SAFAN DARLEY®

The E-volution in sheet metal working

E-Brake Mini Cell

Rapidly switch between products

Unfold the future

The E-Brake Mini Cell is a compact, automatic, flexible bending cell and is equipped with the latest type Fanuc Robot. The Mini Cell is ideal for the fully-automated production of small and complex products and can be configured exactly to a client's requirements.
It is also possible to bend different products sequentially.

Advantages

- Quiet machine
- Small footprint
- Industry 4.0-ready
- Save up to 50% on energy costs
- Up to 30% higher productivity due to the electric drive and integration of controls and drive motors
- Lower maintenance costs as compared with hydraulic press brakes, as no hydraulic oil, seals, filters, or valves are required
- The back gauge is able to be used over the full working length

Options

- Sheet thickness measuring system
- Programmable offline with RoboBend simulation software
- Automatic tool changer
- Automatic gripper changer

Compact and complete

Rapidly switch between products

Standard equipment

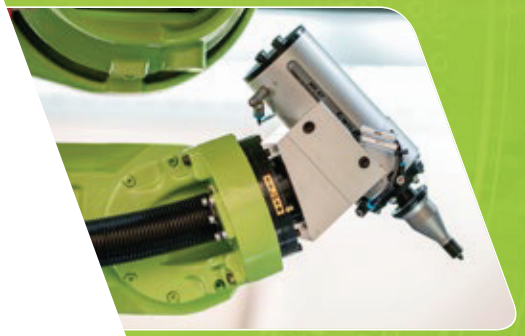
- SafanDarley EC10 Touch Screen CNC split-screen controls on swivel arm
- CNC-controlled Y-axis (Y1 and Y2)
- CNC-controlled back gauge (X1, Z1-Z2, R1)
- Backgauge beam with 2 foldable, hardened fingers
- Upper beam provided with NSCL II MC Premium adapter for New Standard upper tools
- Lower beam provided with OB II MC table with ty adjustment
- Hold-To-Run operating console for fine-tuning the bending cell
- M-20iB25 FANUC robot
- 1 Manually changeable vacuum gripper
- 1 Referencing table with sheet separation
- Double-sheet detection to a maximum of 0.118 inch sheet thickness
- Small Parts Chute for collection Bin. Chute height 31.496 inch
- 1 Pallet position the size of half a Europallet
- Protective guards surrounding bending cell, in accordance with CE
- Safety door on the front side of the cell
- 2 Safety sliding doors: one on the right to manually load the referencing table and one on the left to unload the pallet

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.
35-1250	49.212	38.5	11.811	27.165	425.197	47.244	425.197	16,535

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

Double-sheet detection and sheet thickness measurement



Tool changer

Product Referencing table

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