

# THERMAL SPRAY COMPONENTS

## PulseArc 1000 Plasma Power Supply

The PulseArc 1000 Plasma Powder Supply is a heavy duty rectifier of a 80kW secondary chopped type; featuring a 100% duty cycle over the entire power range, very high electric efficiency, a very stable plasma jet and a special, controlled soft ignition resulting in increased lifetime of the plasma gun consumables hardware.

### Characteristics:

- Maximum output current 1000 A DC
- Maximum output voltage 100 V DC @ 100% duty cycle
- Main transformer 3 x 400 V – 3 x 90V @ 50Hz
- Dimension 800 x 600 x H 2000mm
- Control accuracy 1%
- Cooling Air

Electricity supply filter in accordance with "EMV" standards.  
Secondary chopped technology.

### Advantage to Thyristor technology:

- Efficiency is approx. 96%
- Up to 30% reduction of electricity costs
- Stable arc due to 20kHz arc frequency
- Soft start
- Protection against short-circuit
- Higher DE on several powders



### Switzerland

**AMT AG**  
Badstrasse 34  
CH-5312 Döttingen

Tel.: +41 (0)56 245 9010  
Fax: +41 (0)56 245 9011

### Japan

**Shida International Co. Ltd.**  
4-60-10 Minamidai, Nakano  
164-0014 Tokyo

Tel.: +81 353 42 1377  
Fax: +81 353 42 1378

### Singapore

**AMT AG Ltd.**  
19 Loyang Way 02-04  
Changi Int'l Logistics Center  
Singapore 508724

Tel.: +65 6543 3700  
Fax: +65 6543 3705

### Germany

**KHW Beschichtungstechnik**  
Hamsterweg 10a  
D-65307 Bad Schwalbach

Tel.: +49 (0)6124 7020 962  
Fax: +49 (0)6124 7020 963