

# ALPHA400C PVD COATING SYSTEM

The door opener for  
tribological coatings



# ALPHA400C PVD COATING SYSTEM

## THE DOOR OPENER TO TRIBOLOGY

With the alpha400C coating system, you can produce friction-reducing coatings on reasonably sized parts, especially on carbon-base or MoS<sub>2</sub>-base. The production of nitridic hard coatings with substrate temperatures below 250 °C / 482 °F are accessible with it as well.

The smallest magnetron sputter system in our range offers you high flexibility and short production cycles. That makes it a perfect fit for R&D in production and universities.

It works great as well in production lines of original part manufacturers (OEM) – with a high throughput of simi-lartype parts – becoming an integral component of their production system.

### STANDARD COATINGS

DLC coatings like:

- » SUCASLIDE®
- » CARBON-X®

Tribological coatings like:

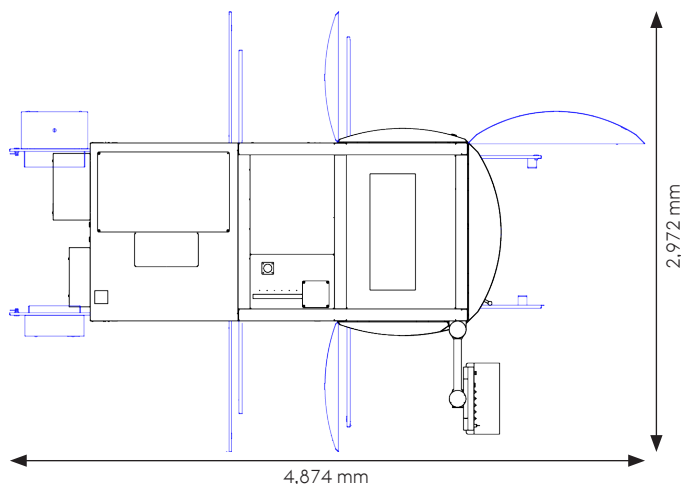
- » MoX<sub>2</sub>®

### OPTIONAL COATINGS

- » Nitridic hard coatings

## LAYOUT

- » Small footprint for easy integration in factory floor plan
- » Access to all sides for easy maintenance and service



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## ADVANTAGES

- » High flexibility, high productivity
- » Cryopump for faster pumping
- » Target shutter system for high reliability
- » Access to eifeler's tribological coatings (MoX<sub>2</sub>®, DLC)
- » Simple loading and intuitive operation
- » Easy to maintain
- » Low operating costs
- » High plasma density

## TECHNICAL DATA

Usable volume	Ø 450 x 525 mm
Load	Max. 750 kg
Coating chamber (L x W x H)	775 x 630 x 750 mm
Dead weight	3,000 kg incl. separate Polycold
Distributed load	850 kg/m <sup>2</sup>
Bias	10 kW / max. 700 V DC / pulsed DC
Sputter sources	4 pieces 643 x 145 mm, 6 kW each
Batches per day	Typically 3 – 4 batches
Exemplary batch end mills (Ø 10 x 70 mm)	432 pieces per batch
Turntables	Different numbers of planetaries available

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ONE STEP AHEAD.