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MACHINE MODEL

XS 1250

Semiautomatic bandsaws for industrial application

Short description

XS 1250 is the big size, industrial application semiautomatic bandsaw suitable to cut big dimension profiles and solids of special steels with vertical descent and straight cut. The machine is the perfect industrial tool, able to support o big format pieces thanks to wide working area and 7 motorized integrated rollers.
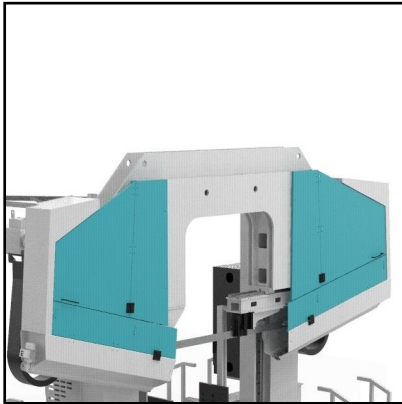

Scan the video

Cutting capapcity at 0°	Round: 1250mm - Square: 1250mm - Rectangular: 1250x1250mm
Blade motor	18KW
Blade speed	14 - 80 m/min
Blade size	12380x80mmm
Blade tension	3500kg/cm2
Canted blade	0°
Working table height	760mm
Hydrulic unit motor power	3KW
Hydraulic unit tank capacity	80 l
Coolant tank capacity	220 l
Weight	13000kg
Size	5960x2890x4000mm

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Features

Steel and big size structure sawframe

Build in strong electrowelded steel with double section and big thickness, the XS 1250 has big structure to avoid vibrations and noise while working; the sawframe movement is provided by the recycirculating ballscrws with two brushless electric motors. These features allows to have high cutting performances while saving blade life. The pulleys have a 1300 mm diameter with tubular electrowelded structure, hardened at 55 HRC.

Wide working area with motorized rollers

The machine is intended to cut big size solid materials to it has a wide working area able to support big volume pieces thanks to the 10 electric motorized rolls managed by inverter; 7 rolls support the material before the blade, while 3 are placed after the band. All the rollers can be moved together or independently (before and after the cut) to ease the piece detachment process so that the blade could ascent without scratching the cut piece: this system is crucial when cutting hard or special steels.
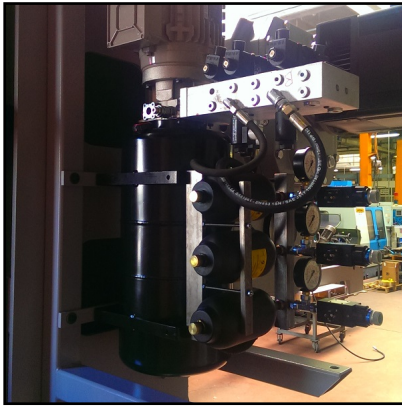
Vice

Hydraulic material locking vice that slides horizontally on the working table upon recyrculating ballscrews so that the material clamping system is precise with perfect positioning of the piece. Jaws height: 700mm. mm.
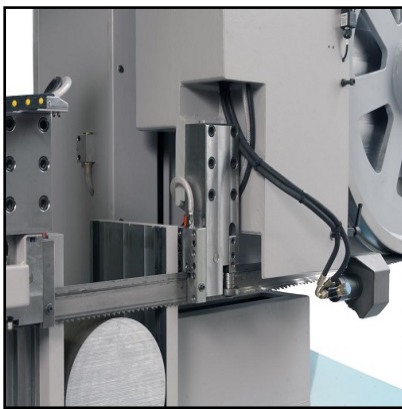
Blade allignment

XS 1250 blade guides has hard metal pads and include cemented, hardened, rectified lateral rolls with easy regulation. The blade guide is kept next automatically close to the cutting area.

Hydraulic unit

Hydraulic unit provides for low noise level and constant working pressure. The unit turns on only for vices, hydraulic blade guides and blade tension device movements; when the pressure level dramatically lowers (detected by pressure switches), the unit will turn on automatically while the cutting process is subdue with the unit turned off (the unit has vice pressure reducer supplied as standard). Machine manuals for hardware, sofware and maintenance also supplied.

Tensionamento

Blade tensioning system is adjustable based on the material and is provided by a 180mm diameter hydraulic cylinder while the machine software checks the tension to have it perfectly set. If the machine isn't used for a while, the automatic control will release the band to avoid useless stress and strain on it. If a breakage is detected, the cutting process immedatley stops.
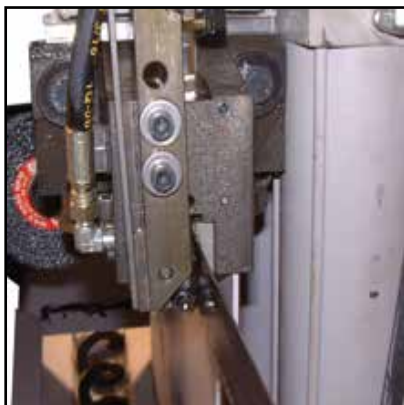

Chip conveyor system

The machine has an external chip conveyor with electric movement and a tank to collect residuals and coolant liquid (250l). To have a better cleaning of the cutting parts, the chip conveyor is canted with carter on the pulleys. It can works in 3 ways: always on, only while cutting, always off.

Minimal lubrification system (Optional)   OPTIONAL

It's possibile to require for all IMET machine the minimal lubrifcation system in kit with 2 nozzle and 3 l tank capacity. The system allows to avoid the dispersion of coolant liquid, typical when the emulsifiable is used; blde life in not anyway affected .

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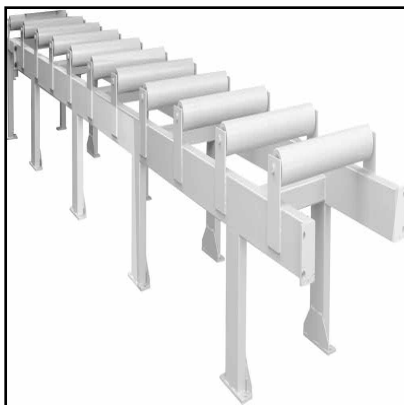www.imetsaws.com

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Blade deviation control(Optional)   OPTIONAL

The blade deviation control allows to always have the perfect allignment and blade position and it also hasri automatic detection and stops of the cutting process in case of breakage.

Laser ray (Optional)   OPTIONAL

To ease the material positioning and help the user to view the cutting line, the machine can add a laser raye to point the exaxt cutting point.

Loading/unloading roller table(Optional)   OPTIONAL

Loading and loading roller table with free rolls and compatible with measurement system. Single module 2m long

Motorized roller table preset for motorization (Optional)   OPTIONAL

Motorized roller table preset for motorization with chain transmissione and pinions.

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Motorization system (Optional)   OPTIONAL

Motorization system for motorized roller table, recommended every 6m length.