Tool Mate

The automatic tool changer

Unfold the future

the future unfolded

Efficiency
Comprehensive solution for faster production

Ergonomics
Full control of process operations with one finger

Ecology
Minimum CO2 and oil levels

Economics
Maximum return on your investment

SafanDarley is constantly working on innovations to raise your efficiency to the next level. Our new Tool Mate – an automatic tool changer for the E-Brake C 200T and the H-Brake up to 320T – can help you work more efficiently and increase your productivity.

Benefits for you

- Very fast tool configuration: tool length up to 515 mm
- Very short changeover times
- Large operating range: V-Dies 5 mm to 70 mm
- Large Tool storage capacity of 32, 52 or 60 meters
- User-friendly and easy programming of the complete system

- Automatic tool cleaning on return to the Tool storage
- A laser check of tool position minimizes the risk of errors
- Intelligent tool configuration; leaves tools in machine that are needed for the next set-up
- Rotation station to rotate tools 180 degrees

Fast and efficient production

Once the machine has been programmed, the innovative tool changer automatically places the tools in the machine. This leads to improved efficiency and higher productivity. While the Tool Mate changes the tools, the operator can perform other work. This saves considerable time, especially with smaller batches. The continuous safety checks in the safety zone allow the changer to change the tools at very high speed. For long tool set-ups, tools with lengths of up to 515 mm can be used.

The tools are automatically changed with every new job. The intelligent software makes only the necessary changes and tools from the previous tool set-up are reused. This results in considerably shorter changeover times.

Fast tool configuration

Use of V-Dies 5 mm to 70 mm

Large storage capacity 32-52-60 meters

Very user-friendly

Automatic tool cleaning

Always the correct tool set-up

Intelligent tool configuration

Tool rotation station to rotate upper tools 180 degrees

100% electric press brake

Tool Mate highlights

1. Storage
2. Tool rack
3. Safety Laser Guard
4. Laser area scanner
5. Lower tool passage
6. Shuttle with gripper
7. 180 degree turning station
8. Press brake

User-friendly & accurate

SafanDarley E-control determines the positioning of the tool and controls the Tool Mate. The Tool Mate then places the tools in the correct position with the utmost precision. This means that the operator no longer has to handle heavy tools. The Tool Mate works intuitively and is easy to use, which eliminates the need for extensive training. The correct tool setting can also be loaded and used directly on the machine from AutoPOL offline software (or any other offline bending simulation software).

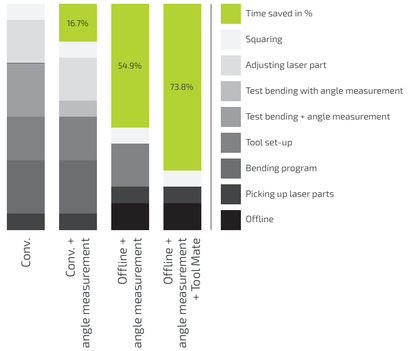
Large storage capacity

The tool storage magazine is placed next to the press brake and has a capacity of 32, 52 or 60 meters. This provides you with extensive storage capacity for various dies and punches. The rotation station can rotate punches 180 degrees, enabling you to use one tool both ways and eliminating the need for a double tool set.

How much time can you save?

The Tool Mate enables you to extend the speed and efficiency limits of your production.

* *The table shows a calculation of various products for a variety of customers.*



Detail of storage capacity

Shuttle places tool in position

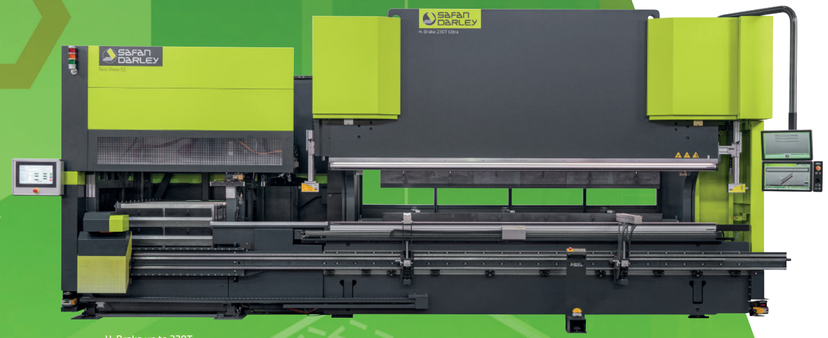
Laser scanner for optimum safety

E-Brake C 200T
with Tool Mate

Choose maximum sustainability combined with the possibility of fast and efficient production. This servo-electric E-Brake C with 200T pressing force has a working length of 4335 mm and is equipped with a 250 mm C-frame that makes it possible to change tools sideways.

The SafanDarley Tool Mate is one of the largest CNC-controlled tool storage systems for press brakes on the market with the greatest flexibility of use. It is the perfect solution when working with high-mix, low-volume orders with complex tool set-ups in today's modern production environment.

E-Brake C 200T



H-Brake up to 320T

The **Tool Mate** can fully load a **4m** machine in **under 4 minutes**.

Up to and including **V 70 mm** (40 kg).

H-Brake up to 320T
with Tool Mate

Choose maximum flexibility by combining the Tool Mate with our sustainable hybrid or high-end hydraulic press brake. The Tool Mate can be placed either on the left or the right of the press brake. It is also possible to opt for a Twin set-up in which the Tool Mate is used for two press brakes.

The Tool Mate - Single or Twin – is the perfect combination of process automation and increased production capacity. Compared to manual configuration, the Tool Mate can significantly reduce the set-up time.

Features:

- Can be placed to the left or right of the press brake
- Choose from the Hybrid or H-Brake press brake range
- Single or Twin set-up
- Possible to use in combination with a hydraulic hemming die
- Press brake with length over 4 meters on request

Functions and options per machine

Function/option	E-Brake C 200T	H-Brake
Flexible choice of press brake 110T - 320T	*	√
Tool Mate can be placed left or right	**	√
Additional finger stop (Z0 and Z3) possible	√	√
Can be expanded later for second machine		√
Choice of three Tool Mate systems: 32, 52, 60 meters	√	√
Tool rotation (rotation station)	√	√
Controlled by all external software	√	√
Locked storage in Tool Mate	√	√
Tool cleaning before returning to Tool Mate	√	√
All standard CNC back gauges possible	***	√
E-Bend L angle measuring system	√	√
Benefits		
Clearance between back gauge	√	√
No dirty tools	√	√
Can place tools up to 515 mm in length	√	√
Intelligent tool change (uses tools from existing set-up for new set-up)	√	√
Operator can add new tools	√	√
Place tools manually	√	√
100% electric	√	
Tool Mate specifications		
Max. V-Die 70 mm	√	√
Max. die working height 150 mm	√	√
Max. punch working height 200 mm	√	√
Min. length 20 mm	√	√
Max. length 515 mm	√	√
Takes 4 seconds to place tools longer than 125 mm above and 250 mm below	√	√
Takes 8.5 seconds to place upper tools < 125 mm	√	√
Takes 8 seconds to place lower tools < 250 mm	√	√
Takes placement time + 1 second to remove tool	√	√

* E-Brake C 200T available in one version

** Tool Mate for E-Brake C 200T can only be placed on the left

*** E-Brake C 200T only available with SafanDarley H back gauge (incl. Delta X)

Watch our corporate movie here:

E-Brake 35T-40T Premium Ergonomic

E-Brake 35T-130T Premium

E-Brake 50T-130T Ultra

E-Brake 160T-200T Ultra

E-Brake 300T Ultra Dual Drive

E-Brake 35T Mini Cell

E-Brake C 200T Tool Mate & H-Brake Tool Mate

H-Brake Hybrid 110T-1600

H-Brake Hybrid 110T-170T Premium

H-Brake Hybrid 110T-170T Ultra

H-Brake Hybrid+ 230T Ultra

H-Brake 175T-400T Ultra

H-Brake HD 500T-1250T Ultra

R-Brake 130T

B-Shear & M-Shear

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TOOLMATE-USA-102022