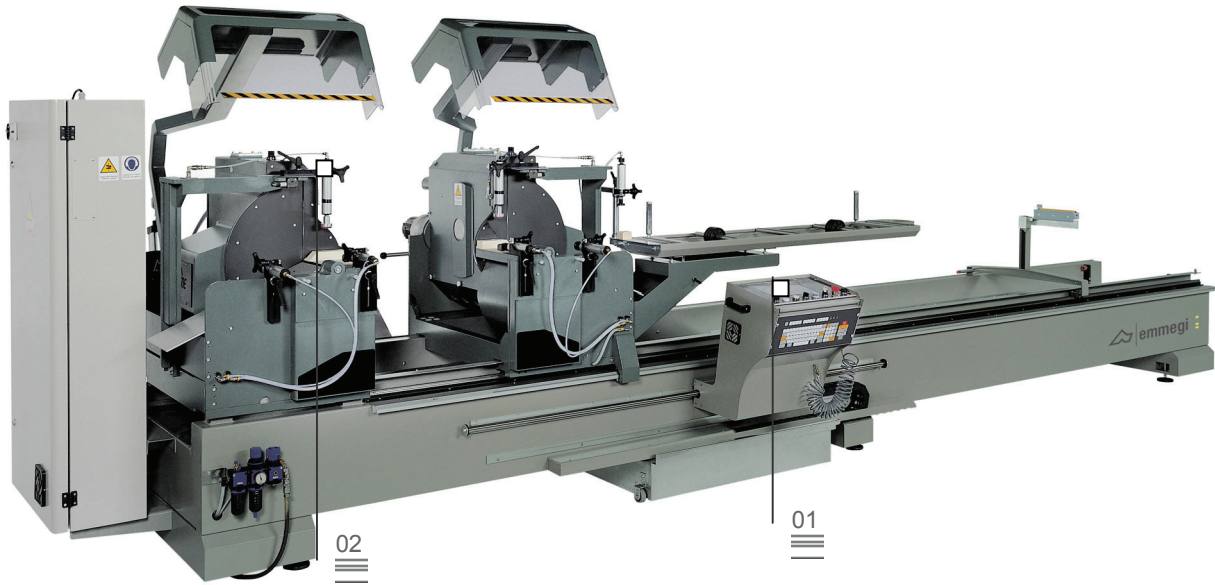


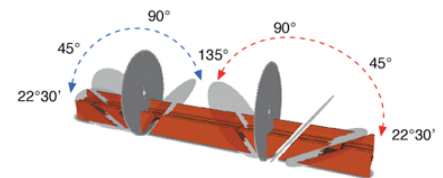
**Twin Electra 550**  
Twin-head cutting-off machine

**Control** 01

**Tilting of the moving cutting heads** 02

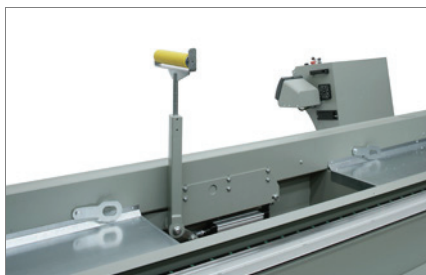
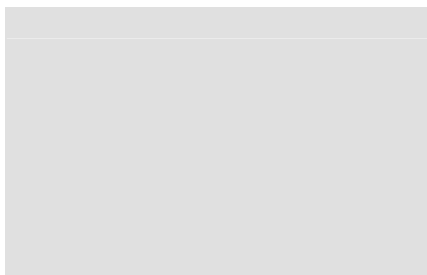


The Emmegi twin-head cutting-off machines boast of exceptional performance characteristics, including ruggedness and reliability. This machine is the ideal tool for cutting aluminium and PVC bars in various thicknesses and at different angles. Latest generation machines which can make a considerable contribution to the production cycle thanks to their high standard of accuracy and user-friendliness. Twin Electra 550 is a twin-head cutting-off machine with 3 axes and automatic traversing of the moving cutting head on slideways and roller packs. It features electronic control of all the angular settings through brushless motor, from 45° (internal) to 22°30' (external) with accuracy on each degree of 240 places. The machine can be provided with an industrial label printer to enable profile identification and association with relative job.



**Intermediate support** 03

**Electronic profile thickness gauge** 04



# Twin Electra 550

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

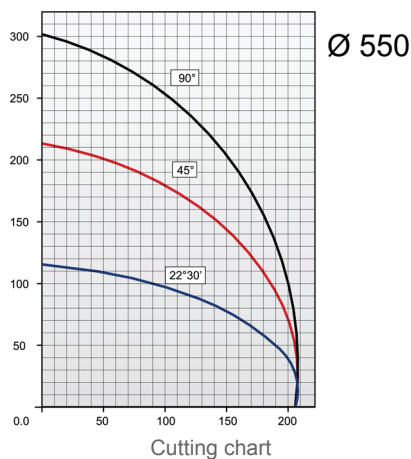
Tilting of the moving cutting heads is powered by servomotors with encoder while relative positioning is controlled electronically and parameterized by the control system, which has a simple user-friendly operator interface. The moving cutting heads are fully guarded in the work zone and lowering of these guards is pneumatic.

## 03 Intermediate support

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. This accessory is available for all lengths, but it is especially recommended on machines with cutting capacity of 5 and 6 metres.

## 04 Electronic profile thickness gauge

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 different probing cycles with consequent correction of the entire cutting list, including the formula of the macro.



### CONTROL CHARACTERISTICS

- Industrial computer "Windows XPE" compatible
- 12" colour TFT graphic monitor
- 1 GB DOMM memory
- Mouse built into keyboard
- Provision for connection to industrial label printer
- Provision for connection to remote PC via USB, network or serial port (depending on version)
- Execution of cyclic cuts from cutting lists and macros
- Execution of single cuts
- Memorization of 500 profile compensations with automatic calculation of the size for angle cuts
- Memorization of 500 cutting lists (each with 1000 lines) via keyboard
- Drop-away control panel
- Optimization of bars

### MACHINE CHARACTERISTICS

- Electronic control of intermediate angles
- Measurement of moving cutting head position via direct measuring system with magnetic tape
- 2 carbide-tipped blades
- Full guard for cutting zone, pneumatically operated
- 2 pairs of horizontal pneumatic clamps with "low pressure" device
- Profile support roller conveyor
- Extra profile support clamp on the roller conveyor
- Minimum quantity oil lubrication system
- Cutting angles with blades dia. 450 and 500 mm from 22°30' (external) to 90°
- Manual profile support
- Scraper conveyor system for swarf disposal
- Provision for automatic start of swarf exhaustor MG4
- Pair of standard counterblocks
- Metric scale
- Cutting capacity 5 m
- Blade motor power rating (kW)