

# Radial Star

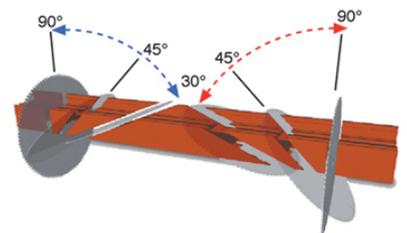
Twin-head cutting-off machine

Control 01

Tilting of the moving cutting heads 02

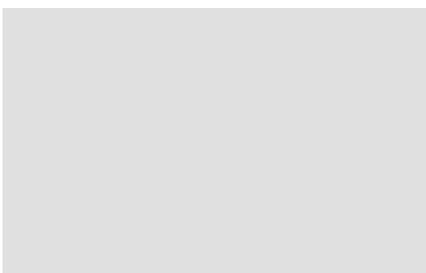


The Emmegi twin-head cutting-off machines boast of exceptional performance characteristics, including ruggedness and reliability. This machine is the ideal tool for cutting aluminium and PVC bars in various thicknesses and at different angles. Latest generation machines which can make a considerable contribution to the production cycle thanks to their high standard of accuracy and user-friendliness. Radial Star is an electronic twin-head cutting-off machine with radial movement of the blades, automatic traversing of the moving cutting head and tilting inwards up to 30°. It is designed for cutting large profiles. The machine can be provided with an industrial label printer to enable profile identification and association with relative job.



Digital readout for intermediate angles (optional) 03

Pneumatic intermediate support (optional) 04



# Radial Star

Twin-head cutting-off machine

## 01 Control

The user-friendly control panel installed on the various models, runs on bearings and allows correct positioning 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

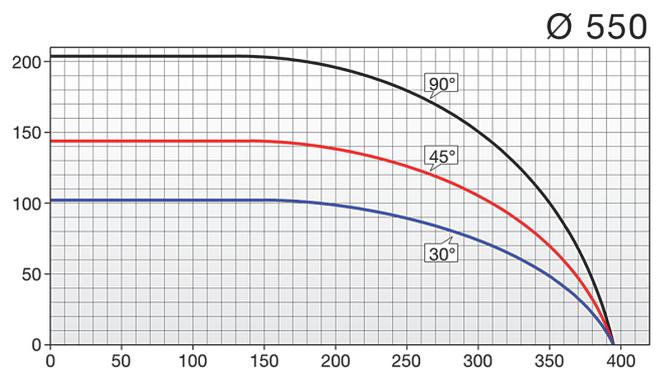
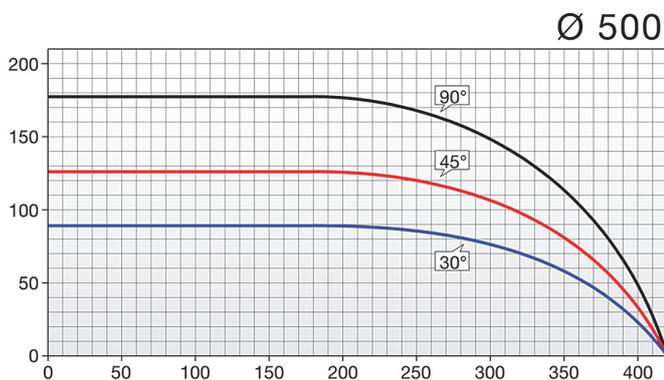
The blade holder units, positioned on each of the mobile heads, can be positioned through pneumatic cylinders in respect to the back fence, at 90°, 45°, 30° and at intermediate angles towards the inside. The moving cutting heads are fully guarded in the work zone and lowering of these guards is pneumatic.

## 03 Digital readout for intermediate angles (optional)

When there is pneumatic tilting of the moving cutting heads, the intermediate angle readout allows exact identification of the tilting of the cutting head, thereby ensuring accuracy of the cut profiles. This device, which is specially useful in making cuts at intermediate angles, allows the operator to identify the required angular setting quickly and accurately.

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



Cutting chart

### CONTROL CHARACTERISTICS

- Industrial computer "Windows XPE" compatible
- 12" color TFT graphic monitor
- 1 GB DOMM memory
- Mouse built into keyboard
- Predisposition for connection to industrial label printer
- Predisposition 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
- Bar optimization

### 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
- Lubrication system, spray-mist lubrication with oil and water emulsion or minimum quantity oil lubrication (depending on version)
- Manual profile support
- Predisposition for automatic start of swarf exhauster MG
- Metric scale
- Cutting capacity 4/5/6 m depending on model
- Blade motor power rating (kW)

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