



Radial Libra

Double-head cutting-off
machines



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 Libra 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.



Mobile heads tilting

The blade holder assembly, located on each of the movable heads, can be positioned by pneumatic cylinders, relative to the profile support plane of the profile, at 90°, 45°, 30° and at intermediate inward angles. Mobile units are equipped with integral pneumatic drop-down protections of the machining area.



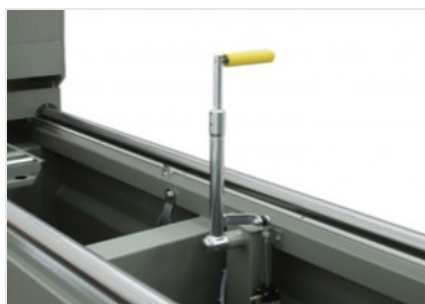
Control

The control installed on the various models, designed for ease of use and sliding on bearings, allows correct positioning of the moving heads according to the specifications of the cut to be made. The machining cycle can be optimised by creating cutting lists, thereby reducing scrap and cycle times for workpieces loading-unloading.



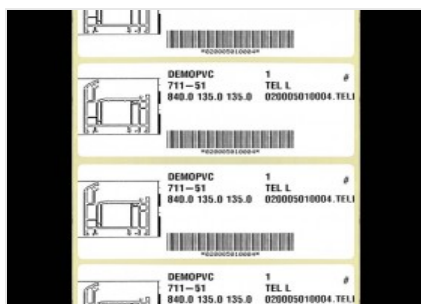
Digital viewer for intermediate angles (Optional)

In the presence of pneumatic tilting of the moving heads, the intermediate angle viewer allows the tilting of the cutting unit to be identified with absolute precision, ensuring the accuracy of the cut profiles.



Pneumatic intermediate support (Optional)

The pneumatic intermediate support is extremely useful when cutting light profiles of considerable lengths. In this case, the pneumatic support will, automatically, provide the ideal condition to support the profile. This accessory is available for all lengths, but is specifically recommended on machines having 6-meter useful cuts.



Provision for printer (Optional)

The machine is provisioned for the installation of a printer that can be selected from compatible models. The set-up includes enabling of the print function and mechanical and electrical presetting for connection to the printer.



Label printer (Optional)

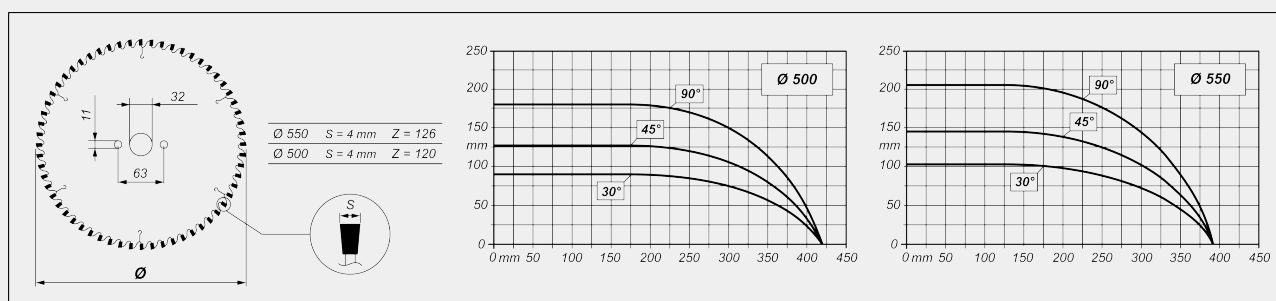
The industrial label printer allows each cut profile to be identified with identifying features from the cutting list. In addition, barcode printing enables easy identification of the profile itself, which is particularly useful for subsequent machining steps on Machining Centres or assisted assembly lines.


RADIAL LIBRA / DOUBLE-HEAD CUTTING-OFF MACHINES
COMMAND FEATURES

6" graphic LCD display	●
Preparation for label printer connection	○
Label printer with a speed of 150 mm/sec	○
Label printer with peeling device with a speed of 150 mm/sec	○
USB port	●
RJ45 network card	○
Presetting for connection with remote PC via USB, network or serial (depending on version)	●
Perform single cuts	●
Storage of 99 profile corrective values with measurement automatic calculation for angled cuts	●
Storage of 20 cutting lists (50 rows each) from keyboard	●
Storage of 25 cutting lists (100 rows each) via cable from an external PC using a USB	●
Creation of 100 door/window types (1500 formulas) downloadable to USB	●

MACHINE CHARACTERISTICS

Mobile head position reading with magnetic strip direct measuring system	●
Cemented carbide blade	2
Cutting area pneumatically-controlled integral protection	●
Pair of horizontal and vertical pneumatic vices with "low pressure" device	●
Profile support roller conveyor	●
Water spray-mist lubrication system with oil emulsion or minimal diffusion oil spray-mist (depending on version)	●
Manual profile support	●
Pre-setting for automatic exhauster start	●
Metric ruler	●
Cutting capacity (mm)	4.000 / 6.000
Blade motor power (kW)	1,85

CUTTING DIAGRAM


Included ● Available ○

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