

VON ARDENNE 



DREVA 400 VERSATILE LAB COATING SYSTEM



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MAIN FEATURES

- Versatile PVD coating system for laboratory, research and development as well as pilot and small-scale production of 3D parts
- Hollow cathode plasma source for pre-treatment (cleaning and heating)
- Up to 3 arc evaporation sources for deposition of standard mono- or multilayer layers for hard coatings
- Option: Sputter cathodes (planar), including HiPIMS
- Useable coating volume: Ø 370 mm x 200 mm (D x H)
- Fully automated control system and data logging can be accessed via remote control
- Compact system footprint with 2,400 mm x 1,500 mm x 2,000 mm (L x W x H)

APPLICATIONS

- Forming and cutting tool coating
- Medical instruments
- Decorative hard coatings
- Sanitary

BENEFITS

- Coating of 3D parts with 3-fold spin rotation according to application
- Modular design for source configuration with up to 3 sources
- Short cycle time of less than 120 min for a flexible coating schedule
- Compact single frame design for fast installation
- Plug and play Operation
- Productivity: approx. 125 tools/batch (shaft Ø 8 mm)

COATING TECHNOLOGIES

- Arc evaporation processes for typical hard coating layers (TiN, TiCN, AlTiN, AlCrN, TiCrN, CrN or ZrN)
- Metal coatings, also reactive sputtering possible
- HiPIMS

WORLDWIDE SALES AND SERVICE

VON ARDENNE GmbH (headquarters) | Am Hahnweg 8 | 01328 DRESDEN | GERMANY

Sales: ☎ +49 (0) 351 2637 189 | ✉ sales@vonardenne.com

Service: ☎ +49 (0) 351 2637 9400 | ✉ support@vonardenne.com

VON ARDENNE Vacuum Equipment (Shanghai) Co., Ltd. | ☎ +86 21 3769 0555 | ☎ +86 21 6173 0200 | ✉ sales-vave@vonardenne.com; ✉ support-vave@vonardenne.com

VON ARDENNE Malaysia Sdn. Bhd. | ☎ +60 4408 0080 | ☎ +60 4403 7363 | ✉ sales-vama@vonardenne.com; ✉ support-vama@vonardenne.com

VON ARDENNE North America, Inc. | Ohio office | ☎ +1 419 386 2789 | ☎ +1 419 873 6661 | ✉ sales-vana@vonardenne.com; ✉ support-vana@vonardenne.com

VON ARDENNE Vietnam Co., Ltd. | ☎ +84 966 29 29 50 | ✉ sales-vavn@vonardenne.com; ✉ support-vavn@vonardenne.com