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MACHINE MODEL

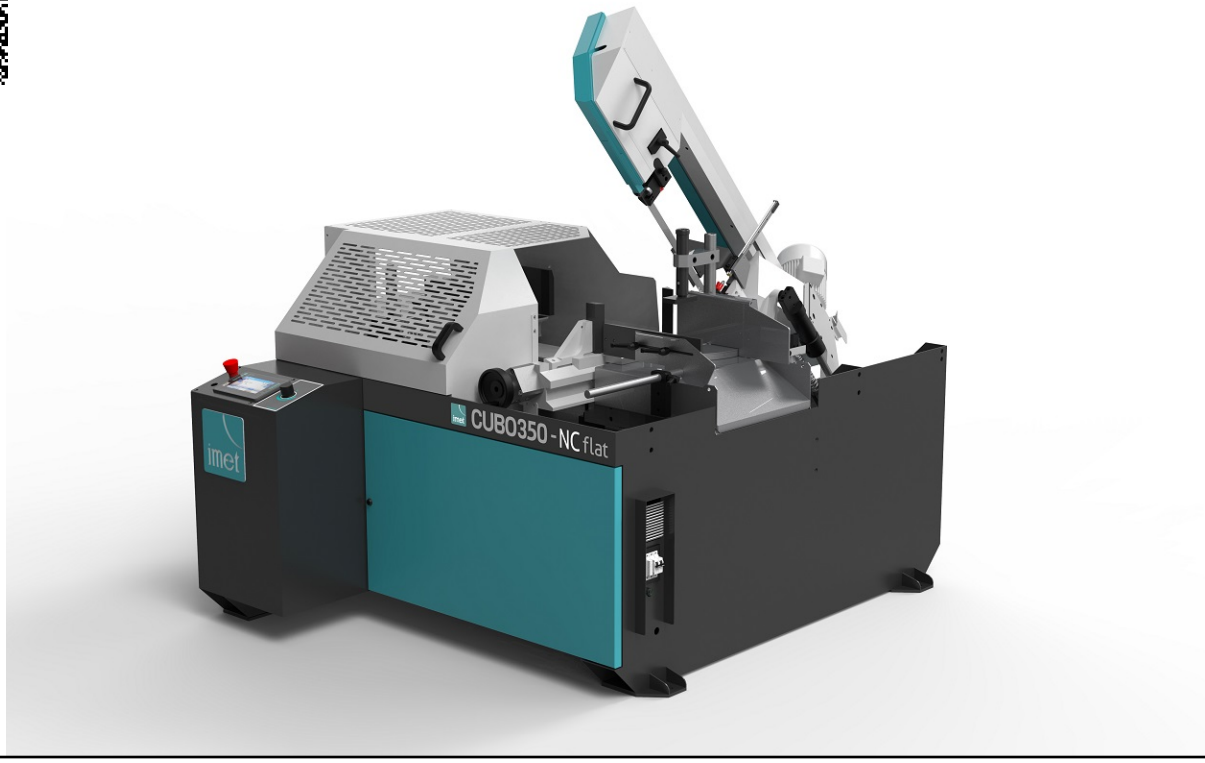
CUBO 350 NC FLAT

Numerical control automatic sawing machine

Short description

CUBO 350 NC FLAT is the numerically controlled automatic hydraulic sawing machine for the production of pipes in series, profiles, beams and medium-sized bars with the possibility of cutting up to 60 ° with manual sawframe rotation. Through the Industry 4.0 Ready system, CUBO 350 NC FLAT can be controlled and programmed remotely.

Scan the video



Cutting capacity at 0 °	Round: 305mm - Square: 250mm - Rectangle: 350x200mm
Cutting capacity at 45 ° left	Round: 255mm - Square: 230mm - Rectangle: 230x200mm
Cutting capacity at 60 ° left	Round: 175mm - Square: 155mm - Rectangle: 170x100mm
Cutting capacity at 0 ° full (C45))	200mm
Blade size	3370x27x0.9mm
Blade motor	1.8KW
Blade speed	15-100 m/min
Motor of the feeder carriage	0.75KW
Minimal waste	80mm
Hydraulic power unit tank capacity	20l
Coolant tank capacity	100l
Minimum cutting length	20mm
Minimum cutting length	10mm
Weight - size	890kg - 2190x2245x1850mm - 880mm
Blade tension	2000 kgf/cm2

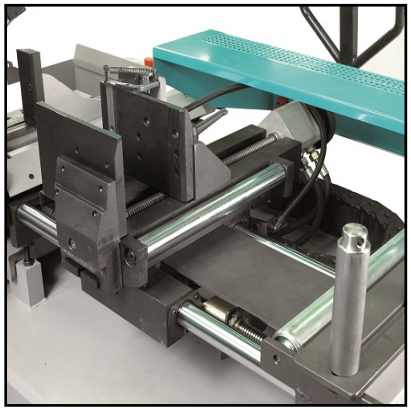
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Features



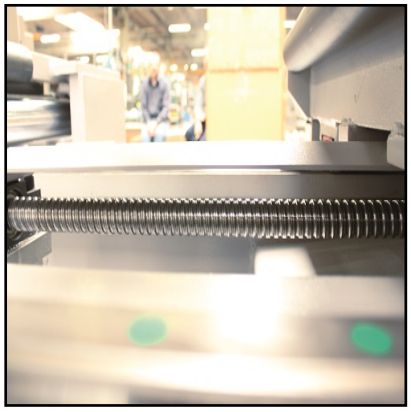
CNC Touch Screen

CUBO 350 NC FLAT is equipped with numeric control via touch screen with the possibility of managing all the operating functions of the machine and controlling the selected cutting program (up to 99 program lines can be set). Using the keyboard, cutting lengths from 4-9999mm can be set with automatic repetition of strokes and total number of pieces to be cut.



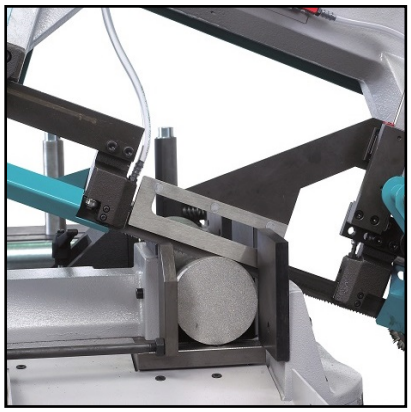
Feeder carriage

The sliding of the feeder carriage is on chromed bars.The feeder carriage is on a floating plate to facilitate the loading of non-straight material.



Screw advancement

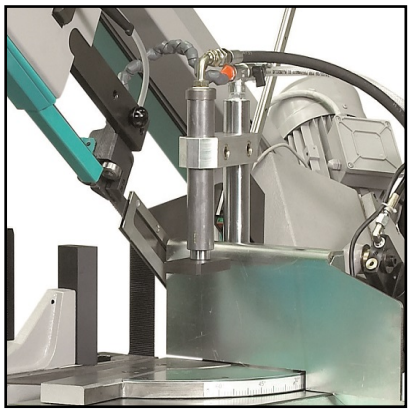
The cutting precision is ensured by the incremental feed with ball screw and self-braking electric motor with inverter and encoder.



Mechanical feeder device

By means of a feeder, the machine automatically detects the cutting start point for rapid approach to the material. The cutting end adjustment is carried out by means of a microswitch.

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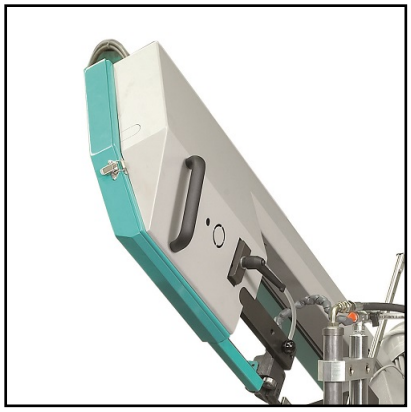
Anti-burr presser

CUBO 350 NC FLAT is equipped as standard with a vertical vice on the unloading side.



Blade speed

The blade speed is managed by an inverter and a servo-ventilated gearmotor. The blade can cut at a speed between 18 and 100 m / min for maximum effectiveness on different materials.



Steel bow

CUBO 350 NC FLAT is equipped with a rigid steel arch with tubular section and 360mm pulleys with hard metal blade guide and additional bearings for belt alignment. Main switchwith minimum tension coil, emergency button, thermic and magnetic motor protection



Cleaning the blade

The blade is kept clean by the standard blade cleaning brush.a di serie.

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Industry 4.0 Ready - SAWFACTORY OPTIONAL

All the automatic saws in the BS range can be connected to the company network via modem: the dedicated software SAWFACTORY is also available for teleservice, 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



Automatic sawframe rotation with 2 position OPTIONAL

CUBO 350 NC (Flat and Box) are compatible with the automatic sawframe rotation device. The system has mechanical stops with 2 positions and allows to optimize user workflow with mitre cutting on a same bare in automatic cycle. Link: https://youtu.be/wZAjSwt6x3Y



Minimal lubrication system OPTIONAL

It is possible to request for any machine the minimum lubrication which eliminates the dispersion of coolant typical in the use of emulsifiable oil, the duration of the blade is in no way affected.



Motorized chip conveyor OPTIONAL

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 removing chips while cutting.

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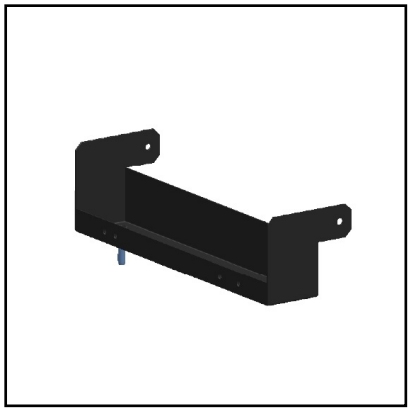


Laser ray — OPTIONAL

The device tracks the cutting line on the material during the sawframe descent. Not compabile with hydraulic bundle device (only one of the two can be put on a single machine).

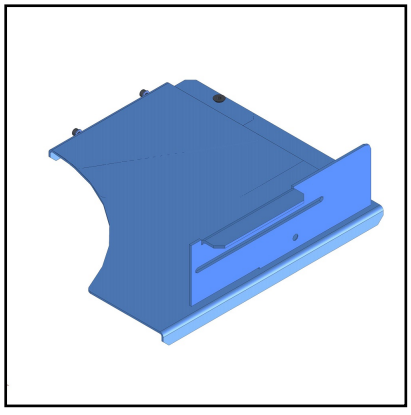


Angle digital display — OPTIONAL



Connection element for roller table — OPTIONAL

Connection element for roller table on the loading side.



Unloading side connection element — OPTIONAL

The adapter is required to connect the RTS roller tables to the unloading side of the saw. The RAB can be assembled in 3 ways depending on the cutting angle.

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Loading / unloading roller table OPTIONAL

Idle roller table compatible both for the loading and unloading side. First element, 2m in length and maximum capacity 700kg.



Loading / unloading roller table OPTIONAL

Idle roller table compatible for both the loading and unloading sides. Next element with 1 pedestal, 2m long and maximum capacity 600kg.



Pair of vertical rollers OPTIONAL

Pair of vertical steel containment rollers. Maximum 2 couples; single element 2m. To be used without rollers cover.