

E-SFM

Screwdriver Function Module (SFM) with electronic stroke



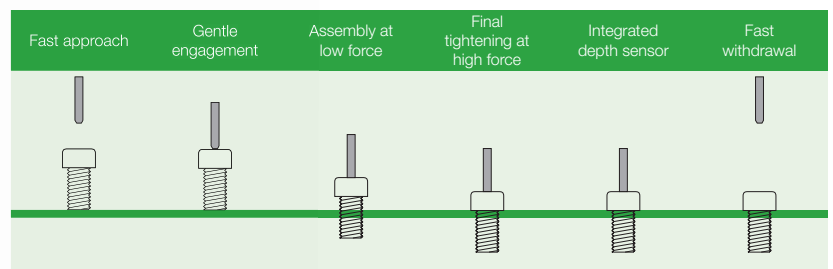
ADVANTAGES

> Flexibility

The Screwdriver Function Module with electronic stroke (E-SFM) has been optimally designed to react flexibly to complex screwdriving tasks, new fasteners and varying assembly requirements.

> Precise parameter control

- force
- speed
- position



> Process reliability

Avoid applying unnecessary stress to your component by optimally adjusting force and speed in your screwdriving application. A gentle engagement process will extend the life of your bit.

> Improved cycle time

Flexible positioning of the bit enables different processing steps to be combined with one another. This can improve the cycle time and increase the productivity of your application.

> One system – many screwdriving directions

Whether downwards or upwards, horizontally or at a particular angle – the E-SFM can do the job without losing the fastener position.

> Integrated depth sensor

The E-SFM can be flexibly programmed and is therefore suitable for various screw heights.

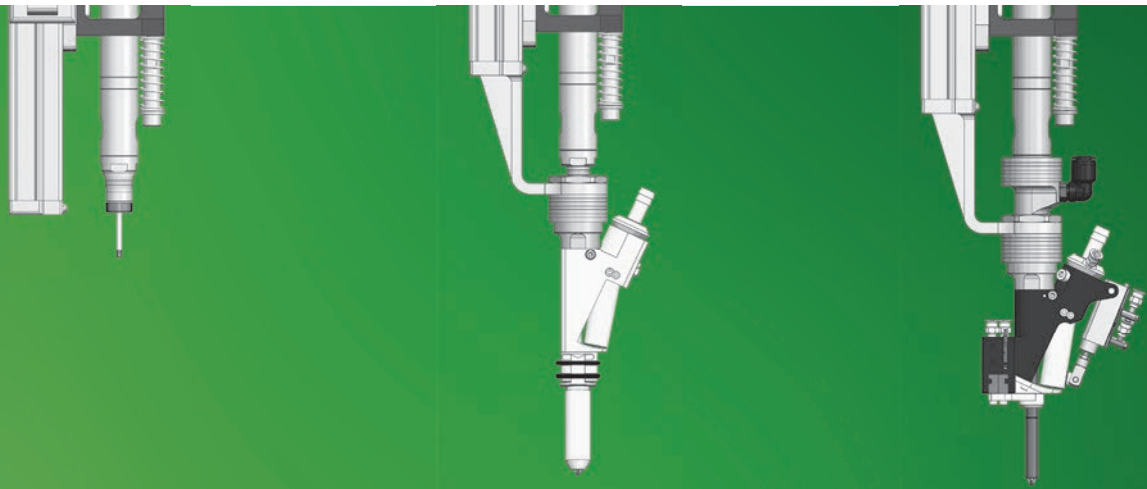
> Suitable for lightweight robots

Due to its low weight, the E-SFM is ideal for use in applications in conjunction with lightweight robots.

> E-SFM manager

Simple parameterisation software in responsive design.

VERSIONS



Without positioning sleeve

- if the fastener is pre-positioned

With positioning sleeve

- if the fastener is fed via hose and precisely positioned with positioning sleeve

Vacuum

- if the fastener is fed using pick-and-place or via hose and precisely positioned using vacuum tube
- for screw locations with restricted space

COMBINATION OPTIONS

E-SFM



with corresponding controller

Software

and parameterisation software E-SFM manager

DEPRAG screwdriver spindle




with corresponding sequence controller

Feeder



Master PLC

PLC



DPU

DEPRAG

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