

MACHINE MODEL

H700 NC F3000

Automatic bandsaw with CNC for straight cut

Short description

H 700 NC F3000 is an automatic double column bandsaw suitable for straight cuts of carpentry works, pipes and solid materials, an affordable working tool for every professional user. The machine uses an innovative interface with 10" touch screen display, guarantees for the highest cutting performances thanks to its rigid structure and 10° canted blade



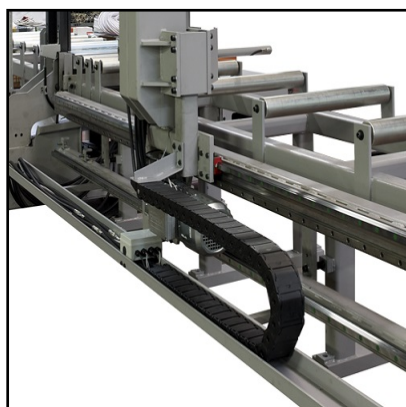
Cutting capacity at 90°	Round: 520mm - Square: 450mm - Rectangular: 680x400mm
Cutting capacity at 90° full material	280mm (350mm with 41mm blade)
Bundle cutting capacity	500x400mm max ; 125x50mm min
Blade motor	3KW (available also 4KW motor reducer)
Blade speed	15-100 m/min
Blade size	5870x34x1.1mm (available blade h 41mm)
Blade tension	2000kg/cm2
Band inclination	10°
weight	1900kg
Size	1100x3300x2450mm
Working table height	840mm
Feeder	3000mm
Minimum scrap-end	150mm
Minimum cutting length	30mm
Feeder motor	1.5KW

Features



10" Touch Screen display

H 700 NC has an easy and intuitive interface dedicate to optimize the user-experience: thanks the CNC system and 10" touch screen display the user can manage all the machine operative function, set up 99 cutting program and multiple cutting length on the same bar, set the number of feeder stroke, the number of pieces and blade speed. It's also possibile to do an autodiagnostic to detect errors.



Feeder

Feeder length is 3000mm with automatic stroke repetition, movement on linear ball guides. Minimum scrap end on the single cut is 150mm and 325mm with bundle cutting. H 700 NC has a high positioning precision and stroke repetition thanks to the innovative system geared motor driven by inverted and controlled by a linear or encoder and mechanical clamping.



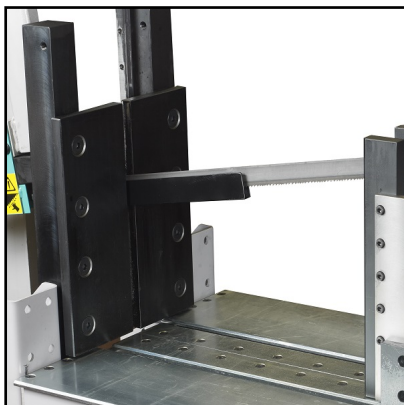
Rigid sawframe with big structure

H 700 NC has a big size, electrowelded bow with rigid structure and big thickness. The massive structure helps reduce any vibration, binding or slowing during the cutting process, saving sawblade life and durability. High Cutting performances even on the biggest sections and full materials are provided by the 10° canted blade and 2000kg/cm² blade tension.



Wide working table

The machine has a wide working table supported by a central pivot with preloaded bearing. To ease the cutting process and the material positioning, there's a graduated scale on the working plate for the best precision.



Material detect device

Mechanical material detect device allows to optimize the cutting process by easing the fast approach to the material, automatically detecting the first cut point and helping regulating the end cut.



Blade speed

H 700 NC F3000 uses an ESC inverted with encoder to manage blade speed, allowing to set different speeds on it, depending on the material, increasing the machine performance.



Vice

Hydraulic horizontal vice, sliding on the working table with a supplementary roller on the loading side (and a preset for roller table) which allows to load big size sections.



Washing gun

Premium line automatic bandsaws and Maxi Line semiautomatic and automatic machines are equipped with a standard integrated washing gun to clean working plate and area from all remainings and residuals so that the machine can be kept in perfect efficiency.



High performance kit (Optional)

OPTIONAL

It's possible to add to the machine the high performance set that includes the 4KW motor reducer, the 41mm height blade and the blade hydraulic tensioning system.



Minimal lubrication system (Optional)

OPTIONAL

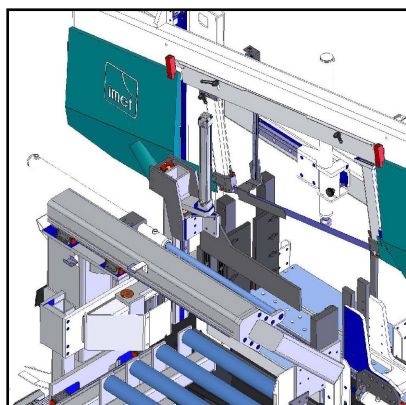
It is possible to require, for all Imet machines, the minimal lubrication system, it avoids the dispersion of refrigerant liquid typical in the use of emulsifiable oil, the life of the blade is not in any way affected. Lubrication system tank has a 3 liter capacity.



Laser ray (Optional)

OPTIONAL

The laser ray is dedicated to optimize the user workflow by pointing the cutting line on the material with a laser ray projection.



Bundle cutting device (Optional)

OPTIONAL

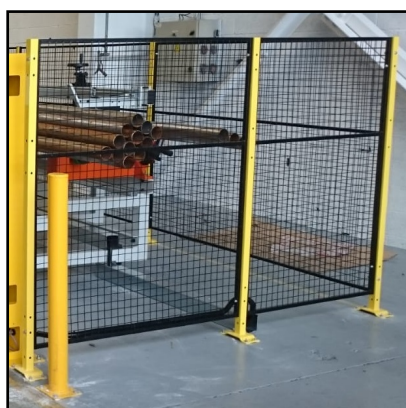
Hydraulic bundle cutting device. Max cutting capacity: 500x400mm; minimum cutting capacity: 125x50mm.



Industry 4.0 Ready - SAWFACTORY (Optional)

OPTIONAL

IMET automatic machines can be connected to the company network and be used remotely thanks SAWFACTORY and modem. SAWFACTORY is a dedicated software which allows to manage the cutting process from the office desk by setting cutting programs and monitoring the workflow thanks to the dedicated web app. The software also allows to also receive assistance by our technicians remotely. Discover SAWFACTORY: <https://bit.ly/2RuxHuX>



Metal protection barriers (Optional)

OPTIONAL

According to CE law, it's also available the protection safety system made by metallic barriers that covers the machine on the 4 side with CNC managed access doors to regulate and control the operator access to the . working area.



Safety photocells (Optional)

OPTIONAL

It's possible, if the user doesn't want a full metallic barriers protection system, to install a pair off photocells instead of one of the metallic side.



Loading/unloading free roller table (Optional)

OPTIONAL

Loading and unloading roller table with free rolls, 2m length with 2 vertical containment vertical rollers on one side. .



Motorized roller table (Optional)

OPTIONAL

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



Motorization system (Optional)

OPTIONAL

Motorization system for motorized roller table, recommended every 6m of motorized roller table. Max speed 10m/min.