THOR5			
THOR 5	Most productive double column sawing machine for straight cuts with ballscrew for material feed and cut feed. Bandsaw is designed for performance cutting of very hard and tough materials. This bandsaw is using extremely robust construction optimized with target to get maximum rigidity of machine and minimum vibrations. Stroke of frame and feeder are realized by sharpened ball screws. Machine guarantees maximum possible power a precision. The machine is designed for vertical cuts. The machine is designed to saw steel materials, but also non-ferrous and light metals. Control system SIEMENS.	**127 008 €**	
CODE	**OPTION**		THOR 4
OPTIONAL ACCESSORIES			
SIEMENS HMI 9"	Control system SIEMENS with 9" display.	**-**	ST
PCP	One year subscription for external machine programming (for Siemens control system) using Pegas web page.	**614 €**	O
BLUEBOX	Router for remote saw diagnostics.	**1 300 €**	OP
ZAPSI	Industry 4.0 ready. Connection to bandsaw monitoring and evaluation of machine efficiency, operation, production, and energy consumption.	**1 176 €**	OP
TH5-NPH	Hydraulic band tension.	**-**	ST
TH5- PCF	Frame and columns are filled by polymer-concrete.	**-**	ST
LED	LED illumination of working space.	**-**	ST
TH5- VTT	Universal pusher chip ejector without central shaft, included 1 Pc of BOX-TRI	**-**	ST
TH5-VTT-D	Optional chip conveyor for transportation of chips to the height 1000 mm. Available only together with TH5-VTT.	**3 900 €**	OP
TH5-VTT-D2	Optional chip conveyor with wheels. for transportation of chips to the height 1000 mm. Available only together with TH5-VTT. Direction conveyor is to the input side of band saw.	**3 940 €**	OP
TH5- HPV	Solution of moving guides of band together with jaws of the vice.	**-**	ST
PEGAS ASR	"ASR = Automatic cutting feed regulation based on set parameters. ARP = System of the automatic cutting feed regulation based on the cutting resistance of the material or saw blade blunting. RZP = Zone regulated shift set based on set parameters. ARN= Automatic saw blade run-in with reduced cutting parameters "		ST
TH5-IMB	Indication of saw blade movement. If the saw blade jams, the drive pulley rotates and the tensioner pulley stands. The function protects the saw blade by stopping the arm from moving into the cut		ST
TH5- RTS-A	Vice pressure regulation. Set of 2 pieces for feeder and main vice.		ST
TH5-GPZ 500	Support table on the output side of the machine. Length 500mm. Horizontal stainless steel surface. Movement of cutting emulsion back into the machine, Connection with roller conveyors RDT / RDM.	**1 587 €**	O
TH5- ECK	Cleaning brush of blade driven actively by motor.	**-**	ST
TH5- CMU2	Opening of the cutting zone on the feeder side for contactless movement of the saw blade to the upper position.	**-**	ST
TH5- OCP	Rebounding jaw of the vice of feeder operated by a short stroke hydraulic cylinder. Equipped by 2 rails and 4 linear trucks. Ensures contactless reverse movement of the feeder	**-**	ST
TH5- OCS	Hydraulic operated, short-stroke retracting clamp of fixed main vice. Mounted on linear guideway.	**-**	ST
TH5- ATB	Automatic material feed precisely into the cutting zone.	**-**	ST
TH5- KKR	Check the perpendicularity of the cut. The incremental sensor is placed above the saw blade, it measures the deflection of the saw blade. The control system regulates the cutting feed.	**-**	ST
TH5- ABP	Automatic contactless arm working position adjustment using an optical sensor	**-**	ST
TH5- BSB	Movement of frame by linear guideway, ball screw and servo motor.	**-**	ST
TH5- BSF	Feeder movement using linear leading, ball screw and servo motor	**-**	ST
TH5- FCV	Conception Feeder-Cut-Vice: This conception enables the saw to feed the material with very short rest piece from end of the bar in automatic mode.	**-**	ST

CDC	Basic library with cutting parameters, operator inputs the material informations (dimensions, type, quality) Automatical setting of cutting parameters. Operator set only information about quality and dimension of material.	**-**	ST
TH5- BGT	Hydraulic clamping of saw blade in guides. It enables zero play movement of the saw blade in guide inserts and easy blade change.	**-**	ST
TH5- HP-A	Hydraulic operated vertical vice. Serves to clamp the material in vertical direction. Set of 2 pieces for feeder and main vice. (using of upper vices limites the max. dimension of cutted bundle! It should be consulted with the producer)	**11 936 €**	OP
BOX-PCS	Box for cut pieces with waterproof drip tray.	**489 €**	O
BOX-TRI	Box for chips with waterproof drip tray.	**440 €**	O
BOX-TAH	Manipulation tool for BOX-PCS and BOX-TRI.	**171 €**	O
MINI LUBE 54	Mist spray lubricating system. - 2 pumps, for 54 mm blade. Replaces emulsion cooling. The system is suitable to cut profiles and pipes. 6 bar of pressurized air is neccesary for operation.	**1 238 €**	O
SPR-LUBE	Cleaning and lubricating spray for spring cover of ballscrew	**34 €**	O
TH5-LHS	Signaling beacon - display of operating states of the saw by means of 3 colour ed lights	**685 €**	OP
TH5- SET M42	Set of 10 blades in SPECTRA M42 quality – customer chooses blade's TPI. Blade specs: 7680x54x1,6	**2 145 €**	O
TH5- SET M51	Set of 10 blades in DURATEC M51 quality – customer chooses blade's TPI. Blade specs: 7680x54x1,6	**2 454 €**	O
TH5-NAV	Instruction Manual – printed version.	**46 €**	O
ROLLER CONVEYOR AND MEASURING			
RDP1-1000-620	Special input roller conveyor. Length 1000 mm, width of cylinders 620 mm, 5 rollers, load capacity 2500kg/m. It is possible to install only one RBR1-620 per roller conveyor.	**3 363 €**	O
RDZ1-1000-620	Special output roller conveyor. Length 1000 mm, width of cylinders 620 mm, 5 rollers, load capacity 2500 kg/m.	**3 363 €**	O
RDT1-1000-620	Robust roller conveyor with coolant gutter. Length 2000 mm, width of cylinders 620 mm, 3 rollers, load capacity 2500 kg/m.	**2 324 €**	O
RDT1-2000-620	Robust roller conveyor with coolant gutter. Width of cylinders 620 mm, length 2000 mm, 6 rollers, load capacity 2500 kg/m	**3 302 €**	O
RTA-1000-620	Support table on the output side of the machine, compatible with the RDT1 conveyor. Instead of rollers, it has a steel plate	**2 323 €**	O
SYNC-S	Synchronization function of the SIEMENS -servo drive of the saw feeder and the movement of the rollers of the driven conveyor RDMS1. Included is a PLC that ensures the synchronization of 2 to 7 drives.	**1 882 €**	OP
RDMS1-2000-620	Robust roller conveyor with driven rollers. Driving by servo engine, worm gearbox and converter. By chain are driving cylinders. Width of cylinders 620 mm, length 2000 mm, capacity 2500 kg/m. For automatic CNC saws can only be used with SYNC-S accessories	**10 672 €**	OP
RDML1-2000-620	Robust roller conveyor with driven rollers. Driving from RDMS1 throught chain. (RDML1 does not work without RDMS1 conveyor). Width of cylinders 620 mm, length 2000 mm. Load capacity 2500 kg/m. (can not be used with XY1)	**4 935 €**	OP
VZM1-620	Hydraulic operated lifting motorized cylinder, width 620 mm. VZM1 is designed to lift the material above the level of other rollers of the conveyor using hydraulic short-stroke cylinder . After lifting the VZM1 can move the material forwards or backwards by electric motor. VZM1 is installed instead of 2 original passive cylinders. VZM1 is operated independently with its own control panel. VZM1 works only with RDT1.	**8 867 €**	OP
RBR1-620	Side support fixed cylinder, height 280 mm, diameter 60 mm with its own frame, mounted to roller tables. Impossible to install on VD roller conveyors.	**412 €**	O
RBRS1-620	Side adjustable roller, comes with its own steel frame and with 620 mm wide movable leading, fixed by 2 pcs of T-nuts. Height 280 mm, diameter 60 mm. Impossible to install on VD roller conveyors.	**176 €**	O
RDH-600	Independent movable cylinder, adjustable height, capacity 700 kg. Width of roller 600mm.	**1 410 €**	O
V1-620	Additional roller placed between rollers of RDT1 table. Price for 1 pc.	**336 €**	O
500-V1-P	Cylinder (full material 620 mm length). Additional charge for nitriding of 1 cylinder.	**344 €**	O

510-TDT 1000/570	Input or output extra robust roller conveyor, roller width 570 mm, length 1000 mm, 6 rollers. Load capacity 4000 kg/m. 16MnCr5 solid-section material, hardness 55 HRC. Cylinders are made from solid bars.	**10 636 €**	O
510-TDT 2000/570	Input or output extra robust roller conveyor, roller width 570 mm, length 2000 mm, 6 rollers. Load capacity 4000 kg/m. 16MnCr5 solid-section material, hardness 55 HRC. Comes with one vertical roller 510-TDT-RBR. Cylinders are made from solid bars.	**12 785 €**	O
510-TDT-RBR	Side fixed roller, height 650 mm comes with steel frame. 16MnCr5 solid-section material, hardness 55 HRC.	**1 666 €**	O
510-TDT-RBRS	Side adjustable roller, height 650 mm comes with steel frame and with movable leading, fixed by 2 pcs. of T-nuts. 16MnCr5 solid-section material, hardness 55 HRC.	**1 666 €**	O
510 V-TDT	Additional cylinder for roller table. 16MnCr5 solid-section material, hardness 55 HRC.	**917 €**	O
RDSF-620	Mechanical stop at the beginning / end of the roller conveyor to prevent unwanted movement of the transported material outside the conveyor.	**265 €**	OP
RDSS-620	Mechanical stop at the beginning / end of the roller conveyor with a sensor to stop the roller drive (RDM1, RDMS1, VZM1) or stop the machine feeder drive. (only for machines equipped with SIEMENS S7-1500)	**441 €**	OP
DMV-620	Cover of roller table. Can be placed in the cylinder gap with a standard spacing of 333mm, without mounting other accessories. (price for one cover)	**235 €**	O
XY1-4M	Main segment of the cross conveyor bars. It is equipped with a drive, converter, electrical switchboard components, and hydraulic components. Working length 4 meters. Lifting mechanism load capacity 1000 kg. Static load capacity 2000 kg/1 meter length.	**20 580 €**	O
XY1-4L	The modular segment is connected to the main segment by a shaft. It is possible to connect XY1-4M with a maximum of 3 pieces of XY1-4L. Effective length 4 meters. Lifting mechanism load capacity 1000 kg. Static load capacity 2000 kg/1 meter length.	**10 290 €**	O
RDML1-XY1-1000-620	Robust roller conveyor with driven rollers. Driving from RDMS1/RDM1 throught chain. (RDML1 does not work without RDMS1/RDM1 conveyor). Width of cylinders 620 mm, length 1000 mm. Load capacity 2500 kg/m. This RDML1 version is specifically intended for use in the XY1 assembly, which incorporates a special interconnection segment.	**4 292 €**	O
RDML1-XY1-2000-620	Robust roller conveyor with driven rollers. Driving from RDMS1/RDM1 throught chain. (RDML1 does not work without RDMS1/RDM1 conveyor). Width of cylinders 620 mm, length 2000 mm. Load capacity 2500 kg/m. This RDML1 version is specifically intended for use in the XY1 assembly, which incorporates a special interconnection segment.	**5 523 €**	O