

Doppia Libra

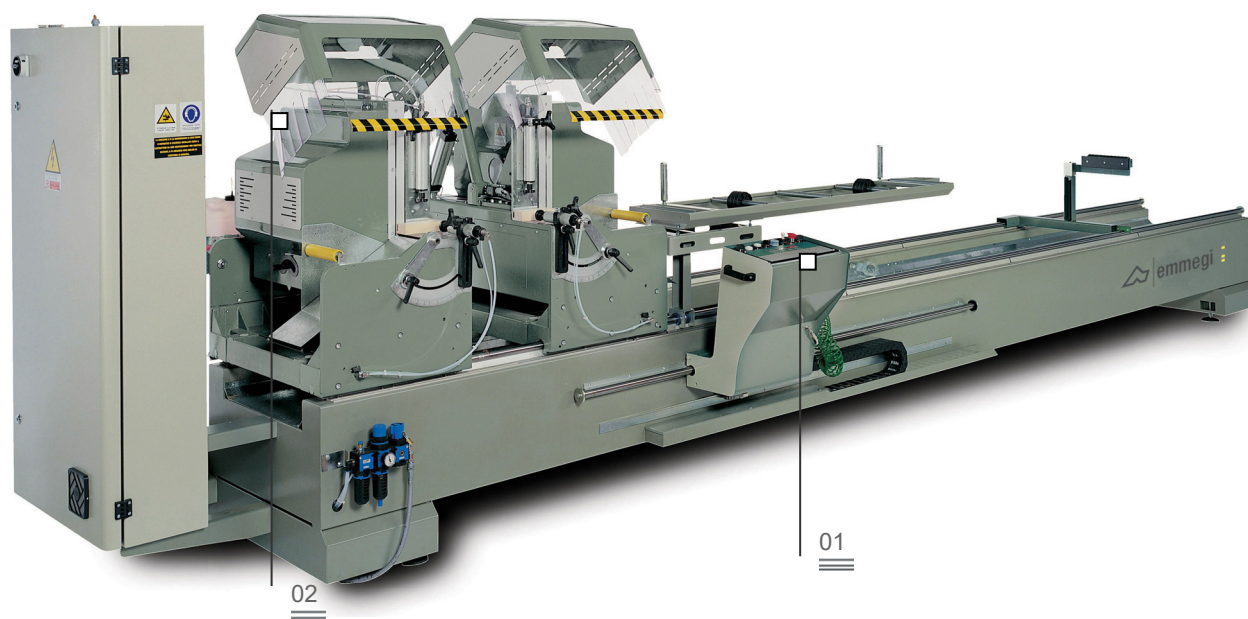
Twin-head cutting-off machine

Control

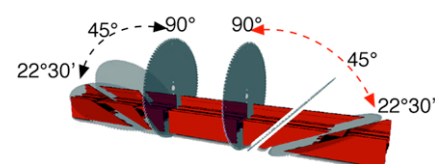
01

Tilting of the moving cutting heads

02



The Emmegi twin-head cutting-off machines boast of exceptional performance characteristics, including ruggedness and reliability. This machine is the ideal tool for cutting aluminium and PVC bars in various thicknesses and at different angles. Latest generation machines which can make a considerable contribution to the production cycle thanks to their high standard of accuracy and user-friendliness. Doppia Libra is a twin-head cutting-off machine with automatic movement of the right cutting head through a numerically controlled dc motor. The machine can be provided with an industrial label printer to enable profile identification and association with relative job.



Label printer (optional)

03

Intermediate support (optional)

04

Electronic profile thickness gauge (optional)

05



Doppia Libra

Twin-head cutting-off machine

01 Control

The user-friendly control panel installed on the various models, runs on bearings and allows correct positioning of the moving cutting heads according to cutting specifications. The work cycle is optimized through creation of the cutting lists thus reducing scrap as well as workpiece loading/unloading times.

02 Tilting of the moving cutting heads

Rotation of the heads about the horizontal axis is powered by pneumatic cylinders. External angles from 90° to 45° can be obtained from machines fitted with 450 mm diameter blades. Using 500 mm blades, it is possible to obtain outer angles from 90° to 22°30'. Intermediate angles can be obtained by using the manually adjustable stop. The moving cutting heads are fully guarded in the work zone and lowering of these guards is pneumatic.

03 Label printer (optional)

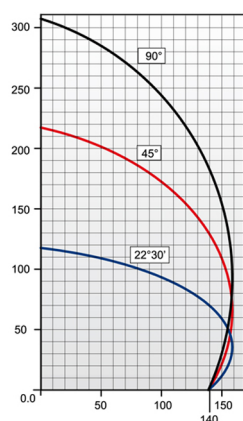
The industrial label printer allows identification of each cut profile with the profile I.D. data originating from the cutting list. In addition, the printing of bar codes permits easy identification of the actual profile, which is particularly useful for subsequent machining phases on the machining centers or on assisted assembly lines.

04 Intermediate support (optional)

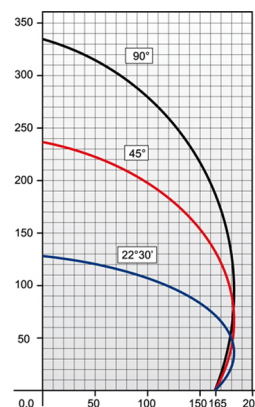
The pneumatic intermediate support proves highly useful when cutting light profiles with considerable lengths. In such case the pneumatic support automatically seeks to create the ideal condition to support the profile.

05 Electronic profile thickness gauge (optional)

This sophisticated profile thickness control system allows automatic correction of the cutting dimension in relation to the actual size of the profile, with relative tolerance derived from surface treatments such as painting, anodization, etc. The device can be used at the operator's discretion and in various modes, according to the following probing cycles: new bar cutting, with every single cut, with consequent correction of the entire cutting list, including the formula of the macro.



Ø 450



Ø 500

Cutting chart

CONTROL CHARACTERISTICS

LCD back-lit display	•
USB port	○
Predisposition for connection to industrial label printer	•
Execution of single cuts	•
Memorization of 99 profile compensations with automatic calculation of the size for angle cuts	•
Memorization of 25 cutting lists (each with 100 lines) via cable from external PC through RS232 board	•
Creation of 100 window styles (1500 formulae) downloadable on USB	•

MACHINE CHARACTERISTICS

Measurement of moving cutting head position via direct measuring system with magnetic tape	•
2 carbide-tipped blades	•
Full guard for cutting zone, pneumatically operated	•
Pair of pneumatic horizontal and vertical clamps with "low pressure" device	•
Profile support roller conveyor	•
Spray-mist lubrication system with oil and water emulsion	•
Manual profile support	•
Scraper conveyor system for swarf disposal	•
Predisposition for automatic start of swarf exhaustor MG	•
Pair of standard counterblocks	•
Metric scale	•
Cutting capacity 5 m	•
Blade motor power rating (kW)	2.2

- included
- available