DG102-P

DOUBLE MITRE SAWS

Double mitre saw with automatic length adjustment of the moving head by brushless motor. Pneumatic tilting of the sawing unit from 90° to 45° or 22°30' by two fixed positions. Optionally with mechanical adjustment of the intermediate angle. Hydropneumatic saw blade feed.

Profile clamping

Reliable, precise profile clamping using two horizontal clamping cylinders. If vertical clamping is required, this is carried out with a special horizontal clamping system. A manually positionable additional clamp holds the remaining piece during cutting.

Protective hoods for sawing units

Two automatic protective hoods on the sawing unit protect the processing area. They are made of scratch-resistant polycarbonate and are opened and closed automatically according to the cutting cycles.

Loading and unloading

The double mitre saw has a roller conveyor on the movable saw unit for standard loading and unloading. As an option, an additional clamping device for clamping the remaining bar can be installed on the roller conveyor. An optional device for measuring the profile height enables the automatic correction of the cutting dimension according to the actual dimensions of the profile.

Control system

The pedestal mounted control panel is connected to the machine bed and can be positioned individually. The saw has the proven elumatec HMI with 7-inch touchscreen display. Single cuts and automatic mode with cutting lists are possible.
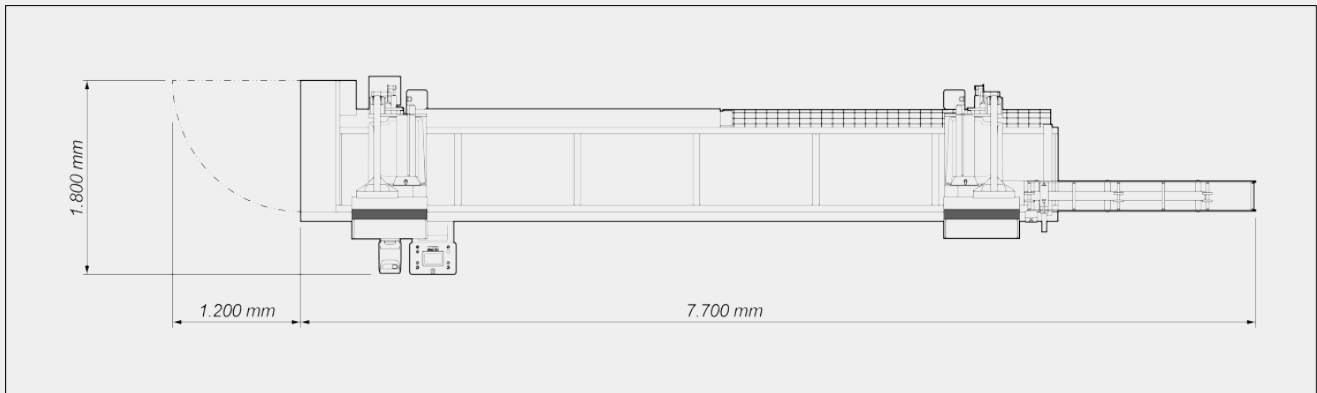
Intermediate tilting adjustment

The standard version allows performing cuts at 45° and 22°30' by mechanically presetting the end stops. An optional system is provided for tilting manual adjustment of cutting units to any intermediate angles by means of a manual handwheel, which is particularly useful when performing out-of-square cuts.
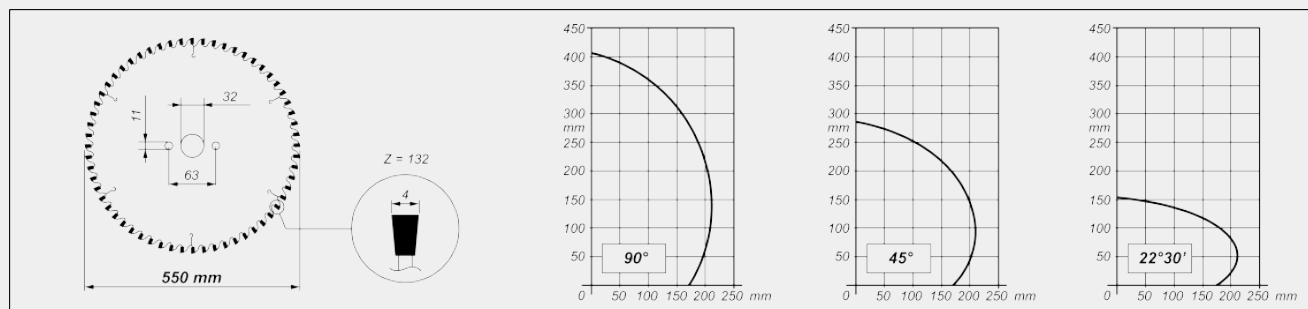
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LAYOUT

The overall dimensions and the weight may vary depending on the product configuration
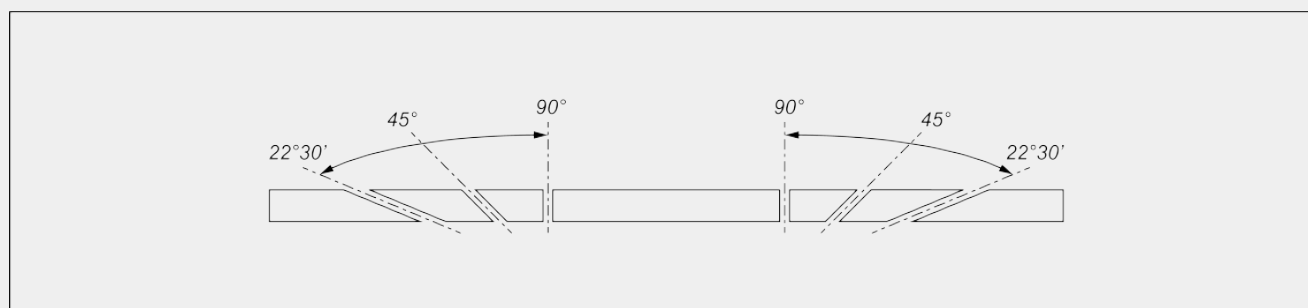
MACHINE CHARACTERISTICS

X axis positioning speed (m/min)	25
Electronic positioning of the X axis	●
Mobile head position with absolute magnetic strip direct measuring system	●
Pneumatic head tilting	●
Hydropneumatic saw blade feed	●
Cutting length (mm)	5.000
Carbide sawblade	2
Saw blade diameter (mm)	550
Saw blade motor power (kW)	2,2
Electronic profile hight messure system	○

CUTTING DIAGRAM

CUTTING UNIT TILTING

Mechanical adjustment of intermediate angles

SAFETY DEVICES AND PROTECTION

Pneumatically controlled safety hood	●

PROFILE POSITIONING AND CLAMPING

Pair of horizontal pneumatic clamps with "low pressure" device	●
Special clamps for vertical clamping	○
Pair of additional horizontal clamps	○
Manually positioned profile support	1
Roller conveyor on mobile head (mm)	2.000
Additional clamp for mobile roller conveyor	○

LUBRICATION AND SUCTION

Microspray-system	●
Preparation for external exhauster	●
Chip trays	6
Scraper conveyor for chip removal	○

CONTROL UNIT

PLC with integrated 7" WVGA colour TFT graphic display	●
Graphic operator interface	●
Touch screen functions	●
Frontally sliding control panel on guides	●
Mass storage: 2 GB onboard	●
Preparation for label printer connection	○
Label printer with peeling device with a speed of 150 mm/sec	○
USB ports	1
RJ45 network card	1

FUNCTIONS

Single cuts	●
Intermediate angles cuts	○
Cutting lists	●
Special cut functions	●

Included ●   Available ○