

MACHINE MODEL

H 820

Semiautomatic bandsaws for big size tubes

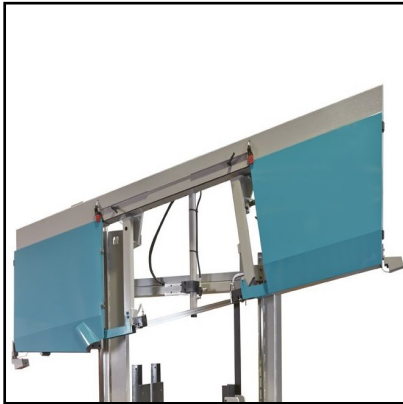
Short description

H 820 is the semiautomatic double column bandsaw suitable for straight cuts with hydraulic bow movement. The machine is an affordable working tool for carpentry works able to cut pipes, tubes and solid materials. H 820 offers high cutting performances thanks to its 5° canted blade during the entire process.



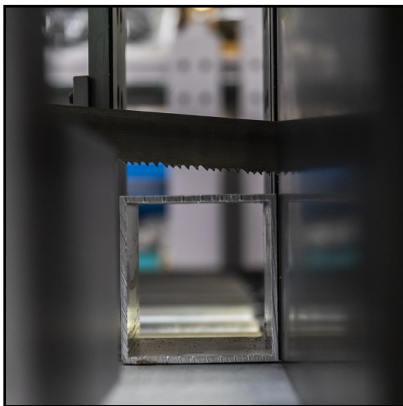
Cutting capacity at 90°	Round: 810mm - Square: 740mm - Rectangular: 810x740mm
Cutting capacity at 90° full materials	350mm
Blade motor	4KW
Blade speed	15 - 100 m/min
Blade size	7575x41x1.3mm
Blade tension	2000kg/cm2
Blade inclination	5°
Weight	2300kg
Size	1150x3375x3100mm
Working table height	900mm
Hydraulic unit motor power	0.75KW
Hydraulic unit tank capacity	20l

Features



Sawframe with big structure

H 820 is equipped with an electrowelded bow, great thickness and tubular section to help reduce vibration, binding and slowing during the cutting process. Sawframe movimentation is perfectly balanced because is on linear guides and guaranteed by the large diameter of the hydraulic cylinder.



Canted blade

H 820 blade has a 5° inclination to have a better performance while working: inclination allows to have a better penetration during the process, reducing the blade strain and saving band-life to optimize the machine workflow.



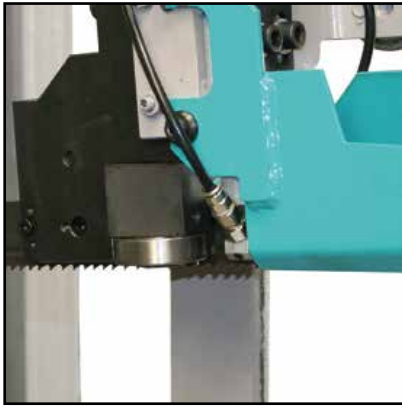
Blade tensionin

The machine also have (like all the IMET bandsaws) a high blade tension (2000kg/cm²) to increase performances on every kind of cutting process, even on bigger and wider section and full materials.



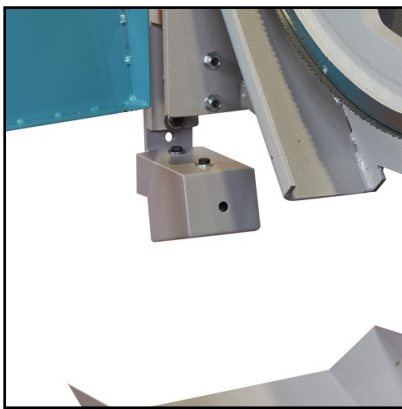
Blade cleaning

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



Blade guides

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



Laser detecting system

H 820 uses a laser detecting system to detect the material before cutting and to relieve the first and end cut point during the sawframe descending and ascending.



Vice

H 820 has an hydraulic horizontal vice sliding on the working area to perfectly lock the cutting material.



Panel control

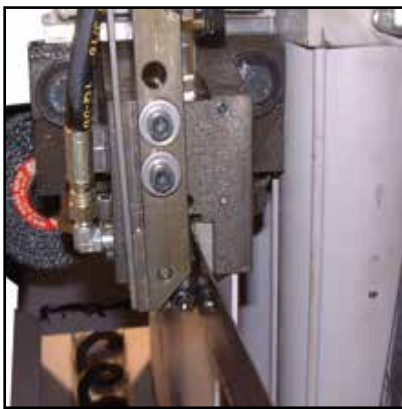
The mobile panel control gives the operator full control on the entire working process and it allows to set and modify all the main operative settings like blade speed and sawframe feeding speed, material penetration. The panel is also equipped with LCD control light.



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.



Blade deviation control (Optional)

OPTIONAL

It's available the blade deviation control with stopping system in case of breakage to optimize cutting and working process.



Laser ray (Optional)

OPTIONAL

It's available a laser ray to optimize cutting process by pointing the cutting line



Free rolls roller table (Optional)

OPTIONAL

Loading and unloading roller table with free rolls, equipped with 3 vertical containment rolls. Single module length: 2m.



Motorized roller table(Optional)

OPTIONAL

Roller table preset for motorization with chain transmission and pinions. .



Motorization system (Optional)

OPTIONAL

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



Motorized length stop with CNC (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



Vertical rollers (Optional)

OPTIONAL

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