

MACHINE MODEL

XS 900

Semiautomatic bandsaws for industrial application

Short description

XS 900 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 big format pieces thanks to wide working area and 7 motorized integrated rollers.



Scan the video



Cutting capacity at 0°	Round: 900mm - Square: 900mm - Rectangular: 900x900mm
Blade motor	11KW
Blade speed	Da 14 a 60 m/min
Blade size	9300x67mm
Blade tension	3000kg/cm2
Canted blade	0°
Hydraulic unit motor power	3KW
Hydraulic unit tank capacity	80l
Coolant tank capacity	220l
Weight	8450kg
Size	4485x1680x3150mm
Working table height	790mm

Features



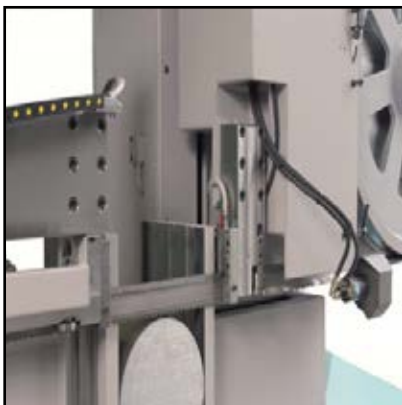
Steel sawframe

The machine has a big size, strong, rigid and imposing electrowelded sawframe structure, sliding on linear guides which movement is provided by recirculating ball screws. Big size structure increase machine stability, efficiency and performances while cutting even the biggest pieces.



Rigid structure

To further increase machine stability and have better performances while cutting, the machine basement is electrowelded with big thickness sections to avoid vibration, binding and sawframe slowdown and eliminate noises.



Bow movement and blade

Blade and bow movement and feeding are managed by electric vectorial motors with control display able to detect and report immediately any error, stop or anomalies.



Wide working area

The machine has a wide working area where 7 motorized (hydraulically) rolls provide for a high loading capacity on every material size with elevate material positioning and accuracy. The piece is back by an horizontal hydraulic vice. To optimize cutting process and user workflow, the machine also includes a first cut point memory system.



Blade guides

XS 900 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.



Blade tension

Blade tensioning is provided by hydraulic cylinder, managed by the machine software. When the machine is pause paused and doesn't need to be used, the system automatically releases the blade, reducing the tension to extend blade life. In case of blade breakage, the XS automatically stops.



Chip conveyor

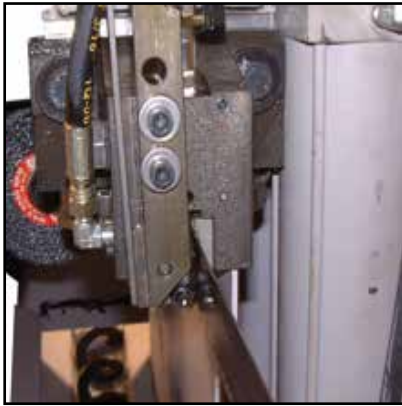
XS is equipped with a chip conveyor that ease the expulsion of remainings and resistuals so that the working area is always clean and nothing could affect the cutting process.



Minimal lubrication (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 .



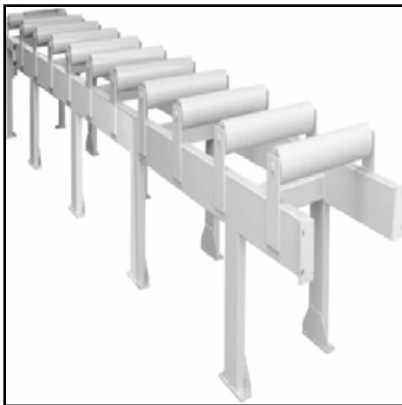
Blade deviation control (Optional) **OPTIONAL**

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



Laser day (Optional) **OPTIONAL**

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



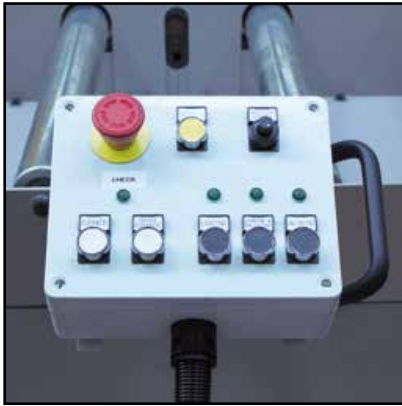
Loading/unloading roller table (Optional) **OPTIONAL**

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



Roller table preset for motorization (Optional) **OPTIONAL**

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



Motorization system (Optional)

OPTIONAL

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