

## DG 142

### DOUBLE MITRE SAW



#### DOUBLE MITRE SAW DG 142



#### Description

- External-dimension cuts possible for all cutting variants
- Ideal machine for high-volume series production when cutting at 90° and 45°
- Equipped with saw blades as standard
- Equipped with digital display E 111 as standard
- Vertical pneumatic material clamping unit
- Safety hoods

#### Technical specifications

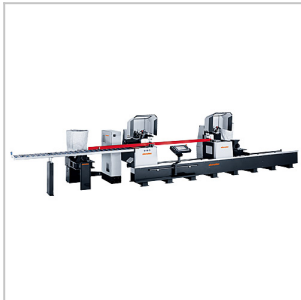
- Minimum cutting length at 90° 370 mm
- Minimum cutting length tilted at 45° 370 mm
- Tilting range inwards 90° - 45°
- For cutting range, see cutting diagram
- Saw blade diameter 500 mm
- Saw blade speed 2,800 rpm
- Power supply 230/400 V, 3~, 50 Hz
- Power output per motor 4 kW
- Compressed air supply 7 bar
- Air consumption per working cycle 40 l without spraying, 64 l with spraying
- Intermediate angles of 90° - 45° optional

#### Cutting length variants

- 3,000 mm
- 4,500 mm
- 6,000 mm

## Options

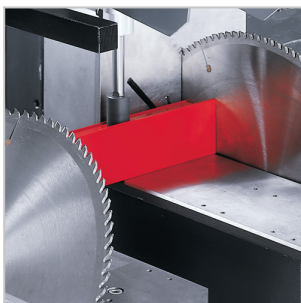
- DG 142 M machine bed made of steel sheet (only at cutting length of 4,500 mm)
- Intermediate angle setting by hand wheel and digital display E 111
- Additional software for E 580: Optimisation program, Software module for chop and oversize length cuts
- Label printer for variants with E 355 and E 580
- Mobile or automatically retractable workpiece supports
- Material clamping units
- Transom stop and lead-cut stop
- Extraction system
- Roller conveyer
- Saw blades
- High performance cutting fluid
- Pulsed coolant system



**Double mitre saw DG 142**  
DG 142 + E 580 + special accessories



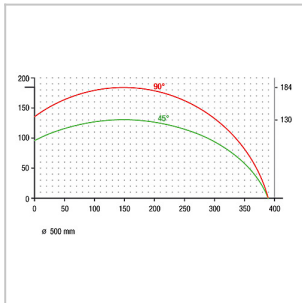
**Double mitre saw DG 142 M**  
DG 142 M + E 355



**Double mitre saw DG 142**



**Double mitre saw DG 142**



**Double mitre saw DG 142**  
Cutting diagram DG 142

## E 355

### POSITIONING CONTROL



## POSITIONING CONTROL E 355



### Description

- Measuring system is independent of drive
- Positioning accuracy +/- 0.1 mm per metre
- Pneumatic locking at position
- 5.7" matrix display with membrane keyboard and hand wheel for navigation through the operation menus
- Memory for 1,000 data records. Correction values for profiles
- The block number, length dimension, profile number, angular position and quantity can be saved in the memory
- Language selection
- Switching between mm/inches
- RS 232 interface
- USB port on the front

### Option

- Printer



Positioning control E 355

## E 111

### MANUAL CUTTING LENGTH ADJUSTMENT WITH DIGITAL DISPLAY



### MANUAL CUTTING LENGTH ADJUSTMENT WITH DIGITAL DISPLAY E 111



#### Description

- Accurate dimension adjustment using digital display
- Switching from absolute dimensions to chain dimensions
- Actual values of the display are stored when mains is switched off
- Quick read-out from the digital display. Resolution 0.1 mm
- Switching between mm/inches
- Input of any desired reference value by means of front keypad



## Manual cutting length adjustment with digital display E 111

## E 580

### PC CONTROLLER



#### PC CONTROL E 580



#### Description

- Machine configurations with one, three or five axes
- Length measurement using an absolute measuring system independent of drive
- Pneumatic locking at position
- Robust, low-wear direct drive for moving saw unit
- Ergonomic location of the control unit
- PC with Windows OS for operating the machine
- Four USB ports
- 12" touchscreen
- One serial RS 232 interface
- Two network ports, RJ45, 10/100 Mbit
- Ports for connecting additional keyboard and mouse

#### Optional

- Label printer



PC Control E 580