

ALPHA400P PVD COATING SYSTEM

The flexible all-rounder for all ARC coatings



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THE FLEXIBLE ALL-ROUNDER

The alpha400P PVD coating system is small and highly flexible. This makes it the ideal equipment for coating centres as a supplement to large-volume coating systems, such as the alpha900P.

In a resharpening or tool manufacturing plant, it efficiently coats hobs, shaper cutters and shank tools – as well as stamping and forming tools.

If you are an original part manufacturer (OEM) with a high throughput of similar-type parts, the alpha400P will work as an integral part of your production line.

MAIN COATINGS

ARC coatings like:

- » TiN
- » CrCN
- » EXXTRAL®-plus
- » SISTRAL®
- » VARIANTIC®

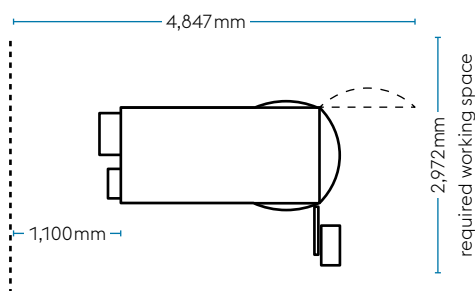
OPTIONAL COATINGS

ARC coatings like:

- » Duplex coatings
- » TiN-ultrafine
- » TiCN-ultrafine
- » EXXTRAL®-ultrafine
- » SISTRAL®-ultrafine
- » CROSAL®-plus

COMPACT DESIGN

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



MAIN BENEFITS

- » high plasma density
- » high flexibility and productivity
- » dual evaporators for high production stability and access to mixed-material coatings
- » simple loading and intuitive operation
- » easy to maintain
- » low operation costs
- » optional: SPCS equipment for access to eifeler's ultrafine coatings with extra smooth and dense surfaces
- » optional: Duplex-PVD with additional plasma sources for in-situ plasma nitriding

TECHNICAL DATA

| | |
|---|---|
| Usable volume | Ø 450 mm × 525 mm |
| Load | max. 300 kg |
| Coating chamber (L × W × H) | 775 × 700 × 750 mm |
| Dead weight | 3,000 kg |
| Distributed load | 980 kg per sqm |
| Bias | 30 kW / max. 1,000V DC / pulsed DC |
| Evaporator sources | 12 pcs. with each max. 125A |
| Batches per day | up to 5 batches |
| Exemplary batch Endmills (Ø 10 × 70 mm) | 432 pcs. per batch |
| Exemplary batch Hobs (Ø 100 × 150 mm) | 24 pcs. per batch |
| Turntables | different numbers of satellites available |



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ONE STEP AHEAD.