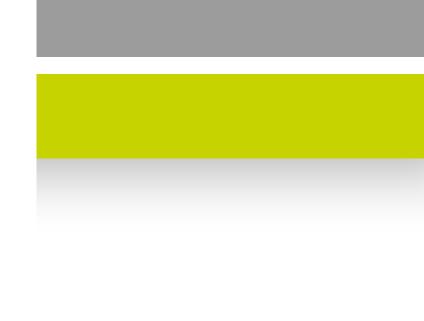


# UFM Precision HD4

PROMESS assembly press UFM Precision **Hygienic Design** for applications in cleanroom environments, certified according to cleanroom class ISO 4 (DIN EN ISO 14644)



For more efficiency.





**UFM Precision HD4** for applications in cleanroom environments. A well-conceived design of sealings, filters and surface refinements minimizes the particle emission of the assembly press and allows for precise production without contamination of the environment.

All components of the system comprise of FDA approved material or are coated with FDA approved materials.

The complete system can be cleaned easily. The UFM Precision HD4 is certified with cleanroom class ISO 4 according to DIN EN ISO 14644.

## Advantages

- Certified cleanroom class ISO 4 according to DIN EN ISO 14644
- Easy to clean set-up
- High repeatability
- Precision set-up with high-precision press ram guidance
- High-resolution sensors
- Intelligent control system
- Only a power amp is required, no need for an additional external monitoring system
- 100% quality control using window and/or envelop methods
- No PLC knowledge required



## Specifications

#### Main functions

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StrokeNominal speed

100 mm 300 mm/s

±1 kN

4.000

Acceleration

4,000 mm/s<sup>2</sup>

Dwell time nominal load

minimum 4 s

Weight

10.5 kg

Cleanroom class

4 DIN EN ISO 14644

#### **Distance measuring**

Smallest measuring step

0.061 µm

Repeatability\*

< 0.01 mm

#### Force measuring

Characteristic value

1 mV/V

Smallest measuring step

0.268 N

System accuracy\*\*

<1% f.E. with 2-point-calibration

< 0,3 % f. E. with characteristic map

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<sup>\*</sup>At thermal steady state

<sup>\*\*</sup>Force measuring system calibrated statically

## **PROMESS.** For more efficiency.

## www.promessmontage.de



#### **PROMESS**

Gesellschaft für Montageund Prüfsysteme mbH

Nunsdorfer Ring 29 | D-12277 Berlin Phone +49 (0)30 / 62 88 72 - 0 Fax +49 (0)30 / 62 88 72 - 59 promess@promessmontage.de

