 2,000 mm and a table length of 6,000 mm or a travel distance of 6,100 mm.

The key features are the solid portal construction, the practical design, the flexibility of application and use, the comfortable handling of large as well as smaller workpieces in the machine, the simple programming and operation via control, and last but not least the proven top cutting performance. Equipped with, for example, modern high-performance machine elements and roller guides, a powerful saw drive (low-backlash planetary gear and belt pre-stage), two saw heads in the upper part of the machine, which are moved using a ball roller feed system, the oscillating sawband movement system, solid carbide sliding jaws and rollers for sawband guidance as well as band path and band tension monitoring, the KASTO*maxcut* achieves excellent long-term cutting performance and reproducible cutting accuracy.

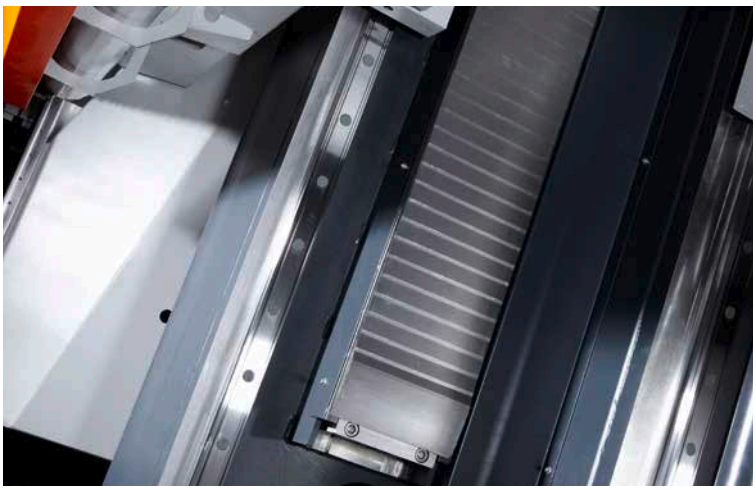
Last but not least, the positionally secure and reliable clamping of the workpieces using a vertical vice, a large coolant system and a clever chip conveyor system ensure a high level of process reliability, meaning that the KASTO*maxcut* can do its work in low-operation multi-machine operation.

Your benefits at a glance

- Solid portal construction
- Practical design
- Comfortable handling for workpieces of any size
- Simple, intuitive operation
- Low-backlash planetary gear
- Oscillating bandsaw movement system

Chip conveyor with a conveying width of 1.250 mm and an ejection height of 1.100 mm

Rigid welding construction in horizontal position with pretensioned linear guides.
Bandsaw blade guides with closed supply system.
Integrated tool control sensors.



Two linear guide units per column with six play-free adjusted carts each per unit guarantee high rigidity, maximum damping and cutting precision.

Screw conveyor in saw head with double chip brush

Good accessibility when changing the saw band

Walkable cover of the running rails

KASTO*miwin*

High-tech for economical profile processing in straight and double-sided mitre cuts

Technical Data		KASTO*miwin U 4.6*	KASTO*miwin A 4.6*
Cutting range [W x H]	mm		
90° (round/flat/square)	mm	360 / 460 x 360 / 360 x 360	360 / 460 x 360 / 360 x 360
+ 45° (round/flat/square)	mm	360 / 340 x 340 / 340 x 340	360 / 340 x 340 / 340 x 340
+ 60°	mm	250 / 240 x 340 / 240 x 240	250 / 240 x 340 / 240 x 240
- 45° (round/flat/square)	mm	360/ 340 x 340 / 340 x 340	360 / 340 x 340 / 340 x 340
Shortest cut piece length	mm	20	20
Smallest dimension to be cut	mm	10	10
Shortest remnant length single/automatic operation	mm	30	30 / <150
Infinitely adjustable cutting speed	m/ min	12 - 150	12 – 150
Saw feed		electromotive	electromotive
Saw motor	kW	4	4
Total power	kW	6	6
Sawband dimension	mm	6190 x 34 x 1.1	6190 x 34 x 1.1
Optional sawband dimension	mm	6190 x 41 x 1.3	6190 x 41 x 1.3
Material support height	mm	700	700
Length of the basic machine	mm	2,200	3,570 (1,500 mm feed)
Length (3,000 mm feed)	mm	-	5,070
Width x height	mm	2,920 x 1950	2,920 x 1950

Double mitre bandsaw for all cutting and mitre tasks

Mitres redefined thanks to pivoting cutting rails

The hydraulically operated horizontal vice enables optimal workpiece clamping. Depending on the mitre angle, the entire clamping unit, including the material support table, is moved hydraulically in front of or behind the cutting plane. This enables parallel clamping of the material regardless of the mitre angle. Because the cutting strips rails, there is no wear on the material support.

Your benefits at a glance

- No wear on the material support due to pivoting cutting rails
- Exact parallel material clamping thanks to the movable table
- Optimised cutting times thanks to KASTO*respond*
- Constant saw feed with ball screw spindle
- Fast, precise material replenishment using a gear rack drive (KASTO*miwin A 4.6* only)
- Electrically powered chip removal brush
- Low burr formation
- Low torsional load on the sawband for long service life
- Automatic electric band arm adjustment
- Accurate mitre positioning

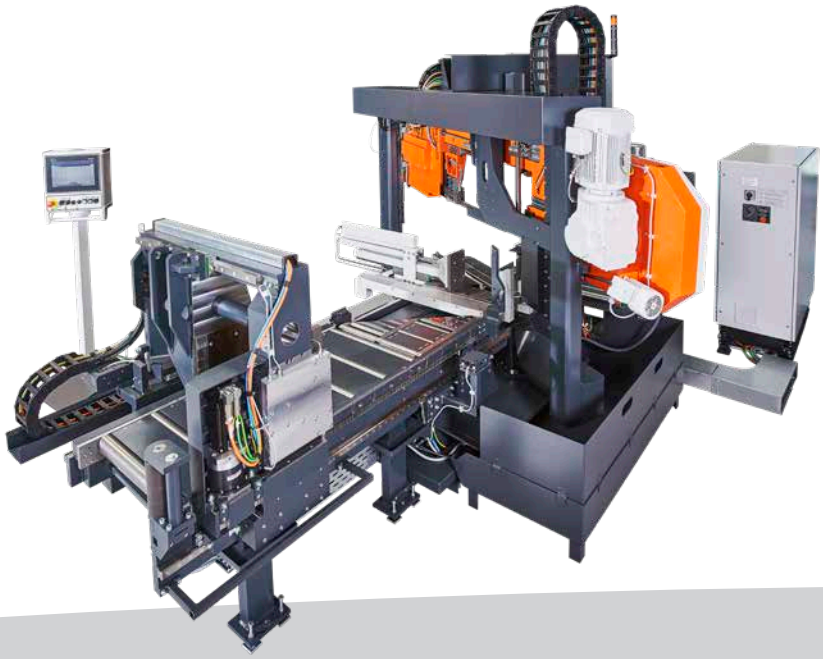
KASTO*miwin U*

For the steel trade and workshop area, in fully automatic and semi-automatic versions

This two-column-guided bandsaw machine for cross-cutting and mitre tasks (-45° / +60°) is characterised by a frequency-controlled, infinitely adjustable belt speed (12-150 m/min), a swivelling cutting bar as a material support, an electromotive saw feed, and hydraulic material clamping. The saw can optionally be ordered with a 34 or 41 sawband. The KASTO *Pro-Control* offers optimal machine operation.

Technical Data		*U 4.6*	*A 4.6*
Cutting range [W x H]	mm		
90° (round/flat/square)	mm	360 / 460 x 360 / 360 x 360	360 / 460 x 360 / 360 x 360
+ 45° (round/flat/square)	mm	360 / 340 x 340 / 340 x 340	360 / 340 x 340 / 340 x 340
+ 60°	mm	250 / 240 x 340 / 240 x 240	250 / 240 x 340 / 240 x 240
- 45° (round/flat/square)	mm	360/ 340 x 340 / 340 x 340	360 / 340 x 340 / 340 x 340
Sawband dimension	mm	6190 x 34 x 1.1	6190 x 34 x 1.1
Optional sawband dimension	mm	6190 x 41 x 1.3	6190 x 41 x 1.3
Material support height	mm	700	700
Length of the basic machine	mm	2,200	3,570 (1,500 mm feed)
Length (3,000 mm feed)	mm	-	5,070
Width x height	mm	2,920 x 1950	2,920 x 1950

KASTO*miwin A*



KASTO*respond* for KASTO*miwin*

For the first time, a mitre saw of this type is on the market and is equipped with this sensor system. KASTO*respond* , a system developed in-house by KASTO, provides the ideal machine setting for solid material, tubes and profiles in all material areas. The system constantly records the forces on the tool, without the use of additional sensors, which are often error-prone, and intelligently converts these into the optimal digital feed speed. Thick-walled and thin-walled material, constantly changing entry lengths for round material and even hard spots in solid material are recognised by KASTO*respond* in time and cleverly converted into the correct feed rate. The operator just programs the relevant data, such as cut piece lengths, quantities and the material to be cut. The KASTO *miwin* A takes care of everything else.

KASTO*win amc*

additive manufacturing cutting

Created as the final missing step in the process chain. High-performance automatic bandsaw for individual cuts of additively manufactured components in materials of all machining difficulties. The saw is equipped for optimal operator protection.

The base plate can be easily loaded and unloaded by opening the protective doors. The base plate with the additively manufactured components can be easily screwed onto the 180° turning device using a handling device or a crane, or alternatively fastened using an optional quick-clamping system. A preparation for the connection of an extraction system offers the best conditions for low-dust turning and sawing of the additively manufactured components in automatic mode. The base plate thickness can be entered using the Order Wizard via the standard *ProControl*.

Technical Data		KASTO*win amc*
Cutting range (L x W)	mm	400 x 400
Clamping area (base plates)	mm	up to 400 x 400
Optional (L x W)	mm	500 x 400
Infinitely adjustable cutting speed	m/min	12 – 150
Saw motor, frequency-controlled	kW	4
Total power	kW	6
Compressed air connection	bar	6
Sawband dimension	mm	5,090 x 27 x 0.9 / 5,090 x 27 x 0.9
Material support height	mm	1,100
Length x width x height	mm	2,460 x 2,400 x 2,100
Weight	kg	2,800

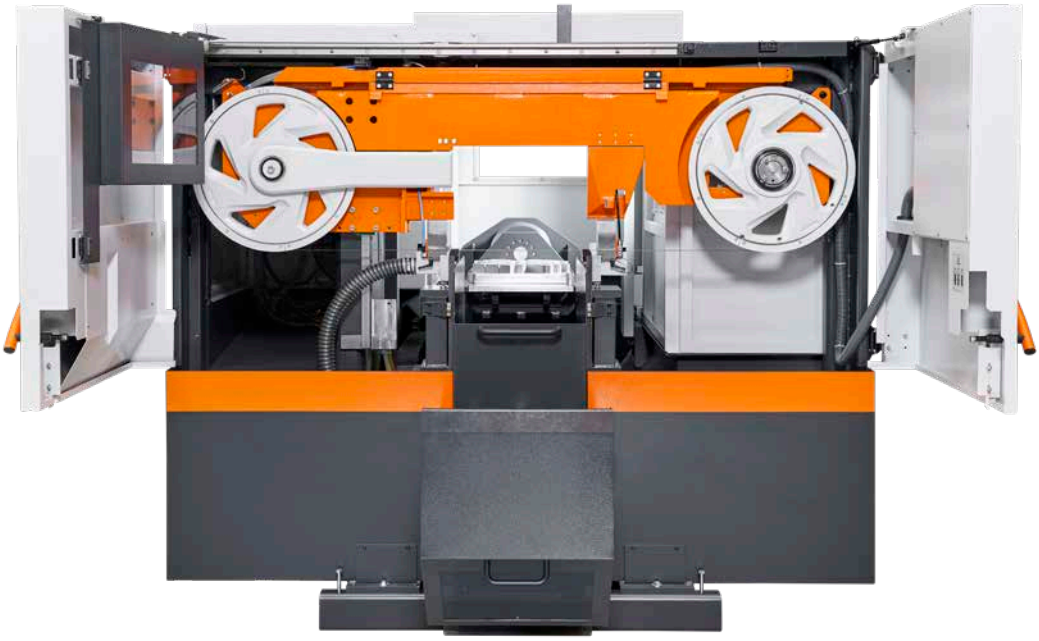
Key features of the saw specially developed for the cutting process of additively manufactured components

- High-performance automatic bandsaw for individual cuts of additively manufactured components in materials of all machining difficulties
- Optimum operator protection – full machine cladding in accordance with the latest CE criteria
- Simple, very easily accessible full machine cladding allows the operator to easily load and unload the base plate by opening the protective doors
- Automatic turning device – precise positioning of the workpieces at 180°. The sawn-off components fall into an appropriately positioned collection container to avoid unnecessary risk to the operator or damage to the components
- Machine prepared for connecting an extraction system
- Fast movement thanks to servo drives and ball screws for material feed (turning device) and linearly guided saw frame
- Effective material utilisation thanks to entry of panel thickness with subsequent automatic height adjustment of the upper saw section
- Visual inspection window in the material removal flap / individual components can be removed by simple pause action

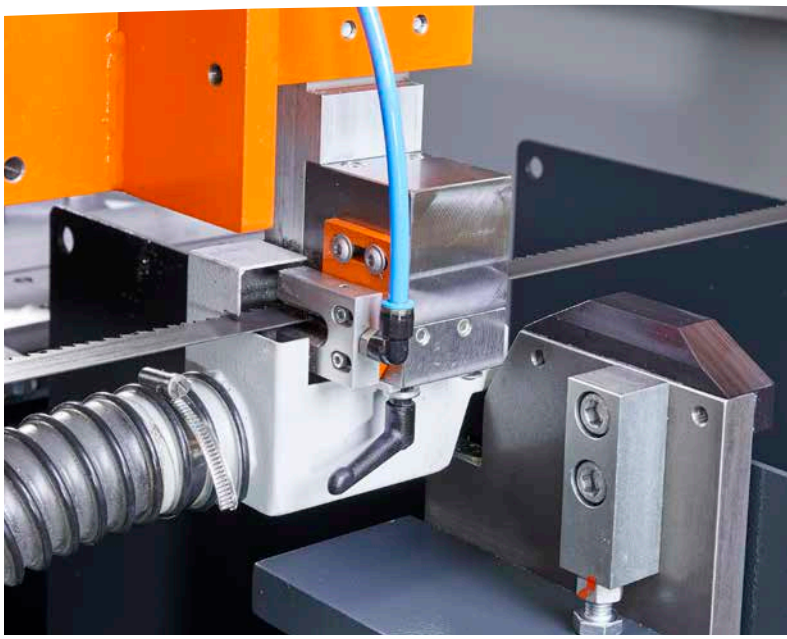
Perfection from the factory

Your benefits at a glance

- Innovative sawing concept for additively manufactured components
- Exact cutting positioning for small print allowances
- Simple, user-friendly handling
- Closed workspace
- Preparation for the customer's extraction system

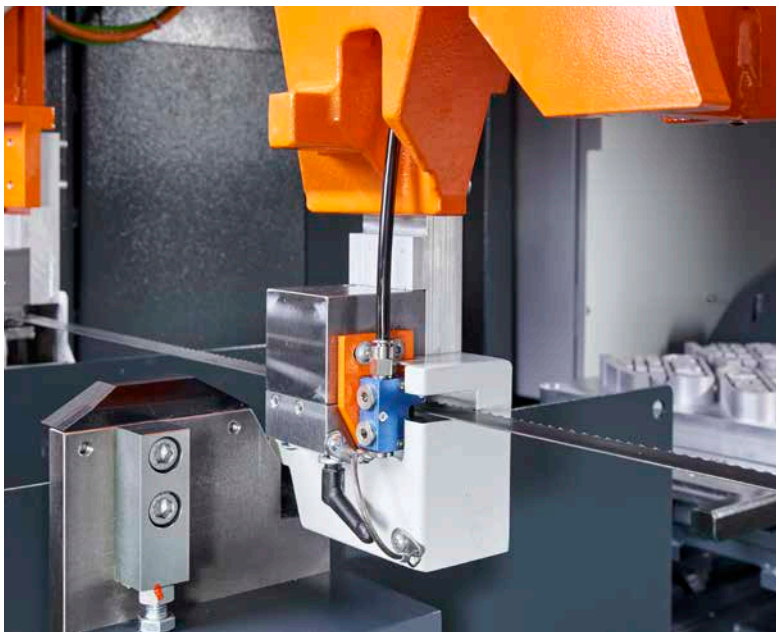


180° Schwenkvorrichtung



Vorbereitung für Absauganlage

Minimalmengenschmiersystem



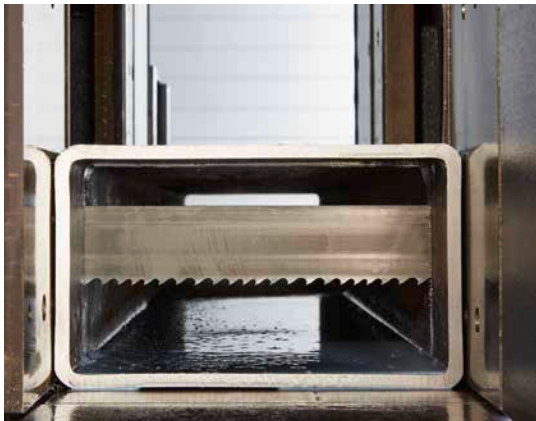
Auffangbehälter

KASTO*respond*

Intelligent sawing optimisation thanks to digital feed speed control

KASTO*respond pro*vides the perfect machine setting for solid material, pipes and profiles in all material areas and is available for every size.

The system constantly records the forces on the tool, without the use of additional sensors, which are often error-prone, and intelligently converts these into the optimal digital feed speed. Thick-walled and thin-walled material, constantly changing entry lengths for round material and even hard spots in solid material are recognised by KASTO*respond* in time and cleverly converted into the correct feed rate. The operator just programs the relevant data, such as cut piece lengths, quantities and the material to be cut. Materials can have different sawing properties even if they are grouped in the same way. The same materials can often be machined in very different ways, for example because they come from different batches. Up to now, identical parameters have been used to saw them. KASTO*respond* now uses the cutting force to detect if a material is easier to saw and increases the saw feed until the permissible target cutting force is reached. The system also works very impressively when sawing pipes, profiles and pipe/profile bundles. In these applications, conventional control system cannot get the job done because the engagement lengths and cutting forces of the tool are constantly changing. The machine is therefore never in the optimal machining range. KASTO*respond* is highly effective here.



KASTO*app*

Live status overview of your sawing machine

The platform-independent KASTO*app* web application gives you a live status overview of your sawing machines.

No installation is required to use the KASTO*app*. Thanks to its responsive design, it adapts flexibly to the size of the end device. Using a browser on a smartphone, tablet or computer, users can query and monitor the status of the sawing machines at any time, from anywhere, and can react quickly if necessary.

The clearly and intuitively structured KASTO*app* provides users with key information at a glance on all sawing machines that are equipped with the latest control system. It is also possible for several users to access information at the same time.

Your data is protected from unauthorised access at all times. We use a server at our location in Achern, and data is transmitted unidirectionally via encrypted connections via HTTPS. Additionally, you can block incoming connections to ensure that only data is sent and the control system cannot be accessed from outside. The KASTO*app* gives you secure access to your KASTO sawing machine from anywhere.

You can also find further information in our brochure KASTO *SmartSolutions* - Innovative, digital solutions.

Detail view

Handling expertise for sawing machines

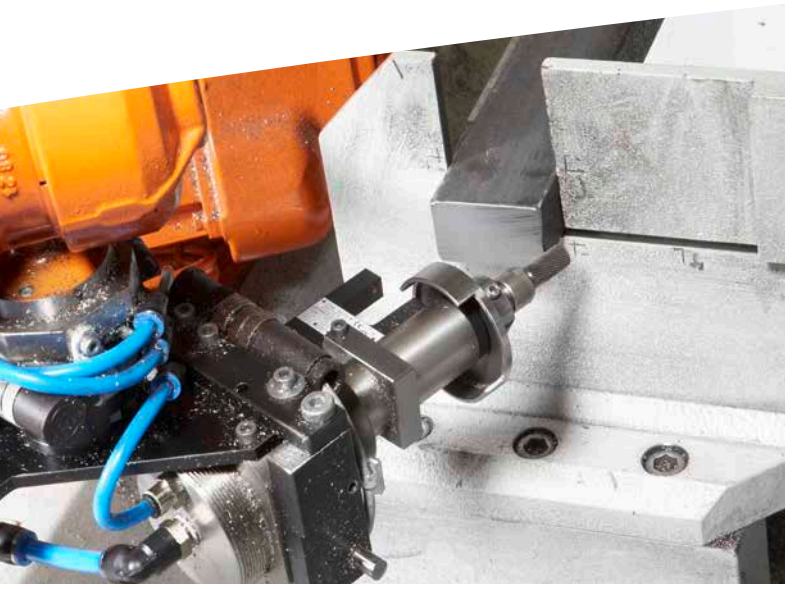
through industrial robots integrated by KASTO

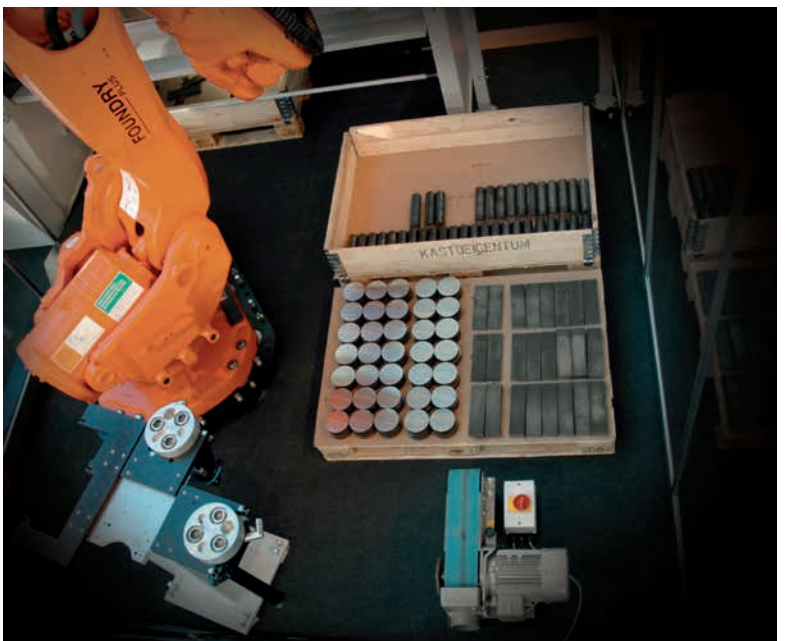
To complete your automation needs, the robot handling system can be expanded with subsequent processes. In addition to the handling processes such as palletising, loading and picking, the following processes are available to you:

- chamfering, deburring
- centre drilling
- cleaning, vacuuming pipes
- weighing, (length) measurement
- labelling, printing
- pin marking
- and much more

If a standard solution cannot be used to automate work processes, our developers can create optimal customised solutions and strategies.

You can find more about KASTO's smart solutions in the brochure “KASTO *SmartSolutions* - Innovative, digital solutions"



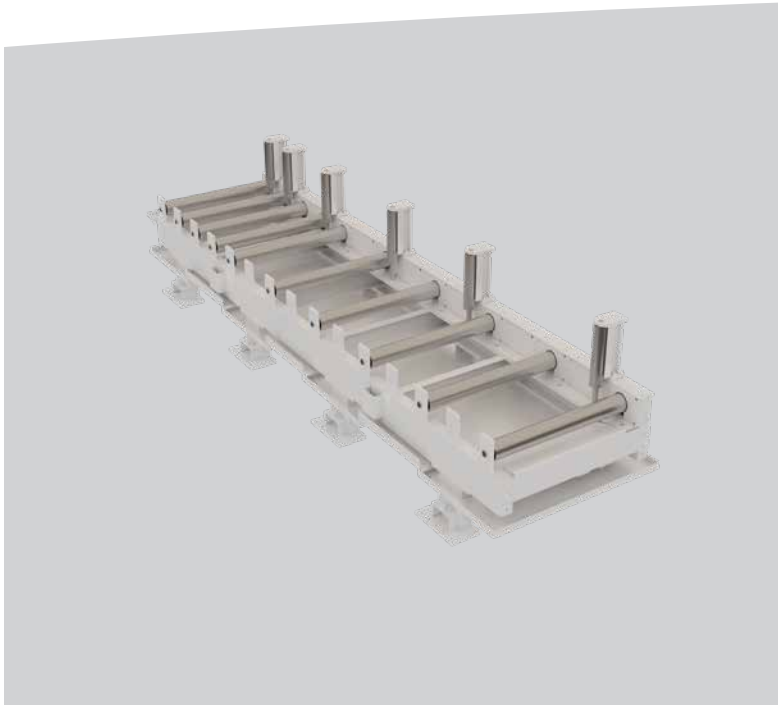


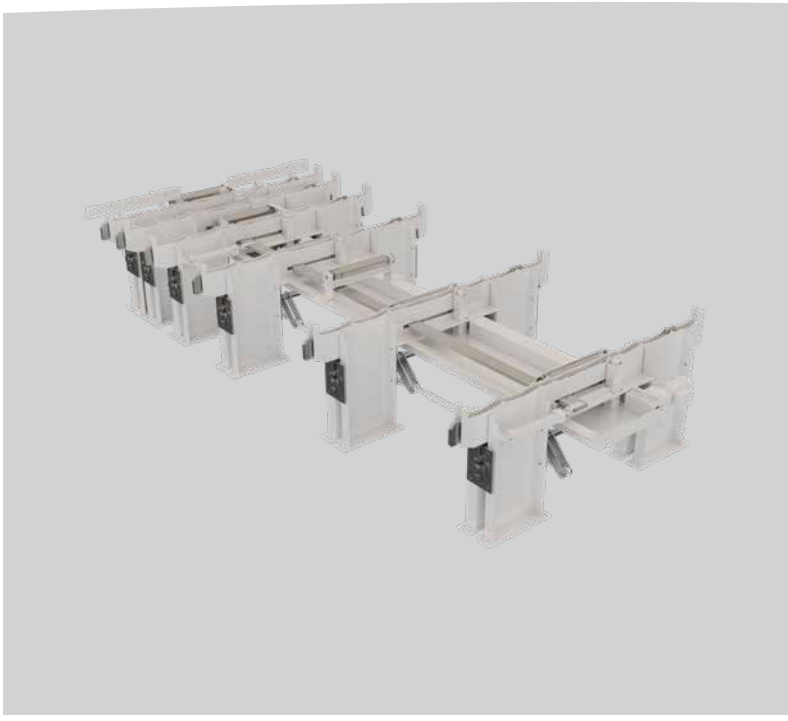
KASTO material handling

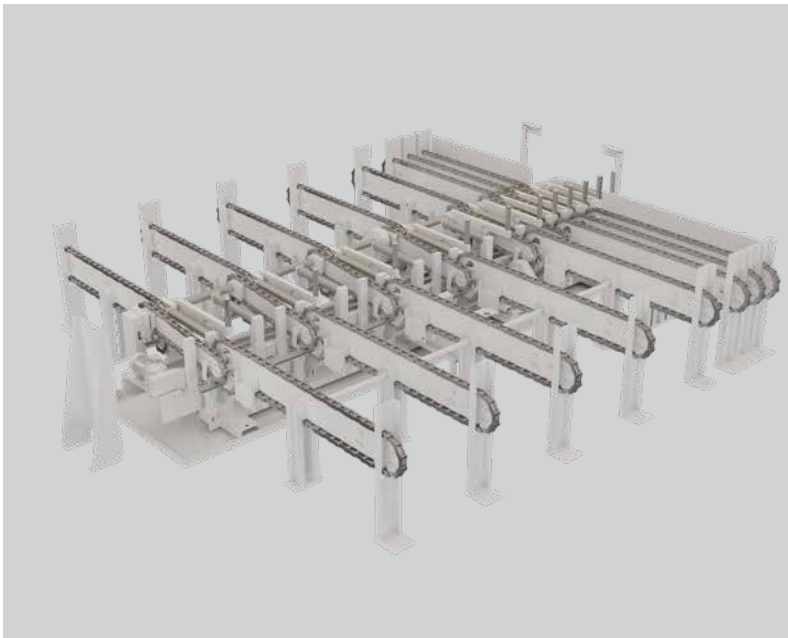
Infeed and outfeed peripherals

For the effective use of semi- or fully automatic sawing machines, a wide range of automation and handling concepts, such as KASTO*sort*, are available. A wide range of accessories from robot-assisted processes to a container carousel, roller conveyors and measuring systems as well as safety devices allows to design the plant according to customer-specific requirements.

You can find a large selection of accessories below www.kasto.com.







KASTO Saws. Storage. And more.

Competence along the entire line

KASTO has stood for quality and innovation for 180 years. Alongside metal saws and automatic storage systems for bar stock and sheet metal, KASTO offers customised material logistics solutions. The product portfolio is rounded off by intelligent software solutions and KASTO's first-class service. KASTO's continuous development of new technologies and permanent optimisation of machine concepts has made it the world market leader in sawing and storing metal.

Sawing machines from KASTO

The KASTO saw portfolio includes hacksaws, band saws and circular saws, from workshop saws to powerful fully automatic machines. www.kasto.com/saegen

KASTO storage solutions

All KASTO storage systems are characterised by fast access, high space utilisation and a good storage overview. www.kasto.com/lager

KASTO Service

Rapid availability of spare parts and individual support come as a matter of course. KASTO*retrofit* adapts your proven systems to current requirements. www.kasto.com/service_de

KASTO *SmartSolutions*

KASTO offers numerous digital automation solutions to make metal processing and storage more efficient, flexible and cost-effective. www.kasto.com/smart_de

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