



## E-Brake iTC

E-Brake iTC 160T 3100 and E-Brake iTC 200T 4100

Unfold the future



SafanDarley, the inventor of the electronic press brake, has set a worldwide evolution in sheet metal processing in motion. Each day, we develop innovations that will lift your efficiency to an even higher level and that will surely get you started on Industry 4.0. With SafanDarley, you will always get on board at the top level and you will gain from the highest standard in integrated sheet metal processing.

#### SafanDarley's E-standards

SafanDarley offers innovative solutions for all sheet metal processing, with groundbreaking electronic or hydraulic techniques. Thus, we are unfolding a challenging future in which you can manufacture more Efficiently, Economically, Ergonomically and Ecologically. Complex products, larger and smaller series: process optimisation is a fact, lean manufacturing with zero defects is a given and just-in-time manufacturing is guaranteed.

## Smart manufacturing in the Smart Industry

With new technology, SafanDarley paves the way to smarter, more efficient, and more flexible manufacturing at higher quality in the Smart Industry. This is a contemporary method of working that gives industrial companies more clout by maximizing the use of the latest technological developments.

#### Overall better performances

Smart manufacturing is an integrated method of manufacturing, aided by far-reaching digitization and linking of devices, production resources, and organizations. Specifically, we can ensure your Overall Equipment Effectiveness (OEE) to show an increase of no less than 30%. We can do this by incorporating our machines into your production as best as possible.



#### Efficiency

The comprehensive solution for faster production



#### Ergonomics

Full control of the process operations with one finger



#### Ecology

Maximum CO2 and oil reduction



#### Economy

Maximum return on your investment

## The E-Brake iTC with tool changer

## More options on the same surface

The E-Brake iTC is the continuation of the successful electric servo E-Brake 160T 3100 and 200T 4100. What makes this innovation so unique is the fact the machine has been expanded with an automatic tool changer. This tool changer automatically places tools in the machine, adding efficiency without the press brake having to take up additional square meters in your production environment.

### Smart magazine mounted on the rear of the machine

The iTC is always ready to completely clear the tools in your machine, after which you can also manually set up your machine with tools. Through the TIPS system, the robot will also be able to identify tools. This makes it possible to move any placed tools manually. The robot will be able to read the tool location and move it back without difficulty into the magazine. This is what makes the iTC one of a kind and it will remarkably increase your efficiency!

## The iTC Highlights



Servo electric  
press brake



Automatic  
tool changer



Touch screen  
controller with  
E-Control



### 3D heavy backgauge

The SafanDarley E-Brake 160-3100 and the E-Brake 200-4100 are both equipped with a heavy 3D CNC backgauge control (X1-X2, Z1-Z2, R1-R2) as standard to ensure an optimal bending freedom. Because specific stop pins have been used, the backgauge range is no less than 700 mm.

### E-Control. Touch control convenience

The E-Brake iTC is equipped with an E-Control touch screen. controller. Only the buttons needed at the moment of operation will be visible on the 17" screen. The controller is equipped with a 100 MB Ethernet UTP network connection as standard. This controller can be optionally equipped with a second screen to create a paperless work environment.

### Simplicity in programming and operation

The complete system can be programmed quickly and accurately. The iTC gathers its data from the press brake program generated and therefore will not have to be programmed separately. You can also give additional commands, for example to clear the machine. Features such as Batch and Queue will allow you to set up and process press brake programs efficiently.

### Your advantage

- Complete servo electric machine
- Standard magazine for 5 working lengths of tooling, optional expandable
- Easy programming of the complete system
- Completion of a series of press brake programs by using Batch and Queue
- Tool identification by applying the TIPS system
- Very compact machine, footprint almost equal to standard E-Brake
- Machine can be equipped with E-Bend L Blue angle measuring system
- Offline controllable with Autopol or Radan software
- Optional rotating station to rotate tools 180 degrees



Tool magazine



Robot arm



3D backgauge



Tonnages  
up to 200T



Working length  
up to a maximum  
of 4 metres



Up to 30% shorter  
cycle times



Integrated  
safety

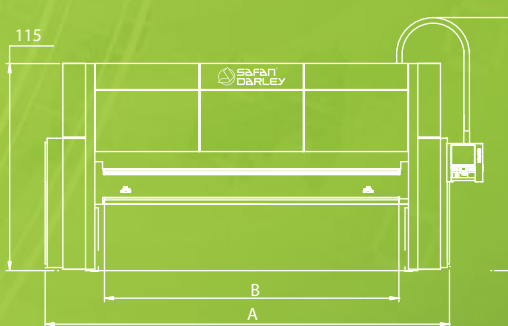
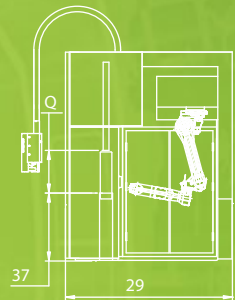


Sustainable and  
energy efficient



## E-Brake iTC

# Technical details



### E-Brake iTC Model

	Pressure force in US Ton	Working length in inches	Maximum stroke in inch	Q dimension in inch	Closing speed in inch/min.	Bending speed* max. in inch/min.	Return speed in inch/min.	Motor Power in kW	Weight in lb.	Max. tool weight for iTC in lb.	Max. tool length for iTC in inch	A in inch	B in inch
160-3100	169	120	12	27	236	48	236	22	39.242	28	10	182	120
200-4100	225	161	12	27	177	48	177	22	50.265	28	10	221	161

\* CE version: Max. bending speed 24 inch/min.

### Standard equipment

- SafanDarley EC20 Touch Screen CNC press brake controller
- Adjustable top beam angle +/- 0.1 inch
- 3D CNC backgauge control (X1-X2, Z1-Z2, R1-R2)
- Backgauge beam equipped with 2 adjustable backgauge fingers
- NSCL II HC Premium hydraulic clamping top tool adapter
- NSCR II HC Premium crowning with hydraulic tool clamping system
- Standard open height of 27 inch (Q-size)
- 2 Support arms (12 inch)
- 1 Hold-to-Run control console
- Programmable and integrated safety light curtain
- TIPS tool recognition in the toptool adapter and crowning table
- Safety, compliant with CE standards

### Optional

- E-Bend L Blue angle measuring system
- Various support arms
- Bending aids; E-Mate plus or E-Mate 2000
- Bottom and upper clamps equipped with Smart tool locator
- Expansion tool magazine
- Rotating tool station



Watch our  
corporate  
movie here:



E-Brake Ergonomic



E-Brake Econic 35T-100T



E-Brake 160T-200T



E-Brake Ultra 50T-130T



E-Brake 300T Dual Drive



E-Brake Mini Cell



E-Brake ITC



H-Brake Hybrid 110T-1600



H-Brake Hybrid 110T-170T



H-Brake 175T-400T



H-Brake HD 500T-1250T



R-Brake



B-Shear & M-Shear



Special cutting lines

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