



Combi 5 Assi Star

Double-head cutting-off
machines



Electronic double-head cutting-off machine with 5 axes for compound cuts. Motorised and electronically controlled rotation of the horizontal axis ($22^{\circ}30'$ external and 45° internal) and the vertical axis (45° internal). 500 mm-blade. Available with a useful cut of 4 and 6 m in length.



Mobile heads tilting

Servomotors with encoders provide for the rotation of the heads around the horizontal axis, and the relevant positioning is electronically managed and parameterised by the control. Rotation around the vertical axis is by pneumatic cylinders. 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.



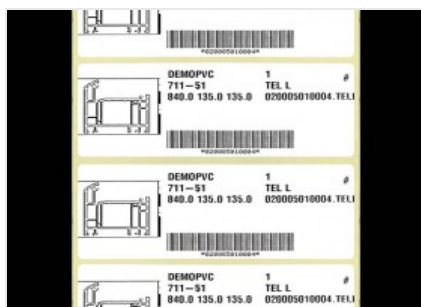
Vertical vices (Optional)

Safe and precise clamping of the profile to be cut is facilitated by the use of pneumatic vices, equipped with a low-pressure device to prevent accidental crushing. To facilitate the width and height adjustment of individual cylinders, each vice assembly is equipped with practical and quick lever handles.



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.

**COMBI 5 ASSI STAR / DOUBLE-HEAD CUTTING-OFF MACHINES****COMMAND FEATURES**

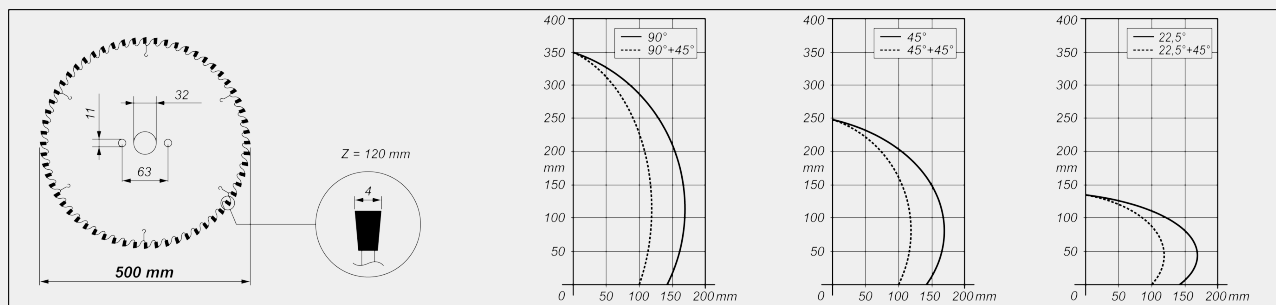
"Windows XPE" compatible industrial computer	●
12" TFT graphic colour display	●
1 GB DOMM memory	●
Mouse integrated in the keyboard	●
Preparation for label printer connection	○
Label printer with a speed of 150 mm/sec	○
Label printer with peeling device with a speed of 150 mm/sec	○
Presetting for connection with remote PC via USB, network or serial (depending on version)	●
Execution of cyclic cuts from cutting lists and macros	●
Perform single cuts	●
Storage of 500 profile corrective values with measurement automatic calculation for angled cuts	●
Storage of 500 cutting lists (1,000 rows each) from keyboard	●
Bar optimisation	●

MACHINE CHARACTERISTICS

Electronic control of intermediate angles	●
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	●
Vertical clamping system with horizontal vice	●
Profile support roller conveyor	●
Minimal oil diffusion lubrication system	●
Manual profile support	●
Pre-setting for automatic exhauster start	●
Metric ruler	●
Cutting capacity (mm)	4.000 / 6.000
Blade motor power (kW)	2,2



CUTTING DIAGRAM



Included ● Available ○