

# THERMAL SPRAY SYSTEMS

## 400DC Wire Arc Coating System

The AMT type 400DC Wire Arc Coating System together with the type LD/U-2EM Wire Arc Spray Gun is specially developed to produce high volume coatings in multiple shift operation.

The complete wire arc coating system type AMT400 DC consists of the following components:

- Power supply unit with controller, mobile on casters, incl. connectors for the power supply of a wire arc spray gun.
- Complete unit incl. cable and hose assembly and wire arc spray gun type LD/U-2EM, for 1,6 mm wire materials
- Wire feed system: electrical wire feed, type Push-Pull
- Optimized ignition circuit
- Type LDS software
- Wire spool holder for two wire spools, dedicated for nearly all common wire materials and diameters
- User guidance via LCD display, which shows all necessary spray parameters.
- Incl. AC power line 3m
- Complete incl. compressed air controller
- Precise controlled wire feeding system (tolerance 0,05 m/min)
- Standard MMC-drive included

Interface for integration into an automated process or an automated handling system



### Technical Data AMT 400DC

- |                                  |                            |
|----------------------------------|----------------------------|
| - Power supply voltage           | 3 x 400V @ 50Hz            |
| - Continuous / max. power rating | 14.6 / 8.5kVA              |
| - Continuous-/ max. current      | 21.1 / 26.8A               |
| - Efficiency factor cos. Phi.    | 0.95                       |
| - Fuse                           | 25A / slow                 |
| - Weight                         | 120kg                      |
| - Adjustment range               | 20A / 10V up to 400A / 44V |
| - <b>60% duty cycle</b>          | <b>400A / 34V</b>          |
| - <b>100% duty cycle</b>         | <b>315A / 44V</b>          |
| - Protection level               | IP23                       |
| - Cooling                        | air                        |
| - Insulation class               | H                          |



The type AMT 400DC spray system meets the latest CE regulations.

#### 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