



Member of  VON ARDENNE Group

# Hard Coating System

## 硬质涂层系统

### DREVA 600 LAM



## Main Features

- Multiple Modules for ARC evaporation
- Optional: magnetrons (planar and tubular), including HIPIMS
- Hollow cathode for plasma treatment
- Capacity: approx. 1,200 tools/batch (shaft: Ø 6 mm)
- Gas inlet system and heating unit
- Fully automated control system and data logging
- Vacuum chamber dimensions:  
700 x 850 x 875 mm (L x W x H)

## Applications

- Tool coating
- Tribology Application
- Medical instruments
- Decorative hard coatings
- Sanitary

## Process Benefits

- Using filtered and unfiltered technology
- High capacity combined with high productivity
- Improved ta-C coating properties compared to DLC coatings
- Plug and Play operation
- Adjustable substrate carrier:  
dedicated holding fixtures for various tool and component designs

## Customer Benefits

- Cost reduction
- High cutting quality
- Increased tool life time
- Increased productivity
- Reduced tool-sticking tendency

## Range of Coatings

- ta-C
- Cr
- CrN
- WC
- Ti
- Optional:  
other hard coatings on request

## 主要特点

- 多模块电弧蒸发
- 可选: (平面和管状), 磁控, 包括HIPIMS
- 等离子体刻蚀空心阴极
- 容量: 约 1,200 件刀具/批 (直径:  $\varnothing$  6 mm)
- 进气系统和加热装置
- 全自动控制系统和数据记录
- 内腔尺寸:  
700 x 850 x 875 mm (长 x 宽 x 高)

## 用途

- 刀具涂层
- 摩擦学应用
- 医疗器械
- 装饰性硬质涂层
- 卫生设备

## 工艺效益

- 使用过滤技术和无过滤技术
- 结合高产能与高生产率
- ta-C 涂层与DLC涂层相比, 性能改善
- 即插即用操作
- 可调整的产品夹具:  
用于各种刀具和零部件设计的专用夹具

## 客户效益

- 降低成本
- 切削质量高
- 延长刀具寿命
- 提高生产率
- 降低刀具粘料机率

## 涂层产品系列

- ta-C
- Cr
- CrN
- WC
- Ti
- 可选:  
根据要求提供其他硬质涂层

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