

MACHINE MODEL

H 800

Semiautomatic bandsaws for straight cut

Short description

H800 is the semiautomatic double column bandsaw for straight cut (90°) that provides high working performances with reliable cutting quality and an optimized cutting process thanks to the 5° canted blade, easing the material penetration even on the biggest sizes. The machine is suitable for tubes, pipes, full materials and carpentry works.



Cutting capacity at 90°	Round: 680mm - Square: 640mm - Rectangular: 820x610mm
Cutting capacity at 90° full material	350mm
Bundle cutting capacity	800x500mm MAX - 50X50mm MIN
Blade motor	5.5KW
Blade speed	from 15 to 100 m/min
Blade size	7260x41x1.3mm
Blade tension	2000kg/cm2
Band inclination	5°
weight	3100kg
Size	1550x3600x2700mm
Working table height	800mm
Hydraulic unit motor	0.75KW
Hydraulic unit tank capacity	20l

Features



Working plate

H series bandsaws are equipped with a wide working plate that can fully support the material, allowing to have a stable and reliable cut.



Rigid sawframe

H 800 saws is electrowelded in steel with rigid tubular section and big thickness to help reduce any vibration while cutting even the largest diameters. The massive structure also avoids binding or slowdowns of the sawing rates.



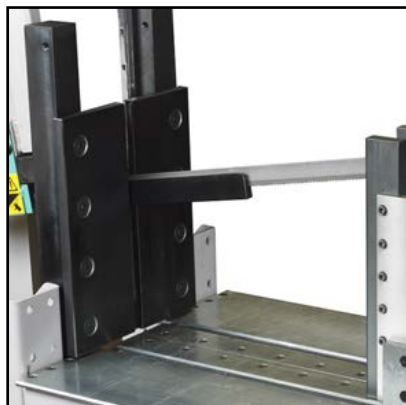
Canted sawframe

The cutting process is optimized by the 5° canted blade that allows to ease the material penetration, reducing the band strain, helping save blade life and improving cutting performance even on full materials and big diameters and sections.



Blade tensioning

IMET bandsaws have a high blade tension (2000kg/cm² on H 800 model) to increase the machine performance on every kind of material and section.



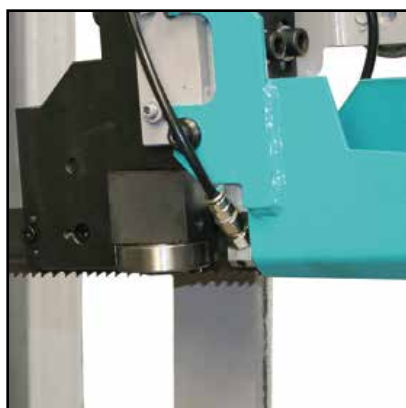
Smart-start and fast approach

H 800 and H 1200 are equipped with an automatic detection material system which also detects the first cut point thanks to a magnetic strip with encoder for material reading: the operator must set the material size on the panel control, the machine starts the automatic fast lowering of the sawframe up to the set value. This process allows to have a faster and easier approach to the material, helping saving time.



End cut

Operator can choose among different options for the end cut: sawframe rising while the blade is not working, with blade in function and end-cycle without moving the bow.



Blade guides

Registrable blade guides in metal pads and bearings. The mobile blade guide is automatically being kept next the cutting area.



Blade cleaning

The machine mounts a motorized cleaning brush with nylon teeth, allowing to remove residuals and remainings in the cutting area and on the blade.



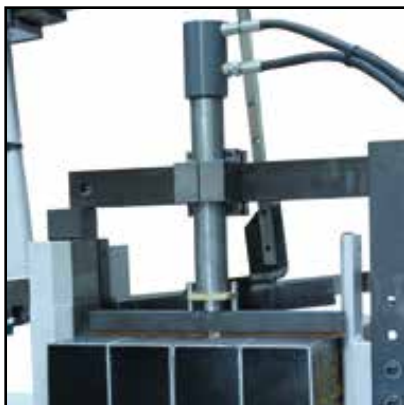
Vice

H 800 mounts an hydraulic horizontal vice with full stroke so that the material is perfectly locked and ready to be cut.



Mobile panel control

Semiautomatic bandsaws are equipped with mobile panel control that gives full control on all the main operative settings: it's possible to manage lowering speed and power, blade speed and penetration in the material.



Bundle cutting (Optional)

OPTIONAL

Hydraulic bundle cutting device (Max 800x350mm - Min 50x50mm)



Minimal lubrication system (Optional)

OPTIONAL

It is possible to require, for all Imet machines, the minimal lubrication system, it avoids the dispersion of refrigerant liquid typical in the use of emulsifiable oil, the life of the blade is not in any way affected. Minimal lubrication system for H 800 has a 3 liters capacity.



Blade deviation control (Optional)

OPTIONAL

Blade deviation control with process stop in case of breakage.



Laser ray (Optional)

OPTIONAL

Laser ray to optimize the working process of the operator that helps to view the set cutting line.



Loading and unloading roller table (Optional)

OPTIONAL

Loading and unloading roller table with free rolls. Single module 2m with 2 containment vertical rolls on one side.



Roller table preset for motorization (Optional)

OPTIONAL

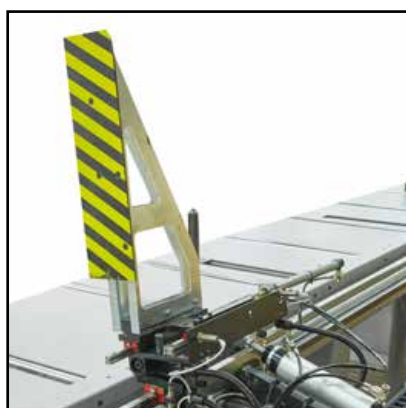
Roller table preset for motorization with chain transmission and pignons. The element price is to be intended for a single metre.



Motorization system (Optional)

OPTIONAL

Motorization system for motorized roller table. Recommended every 6m in length.
Max speed 10m/min



CNC motorized measurement (Optional)

OPTIONAL

CNC motorized measurement length stop with fast approaching and automatic slowdown of the piece. To be ordered together with RTR motorized roller table. - RR6S measurement length 6m -RR9S measurement length 9m -RR12S measurement length 12m



Pair of vertical containment (Optional)

OPTIONAL

Pair of vertical containment rolls made in steel. Max 2 pairs every 1.5m