

A large, glowing blue lightning bolt graphic that forms a jagged, circular shape in the center of the page. The lightning bolt is bright white and yellow at its core, fading into a deep blue glow as it spreads out. The background is a dark, gradient blue that transitions from black at the bottom to a lighter blue at the top.

BRIGHT IDEAS FOR YOUR PVD APPLICATIONS

Innovative PVD systems for
most sophisticated coatings

WE MAKE SURFACE SOLUTIONS FOR YOUR SUCCESS

Whether you produce tools, run a coating centre or conduct research on future coatings: this is the right place for you.

The voestalpine eifeler group has been developing powerful PVD coatings and coating procedures for more than 35 years. Our PVD systems are designed and built at our excellently equipped technology centre in Germany. This provides companies around the world with an advantage in their respective markets. You can get this advantage, too – with unique technologies and innovative systems.

USE THE MOST ADVANCED TECHNOLOGIES

More efficiency, more output, better results: with the systems, procedures and coatings we have developed, your coatings are always state of the art.

» Duplex treatment

The duplex treatment allows you to perform in-situ nitration and coating in a single process. This will save you plenty of time and energy.

» SPCS coatings “ultrafine”

We have developed the SPCS treatment for extremely smooth and thick coatings. It allows you to reduce the number of droplets drastically compared to traditional ARC coatings.

ABOUT VOESTALPINE EIFELER

- » Active in the market for more than 35 years
- » Coating centres at 24 locations, in 12 countries on 3 continents
- » We develop surface solutions and build PVD coating systems on more than 3,000 m² in Düsseldorf

COATINGS FOR A SPECIAL PERFORMANCE

- » CARBON-X®
- » CROSAL®-plus
- » Duplex-VARIANTIC® series
- » MOLDADUR®-P
- » SISTRAL®

“The voestalpine eifeler Vacotec PVD systems and coatings are always state of the art, because our toughest critics are in-house: Our coating centers worldwide tell us exactly what they need in addition. This motivates us to always be one step ahead.”

Dr Eckart Voss, International Application Manager

FULL SERVICE FOR YOUR COATING



- » Coating
- » Material
- » Procedure



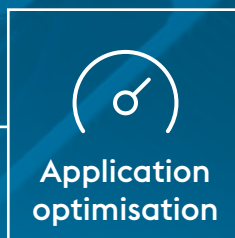
- » System layout
- » Peripheral systems
- » Assembly and
commissioning



- » Basics
- » Applications
- » Coatings



- » Cleaning
- » Spare parts
- » Repair



- » Costs
- » Performance
- » Applications



alpha700P
The Power Player,
setting new standards

- » Fast cooling system
- » Target shutter system
- » SPCS and duplex technology
- » Space-saving flexible design
- » Usable volume: Ø 590 × 700 mm
- » Up to 5 batches per day



alpha400P
The flexible all-rounder
for all ARC coatings

- » For production and research
- » All ARC coatings available
- » Usable volume: Ø 450 × 485 mm
- » Up to 5 batches per day



alpha400C
The door opener for
tribological coatings

- » High-end coatings available
- » Ideal for component coatings
- » All tribological coatings available
- » Usable volume: Ø 450 × 485 mm
- » Up to 5 batches per day



alpha200

The entry-level model with real eifeler technology

- » For standard coatings
- » Quick to commission (plug & play)
- » Usable volume: Ø 350 × 325 mm
- » Up to 6 batches per day



alpha900P

The large, versatile duplex coating machine

- » For large-volume tools
- » Comparatively small footprint
- » Suitable for serial production
- » Usable volume: Ø 800 × 880 mm
- » Up to 4 batches per day



alpha1000C

The heavyweight for minimum friction and maximum output

- » Suitable for serial production
- » All tribological coatings available
- » Usable volume: Ø 650 × 1,000 mm
- » Up to 3 batches per day

Periphery

We provide you with production lines from a single source – along with all the peripheral systems you need:

- » Lab equipment
- » Micro-blasting systems
- » Cleaning systems
- » De-coating system
- » Polishing



Calotest



Dust-Blow-off

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voestalpine

ONE STEP AHEAD.