Classic Libra

Double-head cutting-off machines

Electronic twin-head cutting-off machine with automatic movement of the head unit using DC motor and pneumatic tilting of the heads outdoors up to 45 ° or 22 ° 30 'depending on the model. Blade 450 and 500 mm. The machine is equipped with electronic meters thickness profile. Available with useful cut of 4,5,6 m in length.

Mobile heads tilting

Rotation of the heads around the horizontal axis is performed via pneumatic cylinders. The angles that can be obtained are from 90° to 45° outside for machines equipped with 450 mm diameter blades. With 500 mm diameter blades, angles from 90° to 22°30' outside can be achieved. Intermediate angles are obtained by means of a special stop that can be manually adjusted. 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.
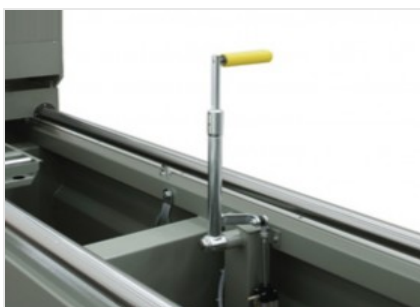

Electronic profile thickness gauge

This refined profile thickness control system enables automatic correction of the cutting dimension according to the actual size of the profile, with relative tolerance resulting from surface treatments such as painting, anodising, etc.

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 5- and 6-meter useful cuts.
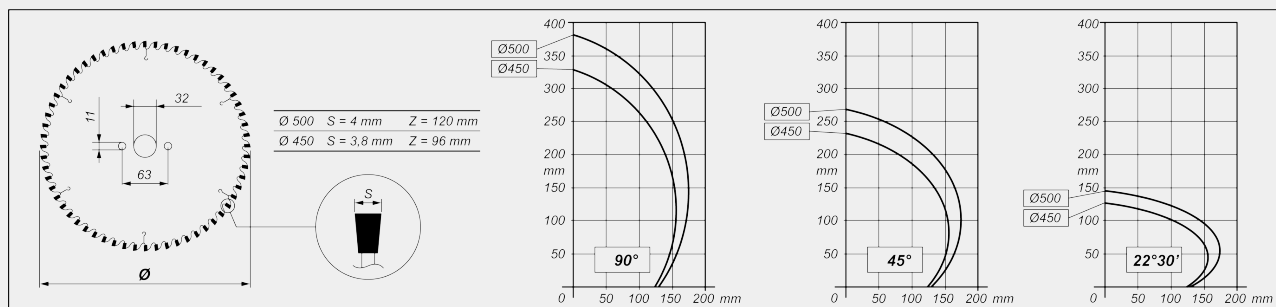

Label printer (Optional)

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.

CLASSIC LIBRA / DOUBLE-HEAD CUTTING-OFF MACHINES

COMMAND FEATURES

6" graphic LCD display	●
Preparation for label printer connection	○
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	●
Electronic profile thickness gauge	●
Pair of standard counterblocks	●
Metric ruler	●
Cutting capacity (mm)	4.000 / 5.000 / 6.000
Blade motor power (kW)	2,2

CUTTING DIAGRAM

Included ●   Available ○