IMET SPA
Località tre fontane, 6 - 24034
Cisano Bergamasco (BG) Italy
Tel +39 035 4387911 | Fax +39 035 787066
imet@imetsaws.com
www.imetsaws.com

MACHINE MODEL

CUBO 300 NC BOX

Numerical control automatic sawing machine

Short description

CUBO 300 NC is the new IMET automatic sawing machine, part of the innovative CUBO series, products designed to optimize the user-experience and guarantee the operator's safety thanks to the barriers placed on the 4 sides of the machine.The 300 NC is equipped with numerical control,touch screen display and manual arc rotation and automatic integrated feeder.

Scan the video



Cutting cycle (material feeding)	0°-45° automatic / 45°-60° semiautomatic
Sawframe rotation	Manual
Cutting capacity at 0°	Round: 255mm - Square : 230mm - Rectangular: 300x180mm
Cutting capacity at 45° left	Round: 210mm - Sqaure : 190mm - Rettangular: 200x160mm
Cutting capacity at 60° left	Round: 135mm - Sqaure : 110mm - Rettangular: 130x100mm
Cutting capacity with solids (C45)	180mm
Cutting capacity with bundle	Max. 250x130mm - Min. 80x10mm
Blade motor - Blade speed	1.5kW - 18-100 m/min
Blade dimensions	2765x27x0.9mm
Integrated motorized feeder	Single stroke 515mm - Motor power 0.75KW
Minimum cutting diameters	10mm
Minimum cutting length	10mm
Minimal Scrap-end	230mm
Hydraulic power unit tank capacity	20l
Size and weight	2030x1830x1830mm - 1000kg
Blade tension	1700 kgf/cm2

IMET SPA
Località tre fontane, 6 - 24034
Cisano Bergamasco (BG) Italy
Tel +39 035 4387911 | Fax +39 035 787066
imet@imetsaws.com
www.imetsaws.com

Features



CUBO Series

CUBO is the line of automatic saws developed to optimize the user experiencee thanks to the introduction of various stylistic and functional innovations. Ease of use and safety for the operator during the cutting make it the ideal work tool for any environment .



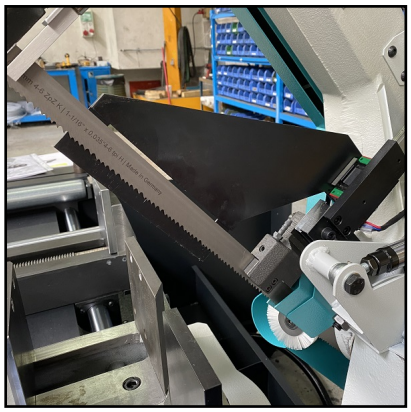
Touch screen display

Through the 7-inch touch screen display (with simple and intuitive graphics to optimize the user-experience it is possible to set and control all the machine parameters;the interface allows you to set up cutting projects with different quantities and lengths on the same bar and visualize any errors during the cutting process



Nymerical control

It allows to store up to 99 cutting programs by automatically calculating the thickness of the blade,total number of pieces to be cut, cutting length settings and running of the automatic cutting cycle.



Automatic material detection

CUBO 300 NC is equipped with an automatic material detection device to optimize the cutting process facilitating the approach to the material and adjusting the end cut by means of a microswitch.

IMET SPA
Località tre fontane, 6 - 24034
Cisano Bergamasco (BG) Italy
Tel +39 035 4387911 | Fax +39 035 787066
imet@imetsaws.com
www.imetsaws.com



Security and accessibility

CUBO 300 NC has an integrated protection system on the 4 sides of the machine to ensure maximum safety for the operator during the cutting process. The protection system does not prevent complete access to the internal parts of the machine for any maintenance needs.



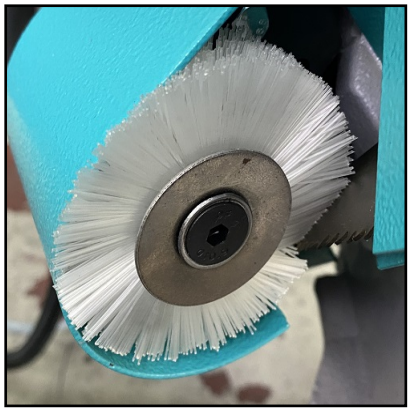
Feeder carriage

The feeder carriage has a maximum stroke of 515mm. The sliding takes place on chromed bars with high precision of the posiitoning due to the incremental feeding on recirculating ball screw by self-braking electric motor and inverter



Speed variator

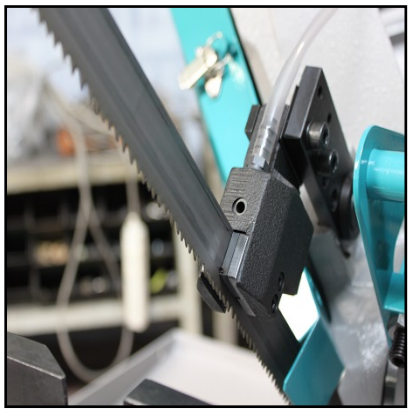
The versions of the numerically controlled CUBO (CUBO 300 NC and CUBO 300 NC FLAT) are equipped with an inverter speed variator as standard.



Blade cleaning brush

CUBO 300 NC mounts a motorized nylon blade cleaning brush for maximum efficiency during the cutting process.

IMET SPA
Località tre fontane, 6 - 24034
Cisano Bergamasco (BG) Italy
Tel +39 035 4387911 | Fax +39 035 787066
imet@imetsaws.com
www.imetsaws.com



Blade — OPTIONAL

Art. 614397

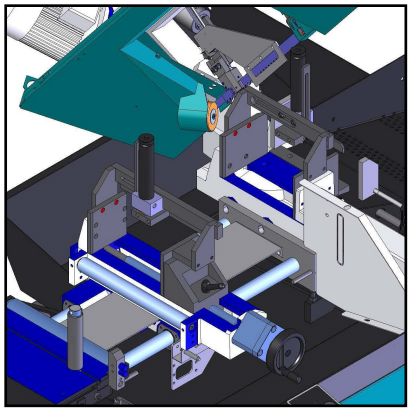
Bimetal blade (dimensions: 2765x27x0,9mm - Optional) easily replaceable. The CUBO 300 NC blade has a tension of 1700kg / cm2, 1.5KW motor for maximum precision and reduction of cutting times.



Industry 4.0 ready - SAWFACTORY — OPTIONAL

Art. 918644-02

All CUBO Series automatic sawing machines can be connected to the company network via modem: the dedicated software SAWFACTORY is also available for teleserivce, assistance, programming and remote management of the cutting process. The software allows you to transfer data and programs from the PC (where the program is created) to the machine via USB. Discover SAWFACTORY: https://bit.ly/2RuxHuX



Bundle cutting — OPTIONAL

Art. 000951-05

The CUBO automatic band saws (FLAT/BOX version) can be used with the bundle cutting device. The bundle cut can only be used for 0° cutting. Single piece capacity with mounted device: 250x130mm max, 10mm min. Cutting capacity for bundle is: max 250x130mm, minimum 90x10mm. The device can be diassembled using the 2 screws on the fixed vice and the 2 on the carriage vice and disconnecting the hydraulic tubes using the quick couplings systems. Not compatible with laser ray.



Motorized screw chip conveyor — OPTIONAL

Art. A-0055

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

IMET SPA
Località tre fontane, 6 - 24034
Cisano Bergamasco (BG) Italy
Tel +39 035 4387911 | Fax +39 035 787066
imet@imetsaws.com
www.imetsaws.com



Minimal lubrication system — OPTIONAL

Art. 000947-06

It is possible to request for any type of machine the minimum lubrication which eliminates the dispersion of coolant typical in the use of emulsifiable oil, the duration of the blade is not compromised in any way.



Pressure reducer — OPTIONAL

Art. 000964

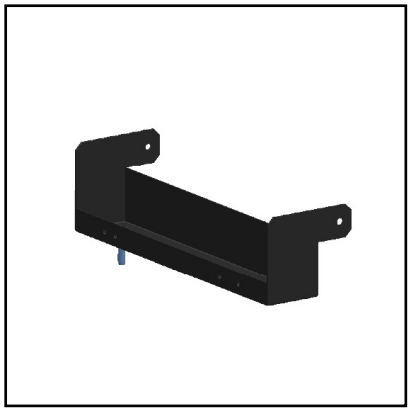
Available in kits of 2 pressure reducers for hydraulic vices.



Laser ray — OPTIONAL

Art. A-0003

The device shows the cutting line on the material. Not to be used with bundle device

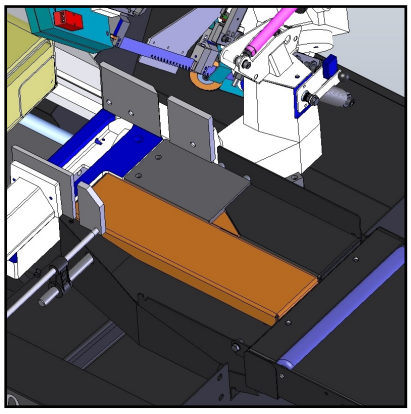


Connection for loading table — OPTIONAL

Art. RABCUC

Connection element for loading table, with 1 roller, 1 leg and slide

IMET SPA
Località tre fontane, 6 - 24034
Cisano Bergamasco (BG) Italy
Tel +39 035 4387911 | Fax +39 035 787066
imet@imetsaws.com
www.imetsaws.com



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 chute.



Loading/unloading table - 1st element OPTIONAL

Art. RTSPRW50

Loading/unloading table, 1st element, length 2 m, maximum capacity 700 kg



Loading/unloading table - following element OPTIONAL

Art. RTSSEW50

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



Containment vertical rollers OPTIONAL

Art. RI-W50

Pair of vertical steel containment rollers (max. 2 pairs per 2 m section, for use without roller-cover table) (only for RTS)