

# PLATIT PL1001 COMPACT

## General Information

- High capacity hardcoating unit
- Based on PLATIT cathodic ARC technology
- Coatings on HSS and WC ( $T \leq 500^{\circ}\text{C}$ )

## Hard Coatings

- Standard: TiN, TiAlN, TiCN-MP
- Optional: AlTiN, TiAlCN, Ti<sub>2</sub>N, TiCN, CrN, ZrN ...
- Monolayer, multilayer, and nanolayer

## Hardware

- Foot print: W3880 x D1950 x H2220 mm
- Internal chamber size: W1000 x D1000 x H1100 mm
- Usable plasma volume:  $\varnothing 600$ - $\varnothing 700$  x 600-700 mm
- Double wall, stainless steel, water cooled chamber
- Front door loading, excellent access
- 4 PLATIT cathodes with quick-exchange system
- Storage of 2 spare cathodes inside the cabinet
- Electrical connection: 3x400 V, 50-60 Hz, 95 kW
- Modular carousel system with 4 or 8 satellites
- Max. substrate load: 400 kg

## Electronics and Software

- Industrial PLC (programmable logic) system
- Industrial PC system
- Touch-screen operated
- Complete menu driven processes
- Easy diagnostic and help functionality
- Remote diagnostics
- No programming knowledge is required for process control
- Operator's manual on CD-ROM

## Cycle Times

At continuous operation for coating carbide tools, with the standard thickness of  $2 \mu\text{m}$ :

- Round shank tools:  $\varnothing 10$  x 72 mm, 864 pcs: 6.5 h
- Carbide inserts:  $\varnothing 20$  x 6 mm, 4224 pcs: 6.0 h
- Hobs:  $\varnothing 80$  x 180 mm, 36 pcs: 7.0 h



With easy loading, different tool types and sizes can be mixed and coated in one batch.

