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

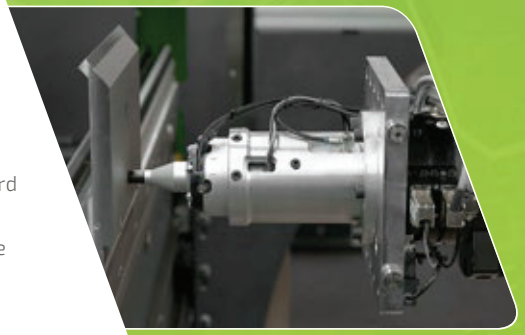
Options

- 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 (X1, Z1-Z2, R1)
- 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 236.22 Inch
- CNC-controlled sheet turning station
- Centring table for product size of 49.212 inch x 37.401 inch
- Double-sheet detection up to a maximum sheet thickness of 0.118 inch
- Machine lighting
- Protective guards surrounding bending cell, in accordance with CE
- Integrated robot with capacity of 110.231 lbs, optionally 154.323 lbs



Tool changer

Turning over sheets

Offline programming

Technical specifications

Model	Bending length	Pressing force in US Ton	Maximum stroke in inches	Q-dimension in inches	Closing speed in inch/min.	Bending speed max.* in inch/min.	Return speed in inch/min.	Weight in lbs.
130-3100	12.047	143	11.811	29.527	259.843	47.244	259.843	41,000

* CE version: Max. bending speed 23.622 inch/min.

Integral and flexible

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