

MACHINE MODEL

# CUBO 300 E FLAT

Automatic bandsaw with electronic control

Short description

CUBO 300 E FLAT is the electronic automatic bandsaw, is an innovative working tool intended to cut medium size tube, profiles and bars. The machine allows to cut one cutting length at a time by setting the measure and the position with the manual handler with digital reading. Machine has manual rotation of the bow and automatic material feeder.



Cutting capacity at 0°	Round: 255mm - Square: 230mm - Rectangular 300x180mm
Cutting capacity at 45°	Round: 210mm - Square: 190mm - Rectangular 200x160mm
Cutting capacity at 60°	Round: 135mm - Square: 110mm - Rectangular 130x100mm
Cutting capacity with bundle cutting	Max. 250x120mm - Min. 120x20mm
Blade motor	1.5/1.8KW
Blade motor with ESC	1.5KW
Blade speed	18/100m/min
Blade speed with ESC	35/70m/min
Blade size	2765x27x0.9mm
Altezza piano di lavoro	870mm
Feeder length	515mm
Feeder motor power	0.75kw
Scrap end	210mm
Min cutting length in automatic cycle	15mm
Hydraulic unit tank	20l
Coolant tank capacity	100l

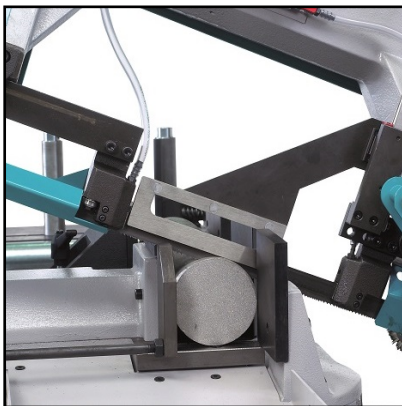
Working table height	870mm
Weight	850kg
Size	1940x1880x1830mm

## Features



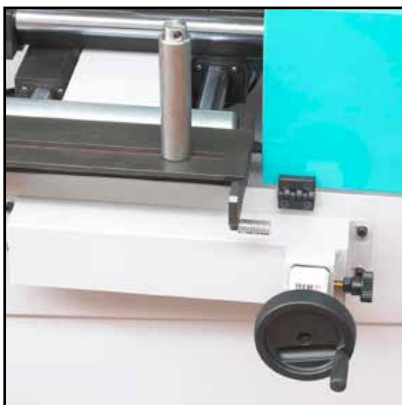
### Innovative CUBO series

CUBO Series introduces a cluster of innovation about design and new functionalities: CUBO range aims to optimize our customers user experience safeguarding the security of the machine operator during the cutting process, making CUBO the ideal working tool for every professional environment and metal carpentry.



### Automatic material detection

CUBO Series bandsaws has an automatic material detection system thanks to a mechanical device (position sensor) that allows the sawframe to lower quickly toward the material, detecting the automatically the start-cut point and micro-switch to control the end cut point.



### Cutting length

The machine is equipped with electronic control with manual selection of the cutting length with digital reading: after setting the required length and the number of cuts, a trim cut is performed, then the bar is cut till the end



### Programming via keyboard

Programming of all operation by means of the keyboard: through the machine display is also possible to manage blade life and speed, pieces counter, cycle time, motor absorption and working anomalies. Through the panel control is also possible to set the number of cuts.



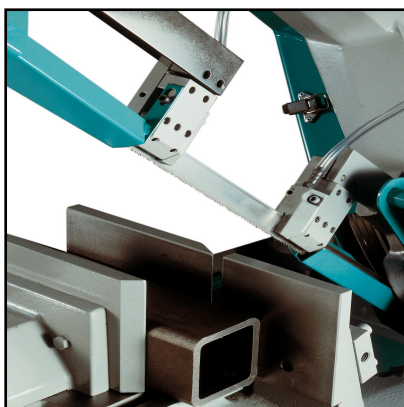
### Feeder system

CUBO 300 E FLAT is equipped with a feeder system with floating adjustment to ease the loading of material non perfectly straight and 300 mm opening; the maximum single stroke is 515 mm while the minimum is 4 mm



### Rigid sawframe

Cutting performances are guaranteed by the cast-iron sawframe with tubular section and high blade tension (1700 kg/cm<sup>2</sup>) that reduce the strain on the blade, helping to optimize cutting times even on bigger and wider sections.



### Blade protection

A carter protect the blade, allowing to have easy access for maintenance when needed; a system with blade guides with hard pads, additional lateral bearings provides for the perfect alignment of the blade. A motorized metal brush keeps the blade clean and provide to remove any residual while working.



## Electronic inverter for variable speed (18-110 m/min) (Optional) OPTIONAL

If required, the electronic inverter for variable blade speed allows the operator via keyboard to adjust the machine to be able to cut a wide range of materials and different sections. The change of speed is via inverter and it does not affect the power of the engine even at low speeds.



## 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.



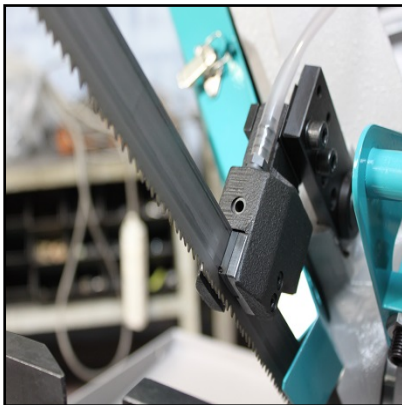
## Motorized chip conveyor (Optional) OPTIONAL

It's available for all the CUBO SERIES automatic bandsaw an optional motorized chip conveyor placed laterally (on the loading side) of the machine. The chip conveyor allows to optimize the machine efficiency by removing remainings and chips while cutting.



## Two pressure reducers (Optional) OPTIONAL

Two pressure reducer for hydraulic vices.



## Bi-metal blade (Optional)

OPTIONAL

Size: 2765x27x0.9mm



## Laser ray (Optional)

OPTIONAL



## Loading/unloading table - 1st element (Optional)

OPTIONAL

Loading/unloading roller table, first element, 2 m long, maximum capacity 700kg



## Loading/unloading table - following element (Optional)

OPTIONAL

Loading/unloading roller table, 2m long, following element, maximum capacity 600kg



Feeder supplementary roller (Optional)

OPTIONAL



Horizontal rollers (Optional)

OPTIONAL

Horizontal rollers for cutting more bars on the same row (Max. cutting capacity 250x100mm)



Pair of containment rollers (Optional)

OPTIONAL

Pair of vertical rollers 300 mm made in steel, max 2 pairs for each element 2m long. To use without rollers covers.