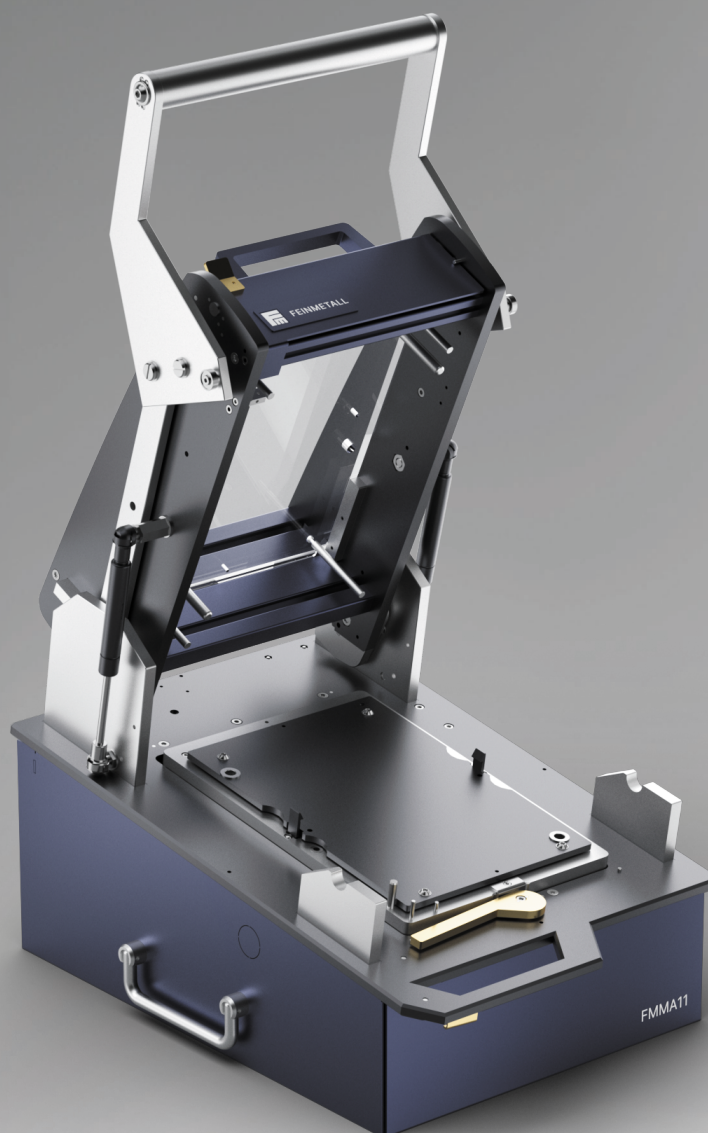




FEINMETALL

Contact Technologies



ASSEMBLY INSTRUCTIONS

Mechanical fixture houses
FMMA11 | FMMA12 | FMMA13

> [FEINMETALL.COM](https://www.feinmetall.com)

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OVERVIEW OF ADD-ON OPTIONS



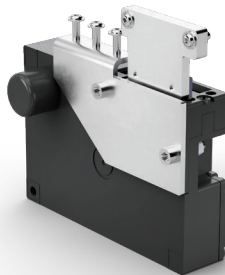
FMMA-OPT01 NEW

Order Code	1187486
Material	FMMA Pneumatic Hood Locking System
The system prevents the chassis from opening unintentionally by using a pneumatic cylinder.	



FMMA-OPT02 NEW

Order Code	1187489
Material	FMMA electrical Hood Locking System
The system prevents the chassis from opening unintentionally by using an electrically actuated cylinder.	



FMMA-OPT05 NEW

Order Code	1184738
Material	AZM Safety Interlock for FMMA
Safety Interlock which prevents an unintentional opening of the hood.	



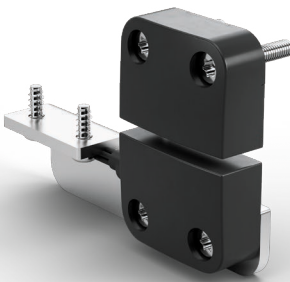
FMMA-OPT06 NEW

Order Code	1187505
Material	AOC-E Modul FMMA
An electric servo drive for the automated opening, closing, and contacting of your mechanical test fixture. Specially developed to optimize workflows and boost productivity, it supports both manual and fully automated testing, offering a simple addition to your test system or a retrofit option for future adjustments as production volumes increase.	



FMMA-OPT03 NEW

Order Code	1187491
Material	Hood Switch Reed Sensor FMMA
Electrical switch which opens/closes based on the positioning of the hood.	



FMMA-OPT04 NEW

Order Code	1184737
Material	Saftey lever BPS 260 FMMA
Electrical switch which opens/closes based on the positioning of the hood.	



FMMA-OPT07 NEW

Order Code	1187847
Material	Starter Kit
Starter Kit which includes all necessary items to customise the test fixture. Includes Push down rods and PCB support pins.	

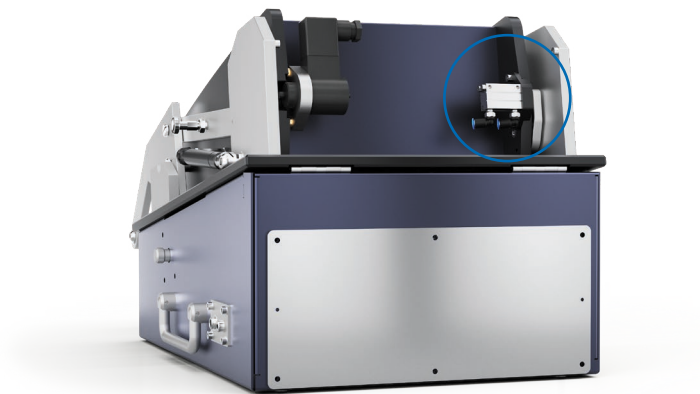


FMMA-OPT08 NEW

Order Code	1187850
Material	Protection tube
Protection tube for sage cable management.	

PNEUMATIC HOOD LOCKING

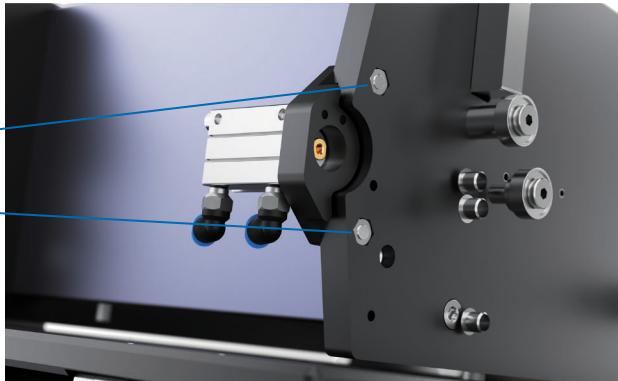
Pneumatic hood locking



Installing the lock

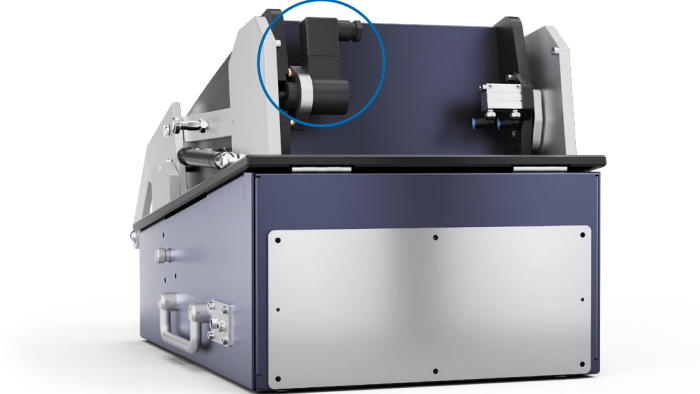
Use the included screws to secure the assembled unit to the side panel.

- 2x ISO 14579 M4×14
- 2x Nut



ELECTRICIAL HOOD LOCKING

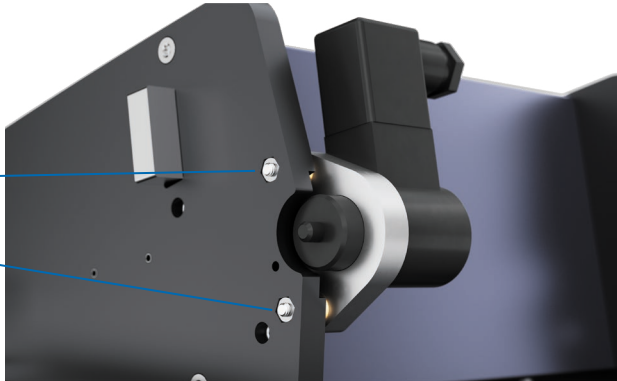
Electricial hood locking



Installing the lock

Use the included screws to secure the assembled unit to the side panel.

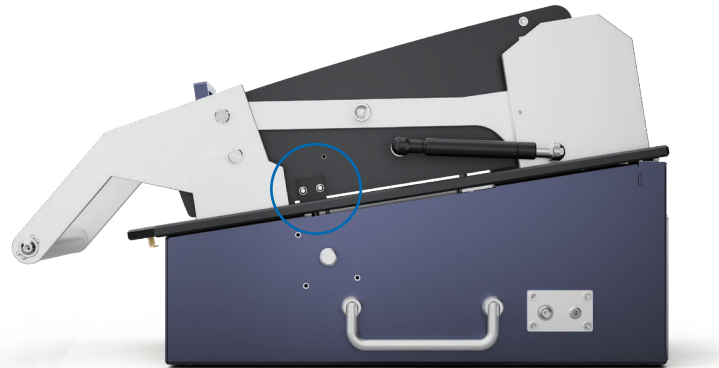
- 2x ISO 14579 M4×20
- 2x Nut
- 2x Spacer Sleeve 10×5,3×3



REED SWITCH

Installing the Reed switch

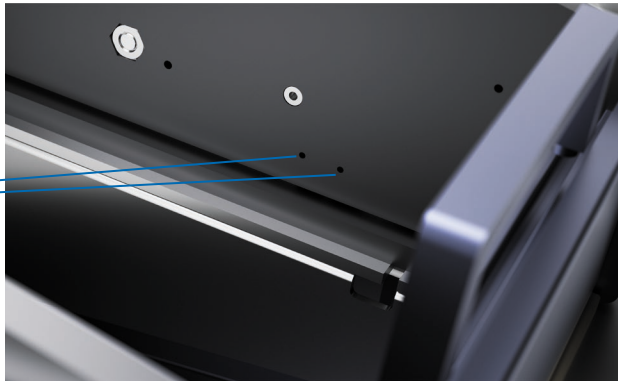
The reed switch is secured with screws both from the outside to the side panel and from below via the mounting plate.



1. Step

First, drill the holes to a diameter of 3.2. Then use the included screws to secure the milled part to the magnet on the outside of the side panel.

- 2x ISO 7380 FL M3×25
- 2x ISO 4032 M3 (Nut)
- 2x ISO 7089 3.2 (washer)



2. Step

Now secure the bracket with the reed switch from the bottom side to the mounting plate using a screw.

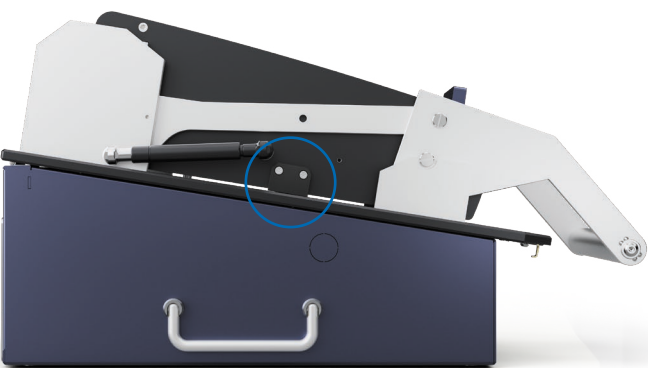
- 1x ISO 14579 M3×16



BPS 260 SWITCH

Installing the BPS 260 switch

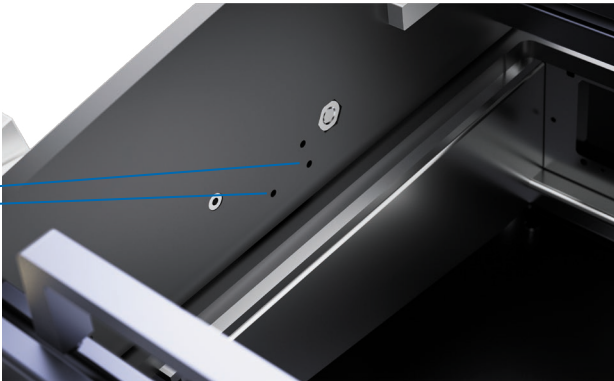
The BPS 260 switch is secured with screws both from the outside on the side panel and from below via the mounting plate.



1. Step

First, drill the holes to a diameter of 3.2. Then use the included screws to secure the BPS 260 switch from the outside.

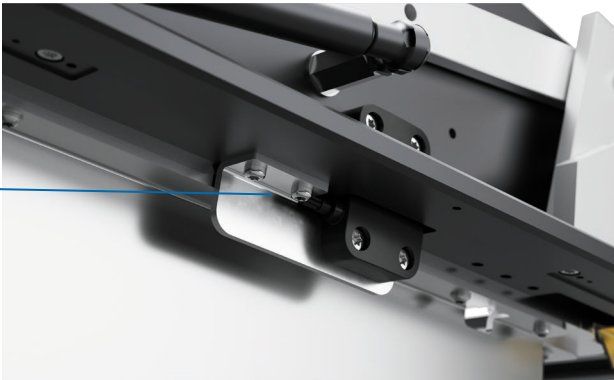
- 2x ISO 14579 M4×20
- 2x ISO 4032 M3 (Nut)
- 2x ISO 7089 3.2 (washer)
- > **Countering from the innner side**



2. Step

Also tighten it from the bottom through the mount-ing plate using two screws.

- 2x ISO 14579 M4×12



SAFETY INTERLOCK

Installing the Safety Interlock

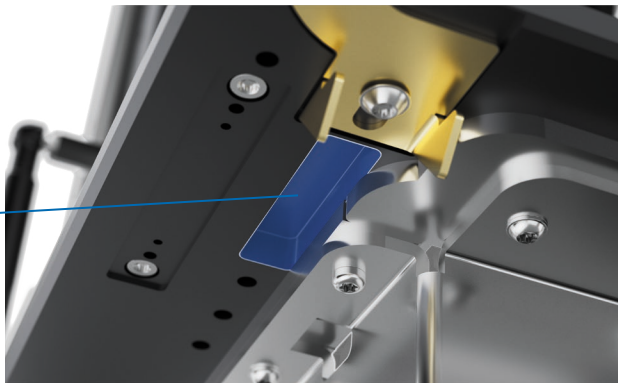
The Safety Interlock can only be installed when the hood is open.



1. Step

Before the Safety Interlock can be installed, a cutout must first be made in the mounting plate. The cutout location is marked with an outline, making it very easy to find.

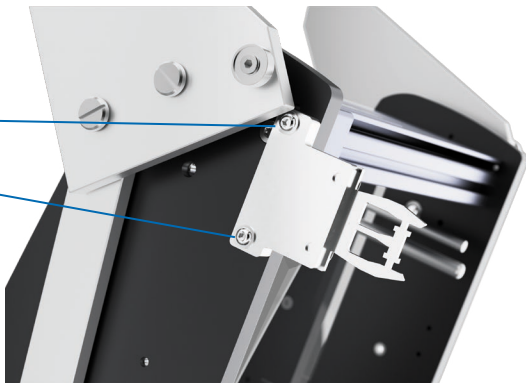
Cutout



2. Step

Use the included screws to secure the BPS 260 switch to the outside of the side panel.

2x ISO 14579 M4×12



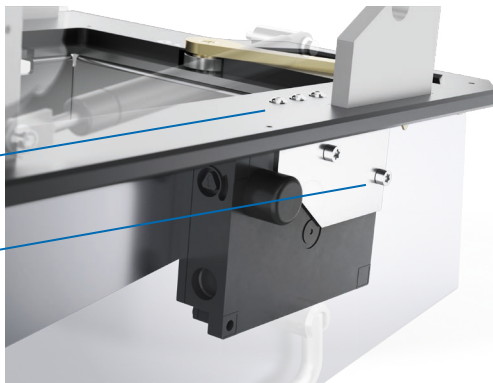
3. Step

The AZM safety lock is bolted to the mounting plate inside the housing using a mounting plate, both from above and from the side.

First, bolt the AZM safety lock to the mounting plate, and then mount it to the support plate.

Screwed in from the top:
3x ISO 7380 M4×16
> The holes must be drilled through beforehand

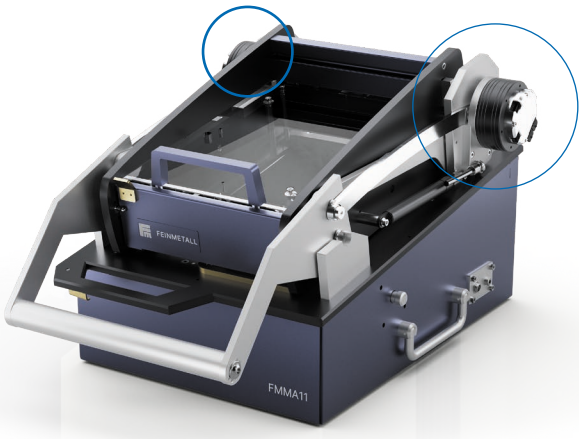
Screwed in from the side:
2x ISO 14579 M5×20
2x ISO 4032 M5 (Nut)



AOC-E MODUL

AOC-E

The Auto Open-Close module, including the control box—the power supply is optional.



1. Step

When retrofitting the AOC-E module, the gas springs and the latch must be removed first → See the blue markings.

When installing the AOC-E module directly, begin with the AOC-E installation instructions.



2. Step

See the AOC-E Installation Instructions.

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