

**PLATEG**

**PVA TePla**

**Bell-type furnace PulsPlasma®-Nitriding system**  
for the treatment of tools, machine parts



- Uniform temperature distribution by hot wall technology
- Low process gas consumption, no polluting gases
- Flexible nitriding temperatures between 300 °C and 600 °C
- Controllable compound- and diffusion-layer formation
- Treatment of steel with Cr content > 12 %
- Nitriding of sintered steel
- Simple masking for partial treatment
- Combination with PulsPlasma®-Oxidation in one treatment cycle

PP300 Ø 1400 x 2600 Tandem

Industrial Systems

## 2 Bell-type furnace PulsPlasma®-Nitriding system

### PulsPlasma®

- Pulsed DC plasma
- No surface damage by arcing
- Gentle heating of the parts in the plasma
- Plasma cleaning at low temperature
- Effective thermal insulation system
- Compact plant construction
- Ball-type furnaces for easy loading and unloading
- Available as Mono-, Shuttle- or Tandem-plant



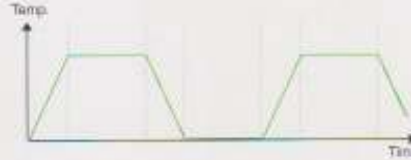
PP 20 Ø 400 x 800 compact

### Comparison of temperature-time-characteristic for treatments in Mono and Tandem-systems

The Mono plant with 1 treatment chamber



The Tandem plant with 2 treatment chambers, high economy by more treatments per time



### Türkiye Müessesili

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### Available plants:

(Standard chamber sizes; other dimensions on request)

Furnace type	Working area (mm)	Load weight (kg)	Connected power (kW)
PP20 Ø 400 x 800	Ø 300 x 500	500	25
PP60 Ø 700 x 1000	Ø 600 x 700	1000	49
PP120 Ø 1000 x 1600	Ø 800 x 1200	2000	100
PP200 Ø 1200 x 2000	Ø 1000 x 1500	3000	150
PP200 Ø 1400 x 2500	Ø 1200 x 2000	5000	200
PP300 Ø 1800 x 2900	Ø 1600 x 2200	8000	270

### PlaTeG GmbH

A company of the PVA TePla group

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