

Automatica E

Single head cutting-off machine



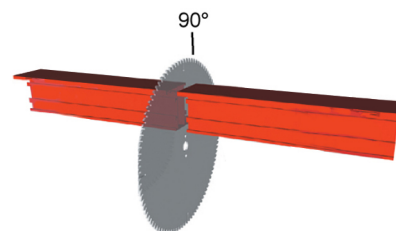
Feeder with bridge clamps (optional) 01



45° clamps (optional) 02

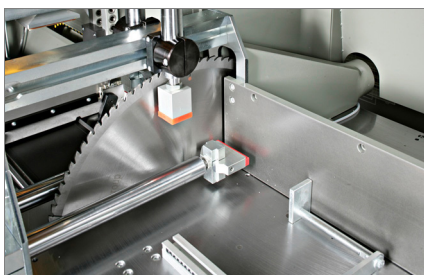


Single head, rising blade cutting-off machine with automatic cycle, for 90° cutting, equipped with N/C bar feeder, cutting positional tolerance down to ± 0.05 mm. The machine is provided with a pneumatic system for automatic separation of the cut piece in order to ensure maximum quality of the cut surface. Blade feed can be pneumatic or hydraulic; hydraulic feed makes the machine especially useful for cutting large profiles. Programming is via the PCL unit on board the machine.



Cutting zone 03

Control 04



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01 Feeder with bridge clamps (optional)

Bar feed system based on the use of a controlled axis to ensure, thanks to the recirculating ball feed screw, great accuracy in positioning. Programming via the PLC on board the machine. The set of bridge clamps (optional) allows maximum versatility in clamping widely differing profile geometries as well as rapid set-up of the workpiece clamping cylinders.

02 45° clamps (optional)

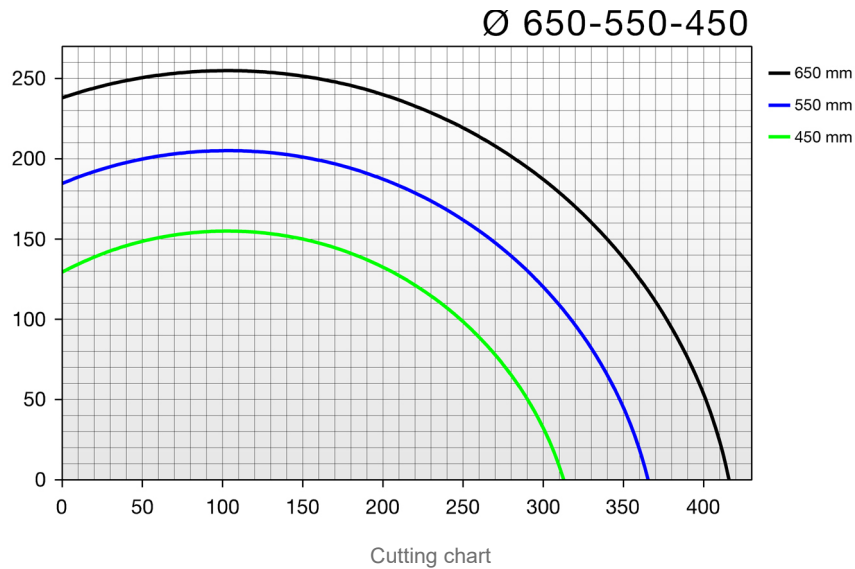
Optional accessory which allows correct clamping and cutting of profiles with irregular geometry, thus ensuring maximum rigidity and holding of the accuracy, which is the outstanding characteristic of the machine. Use of this system is also characterized by simplicity and rapidity of the set-up.

03 Cutting zone

In order to allow maximum utilization of the large cutting capacity which ensures the machinability of large profiles, the cutting zone is characterized by a rugged structure designed to offer maximum accuracy. This regards both the horizontal work table and the vertical fence.

04 Control

The control zone consists of a control console equipped with a PCL unit from which is it possible to program single cuts or cuts from cutting lists either locally or in remote mode by using the connection via serial port. The machine control is complete with a clamp pressure regulating system and predisposition for adjusting the blade outfeed rate



BLADE	
Carbide-tipped (depending on model) (mm)	450 550 650
Swarf conveyor for blade	•
BLADE FEED	
Hydro-pneumatic or hydraulic (depending on model)	•
CUTTING ZONE GUARDS	
Full guard, manually operated	•
LUBRICATION SYSTEM	
Minimum quantity oil lubrication	•
CLAMPS	
Pair of vertical pneumatic clamps with pressure reducing valve and pressure gauge	•
Pair of horizontal pneumatic clamps with pressure reducing valve and pressure gauge	•
MOTOR	
Three-phase brake motor, operating time 10 sec. (kW)	5,5
PREDISPOSITION FOR SWARF EXHAUSTER	
MG	•
ACCESSORIES	
Pneumatic system for separating cut piece	•
FEEDER	
With N/C control (mm)	0÷1000
Feed rate (m/min)	20