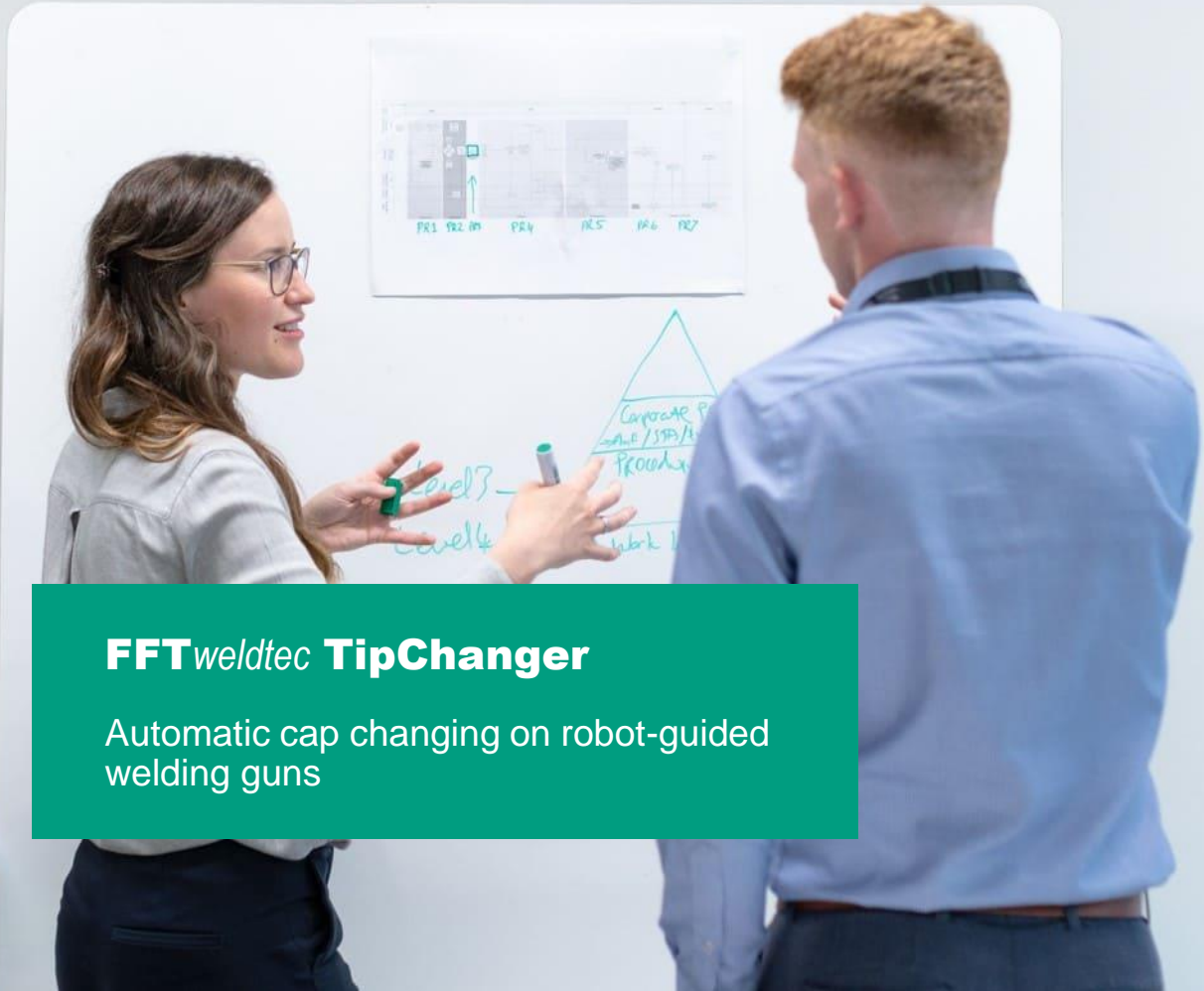


FFT weldtec **TipChanger**

*„The **FFT**weldtec **TipChanger** enables a time-optimal and automatic change of electrode caps on robot-guided welding guns.“*

one step ahead in **INTELLIGENT** production systems



FFT*weldtec* TipChanger

Automatic cap changing on robot-guided welding guns

1

Description

How the **FFT*weldtec* TipChanger** works

2

Excenter caps

The FFT magazine solution for eccentric electrode caps

3

Technical information

Connection data of the **FFT*weldtec* TipChanger**

4

Benefits

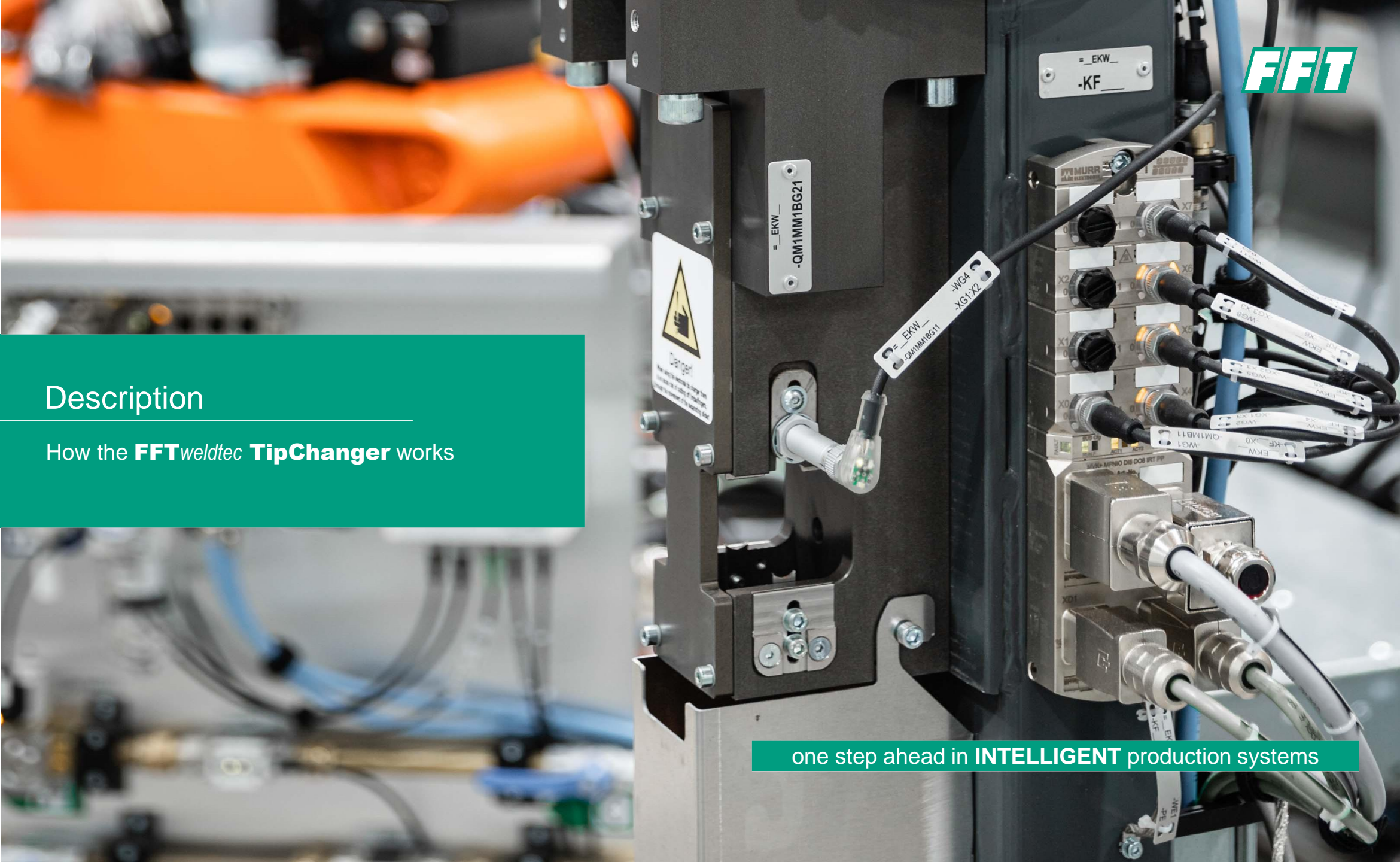
Advantages and benefits for our customers

1

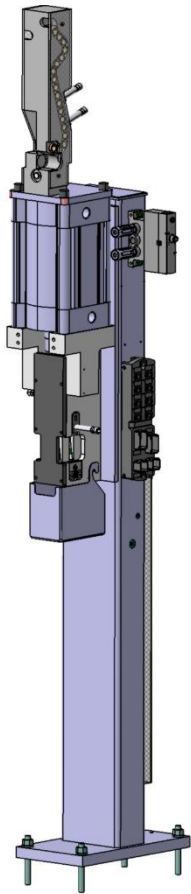
Description

How the **FFT** *weldtec* **TipChanger** works

one step ahead in **INTELLIGENT** production systems



How the **FFT***weldtec* **TipChanger** works



Optimum time, smooth and automatic electrode cap changing on robot-guided welding guns

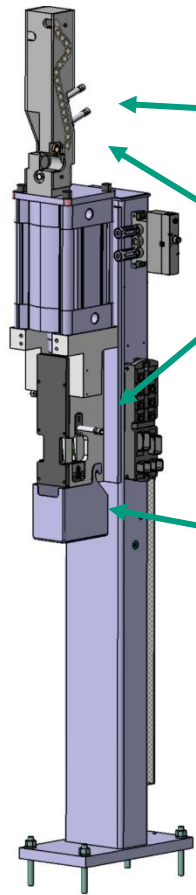


Combination of minimum space requirement and optimum accessibility for the robot.



Caps can be changed while production is in progress.

How the **FFT***weldtec* **TipChanger** works



The cap magazine is mounted in the same orientation as the change tool.

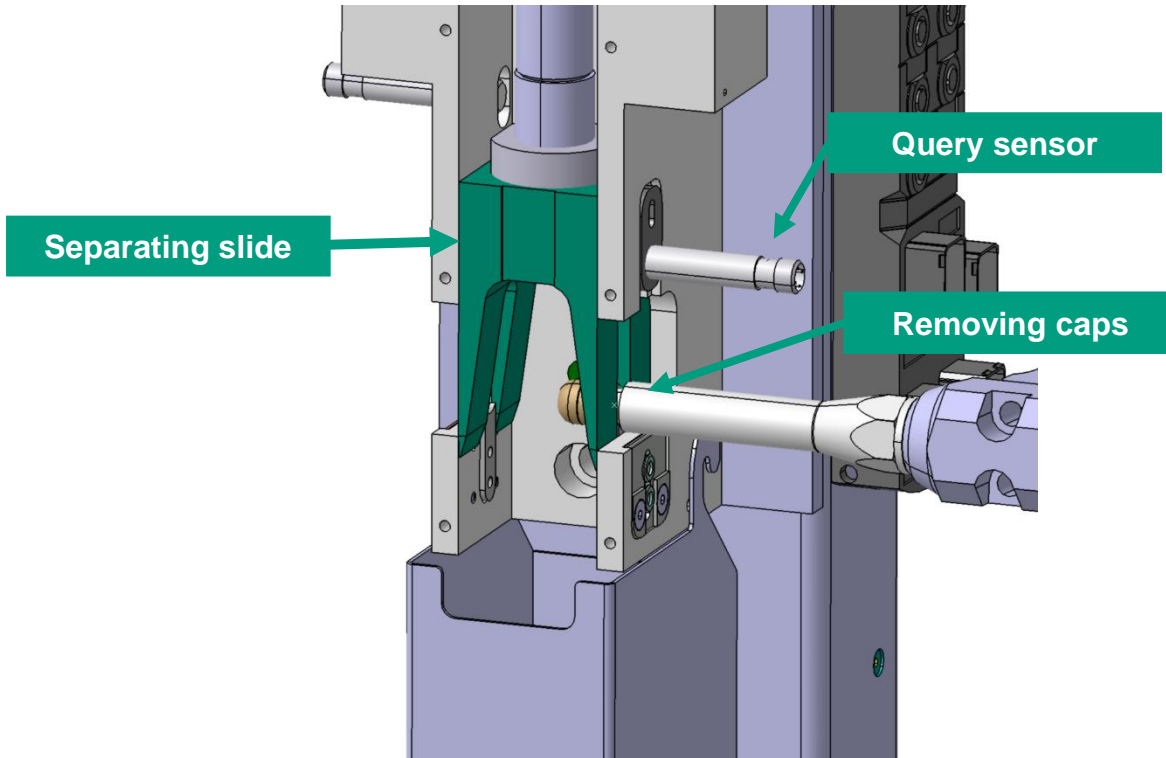
The fill level in the cap magazine and "cap present" / "removed" are queried via inductive sensors.

The released electrode caps automatically fall into a collecting basket.

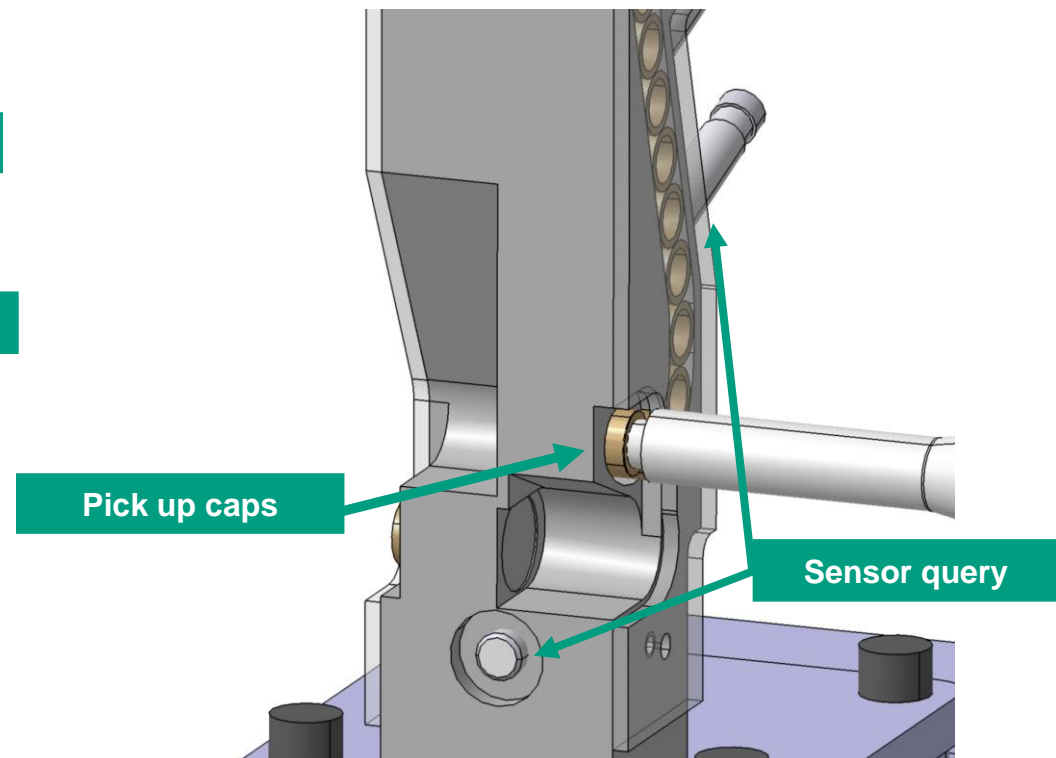
The operation

Function and magazine unit

Function unit



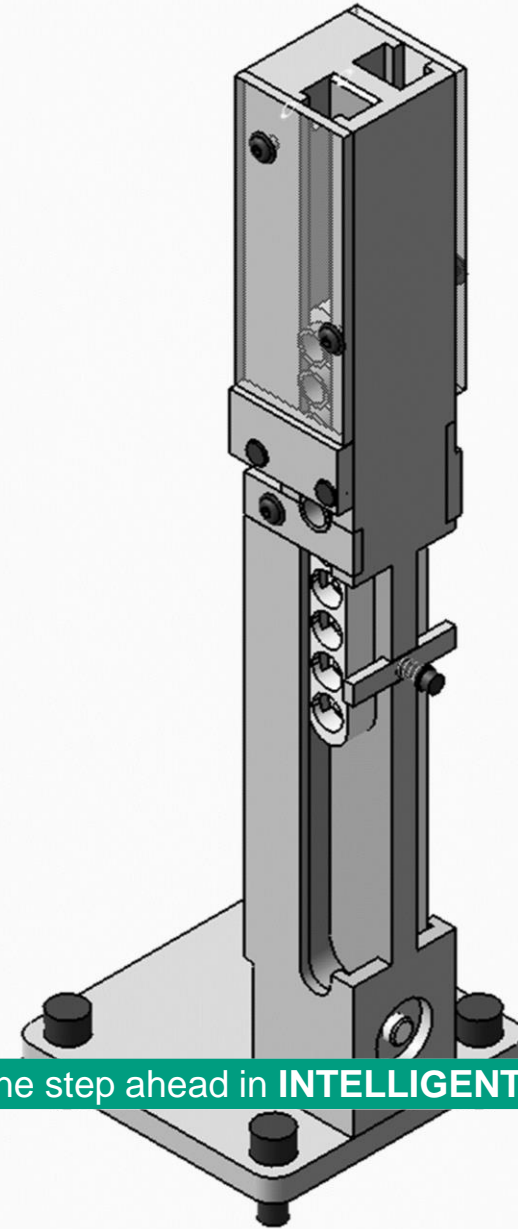
Magazine unit



2

Excenter caps

The FFT magazine solution for excentric electrode caps



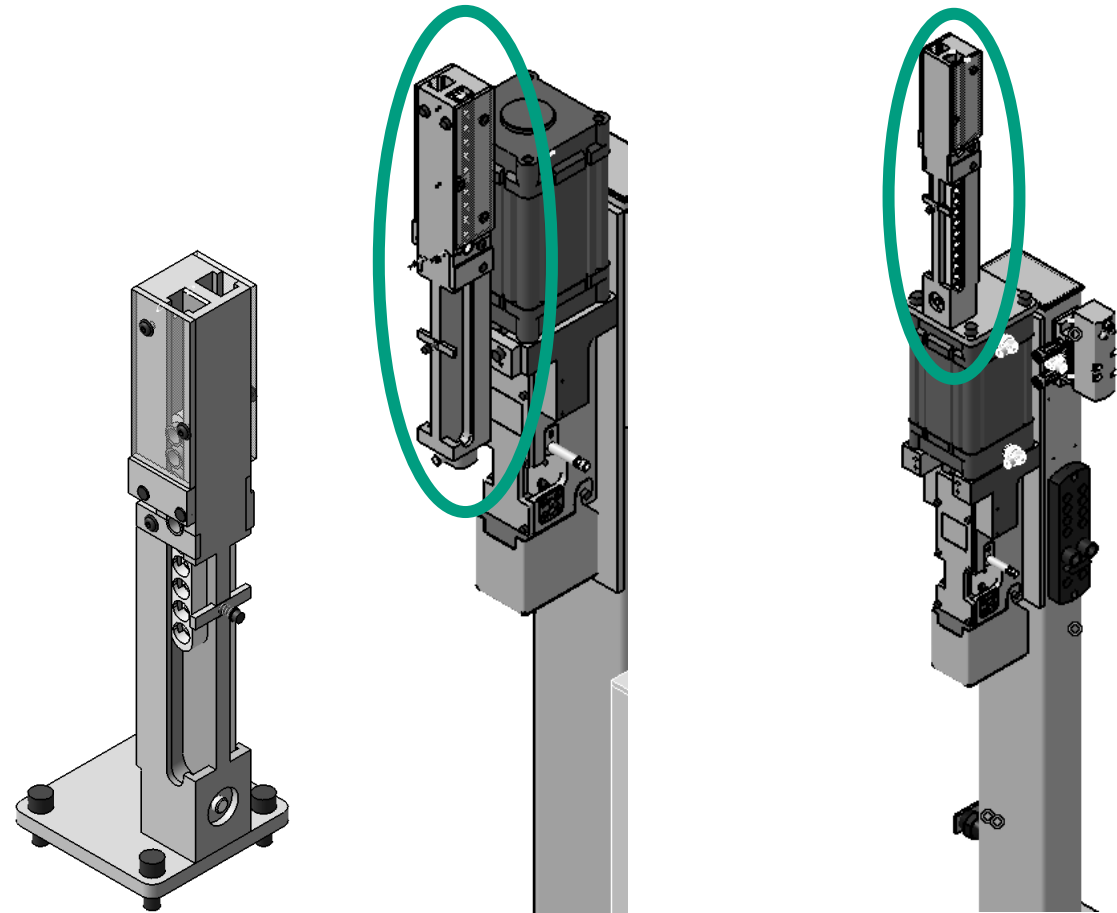
one step ahead in **INTELLIGENT** production systems

FFT Cap magazine

The FFT magazine solution for excentric electrode caps

- Special magazine
- Installation in front of functional unit
- Mounting on cylinder

- Cup changing tool
- Caps capacity 10 pcs per side



3

Technical information


Connection data of the **FFT** *weldtec* **TipChanger**

one step ahead in **INTELLIGENT** production systems

Technical data

Height	1580 mm
Width	300 mm
Depth	400 mm
Height caps pick up LH/RH	1300 mm/1329 mm
Height caps remove	750 mm
Weight	50 kg
Compressed air	min. 5,5 bar, max. 6,0 bar
Rated voltage	24 V
Capacity of magazine	18 cups per side
Cycle time of change per gun	Approx.. 20 sec
Distance cap to shaft	min 3mm, max 6mm
Min. electrode distance	40 mm
Electrode cap	Standard F16-F20, weitere auf Anfrage
Through holes in the post, the functional unit including magazine unit is high adjustable.	3x in the grid of 110 mm





We support our customers in efficiently implementing their production systems according to their specifications.

“

DO YOU NEED AN
INDIVIDUAL SOLUTION
FOR YOUR TASK?

4

FFT *weldtec* TipChanger Benefits

Cost savings, minimal space requirements and short time for changes

one step ahead in INTELLIGENT production systems

Benefits



Cost savings and increased efficiency

- Reduced wear of the electric shafts
- Increase in availability and productivity through optimized changeover time



Optimized cap changing process

- Different shafts / caps possible
- Minimum space requirement
- Easy to program change process
- Easy to fill magazine with cups

SERVICE OPTIONS

We support your project from the idea to the realization and gladly beyond.



We take into account quality and deadline requirements and we assume the responsibility for the project until turnkey handover.



Consulting

Use our experience for your tasks



Project Management

Support from the idea to the start of production



Risk Analysis

Identification of risks in the process



Custom design

Creation of individual solutions



Manufacturing

Successful manufacturing with modern technologies



Documentation

Clear and logical



Conformity

Compliance with standards and regulations



After Sales

Competent service through FFT



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THANK YOU

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