SAFAN DARLEY®

The E-volution in sheet metal working

R-Brake 130T-3100

Higher production at lower costs

Unfold the future

The SafanDarley R-Brake is a revolutionary bending cell concept based on the SafanDarley E-Brake press brake. In the SafanDarley R-Brake, the press brake and robot are integrated into one system. The robot moves horizontally along a gantry on the top-side of the press brake. The R-brake has many advantages and can be equipped with an automated tool and gripper-change system. This also makes the R-Brake suitable for smaller batch sizes.

Advantages

- Save up to 50% on energy costs
- Up to 30% higher productivity
- Lower maintenance costs
- Back gauge covers the whole working length
- Completely clear floor area in front of the machine
- Sub-processes can be implemented before and after bending
- The electrical drive systems means that the R-Brake operates very quietly
- Quick and easy switching to manual bending

Options

- Vision system
- Gantry extendable up to 12 metres
- Double-sheet detection using weight sensor
- Pre-positioner for sheet infeed
- Programmable offline with RoboBend simulation software
- Automatic tool changer
- Automatic gripper changer

Higher production at lower costs

Standard equipment

- SafanDarley EC10 Touch Screen CNC press brake controls
- CNC-controlled Y-axis (Y1 and Y2), top beam diagonally configurable
- CNC-controlled back gauge (X-axis)
- CNC-controlled R-axis
- CNC-controlled Z1/Z2-axis
- Back gauge beam provided with 2 foldable back gauge fingers
- Upper beam provided with NSCL II MC adapter for New Standard upper tools
- Lower beam equipped with the NSCR I UPB CNC Crowning table
- NSCL II MC adapter
- Hold-to-Run operating console
- M710iC/50 Fanuc robot with the R-30iA controller
- Robot gantry with a range of 6.000mm
- CNC-controlled sheet turning station
- Centring table for product size of 1250 x 950 mm
- Double-sheet detection up to a maximum sheet thickness of 3mm
- Machine lighting
- Protective guards surrounding bending cell, in accordance with CE
- Integrated robot with capacity of 50kg, optionally 70kg

Tool changer

Turning over sheets

Offline programming

Technical specifications

Model	Tonnage	Bending length	Pressing force in kN	Maximum stroke in mm	Q-dimension in mm	Closing speed in mm/sec.	Bending speed max.* in mm/sec.	Return speed in mm/sec.	Weight in kg
130-3100	130	3100	1300	300	790	110	20	110	18.500

* CE version: Max. bending speed 10 mm/sec

Integral and flexible

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