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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.

Scan the video



Cutting cycle (feeding)	0°-45° automatic / 45° to 60° semiautomatic
Sawframe rotation	Manual
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 capèacity with bundle cutting	Max. 250x120mm - Min. 120x20mm
Final scrap-end	230mm
Blade motor / with ESC	1.5/1.8KW
Blade speed / with ESC	18-100m/min
Blade size - tension	2765x27x0.9mm - 1700kgf/cm2
Feeder length	515mm
Feeder motor power	0.75kw
Min cutting length in automatic cycle	15mm
Hydraulic unit tank	20l
Size - Weight - Working height	1940x1880x1830mm - 870kg - 850mm

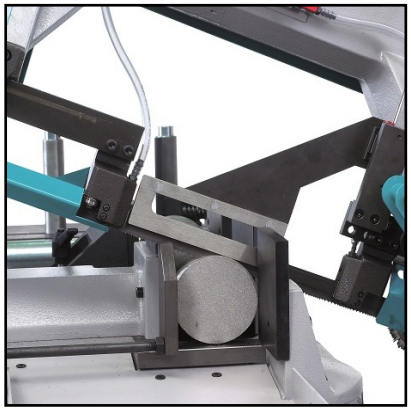
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Features



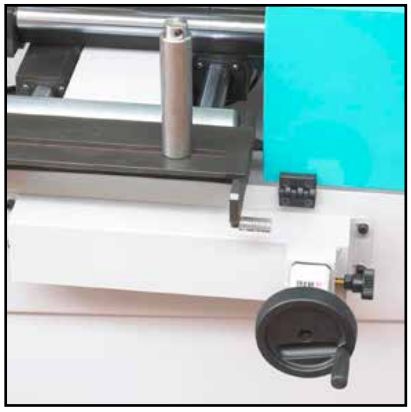
Innovative CUBO series

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

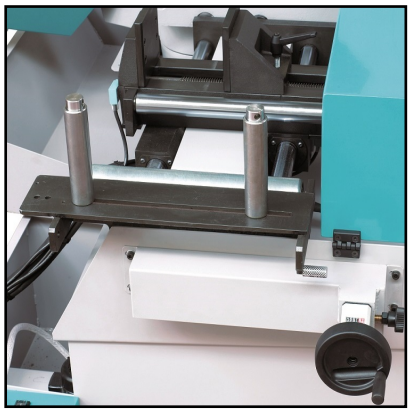
The machine is equipped with electronic control wich manual selection of the cutting length with digital reading: after setting the required length and the number of cuts, a trim cuti is performed, then the bar is cut till the end



Programming via keyboard

Programming of all operation by means of the keayboard: 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.

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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 stoke is 515 mm while the minimum is 4 mm



Rigid sawframe

Cutting performances are guaranteed by the cast-iron sawframe with tubolar section and high blade tension (1700 kg/cm2) that reduce the strain on the blade, helping to optimze cutting times even on bigger and wider sections.



Blade protection

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



Electronic inverter OPTIONAL

Art. A-0001

Electronic inverter for variable blade speed 19-100m/min.

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Minimal lubrification system — OPTIONAL

Art. 000947-06

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.



Two pressure reducers — OPTIONAL

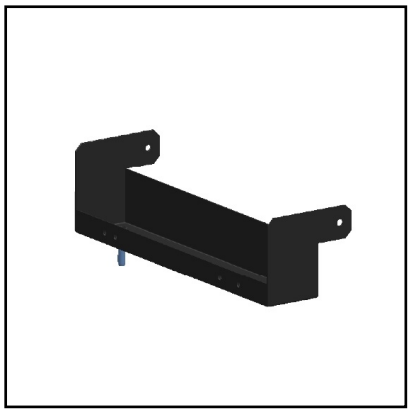
Art. 000964

Two pressure reducer for hydraulic vices.



Laser ray — OPTIONAL

Art. A-0003

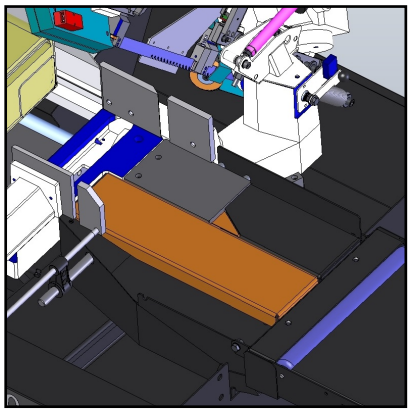


Connection element for infeed — OPTIONAL

Art. RABCUC

Connction elemen for loading side

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Connection element for outfeed — OPTIONAL

Art. RAB50S

The connecting element for roller tables for the discharge side allows both the passage of long pieces and the unloading of short pieces without them getting stuck in the exit slide.



Loading/unloading table - 1st element — OPTIONAL

Art. RTSPRW50

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



Loading/unloading table - following element — OPTIONAL

Art. RTSSEW50

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



Pair of containment rollers — OPTIONAL

Art. RI-W50

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