



TUBE CUTTING MACHINE

FOR THE CUTTING OF TUBES IN BARS WITH SCORE AND PULL-APART SYSTEM



The tube cutting machine is a device suitable to cut tubes to a required length, starting from bars (straight lengths).

It has been developed to eliminate all the problems which exist with the orbital cutting systems, which are conceptually similar but realized with scoring wheels.

The main work of this device is to cut the tubes without causing a deformation of the tube in correspondence with the cut edge.

The cut, in fact, is not carried out by blades, which insist orthogonally on the wall of the tube, but is carried out through the combined action of:

- a scoring tooth (realized with three keen tooling) which removes progressively materials along a circular section of the cylindrical wall, reducing only the wall thickness, and of
- a clamp which breaks the segment of the tube.

Depending on the requested level of automation, the tube cutting line is available in 3 versions.

The semi-automatic version of the tube cutting line requires that loading of the straight length to be done manually, while its displacement and the unloading of the cut pieces is automatic.



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SEMI- AUTOMATIC VERSION



WATCH THE VIDEO

The semi-automatic version is complete with the following components:

- loading table with idle rolls, for maximum tube length 6000 mm
- Motorized rolls to feed the tube into the cutting device
- Device for tube cutting by score and break system
- Unloading device, with metric mechanical reference to set the cutting length, up to xxxx mm

Quick format change

At diameter change: 5 min, replacement of the tube holding clamps and the guide bushings.



See [video](#)

**TECHNICAL FEATURES**

Material of tubes to be cut	:	steel, stainless steel, copper and aluminium
Thickness of the tube to be cut	:	mm 0,3-1,0
External tube diameter	:	mm 6 – 22 (to be defined)
Min. length to be cut	:	mm 100
Pneumatic supply	:	Bar 6
Electrical power	:	KW
Voltage	:	V To be defined
Time to change cut length	:	min. 2
Time to change tube diameter	:	min. 5
Cutting time (score and break operation)	:	sec. 2,5 ÷ 3,5

AVAILABLE VERSIONS

Mod. 112/09.SBAX00 For tube cutting length up to XXX mm (available in any length), length of loading table with rollers for tubes before cutting 6000 mm.

OPTIONAL PARTS

Mod. 112/00.SB0011 + 112/00.SB0020 Set of parts for second diameter of tube

Mod. 140/50.TMR600 Automatic feeder with roller system, for tube length from 400 to 6000 mm (available in any length)