

VON ARDENNE 



DREVA 600 UNIVERSAL PVD HARD COATING SYSTEM

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MAIN FEATURES

- Field proven, reliable and refined equipment concept
- Design with two large vacuum chamber doors in which the coating sources are installed
- 6 or 12 VA-proprietary round arc sources with shutters and power supplies
- Option: Sputter cathodes (planar and tubular), including HiPIMS
- Option: Hollow cathode for plasma pre-treatment, heating and ion assisted deposition
- Radiative substrate heaters for a process temperature of up to 400°C
- Usable coating volume: Ø 500 mm x 500 mm
- Internal chamber size: Ø 700 mm x 875 mm
- Customized part holder for various tool and component designs
- Low noise level of about 65dBA
- Fully automated control system and data logging which can be accessed via VPN
- Gas inlet system for up to 5 process gases (standard gases are Ar, N₂ and Acetylene)

APPLICATIONS

- Hard coatings of tools and parts
- Decorative hard coatings

CUSTOMER BENEFITS

- Modular configuration enables application-specific adaptation
- Customer-specific substrate carriers
- Easy access to all relevant components for system operation and maintenance
- Straightforward project execution

TECHNICAL ADVANTAGES

- 1-fold, 2-fold and 3-fold substrate rotation according to application
- Simple operation via editable recipes
- Access of two employees in parallel through two large vacuum chamber doors
- Remote diagnostics for troubleshooting over the internet (VPN)
- Backing pumps are maintained on a service frame without crane or forklift
- Simple & safe technology transfer from lab systems to customer's DREVA 600
- Shipping of the DREVA 600 including accessories on a 18t truck or 20ft high cube container
- Relocation on the shop floor is possible just with a forklift
- Plug and play installation by connecting cooling water, process gases, electricity, compressed air and exhaust at a single spot
- Hard coating productivity of up to 1,040 Ø 8 mm drills per batch on < 5 m² floorspace

RANGE OF COATINGS

- Hard coating of tools and parts as mono- and multi-layer:
AlCrN, AlTiN, AlTiSiN, CrN, TiAlN, TiCN, TiN, TiSiN, WC (only sputtered)
- Decorative hard coatings:
Grey, Gold, French Gold, Bronze, Champagne, Copper, Brown, Mocca, Anthracite, Black

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