

ARC SPRAY SYSTEM FOR FLUX-CORED WIRES

DURSPRAY 450



www.durmat.com

The mobile electric wire arc spray system DURSPRAY 450 belongs to the latest generation of fully automatable spray systems.

 made
in
Germany

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Developed and manufactured by DURUM in Germany, the mobile electric wire arc spray system DURSPRAY 450 belongs to the latest generation of fully automatable spray systems. It features state of the art power source-, valve- and PLC-technology. The system can be used manually or in combination with industrial manipulators or robots in automated production cells.



Current range:	50 - 450 A	Degree of protection:	IP 23
Voltage range:	20 - 38 V	Atomizing gas:	Compressed air, Nitrogen, Argon
Duty cycle:	100 %	Pressure range:	2 - 8 bar*
Open circuit voltage inverter:	90 V	Pressure max.:	10 bar*
Voltage supply:	3x400 V + N	Cooling:	Air cooled
Supply frequency:	50/60 Hz	Dimensions:	100 x 60 x 120 cm
Supply fuse:	63 A	Weight:	146 kg

* High pressure version is available on request

PLC-controlled

The use of a modern PLC system provides reliable operation and allows the easy integration of bus systems in automatic production lines or robot cells.

HMI-Interface

The intuitive menu structure and the combination of a touch screen with haptic controls provides easy operation. The HMI-interface is also available as a mobile version which is ideal for remote operation and monitoring tasks.



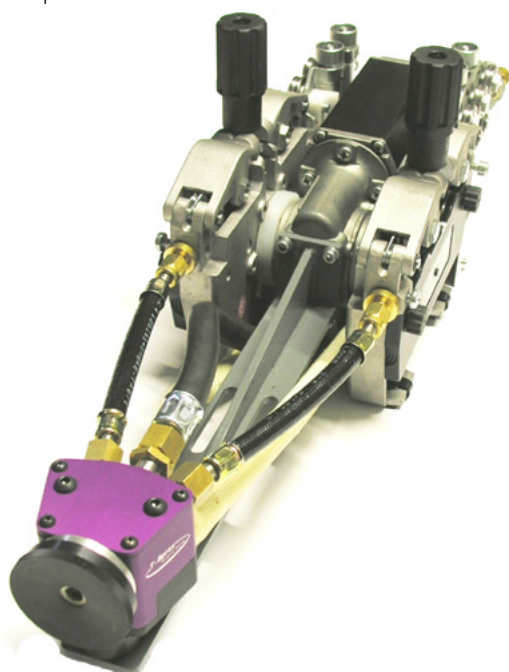
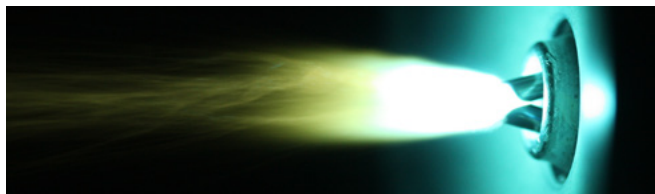
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T-Spray ArcJetOne

The spray gun ArcJetOne was optimized by computational fluid dynamics (CFD) and features a small design. The gun has a narrow spray pattern and allows the usage of wires up to 2.5 mm diameter. Additionally, it is available as a machine mounted- or handheld-version and has easily replaceable contact tips.



Job Control

The integrated job management provides, apart from recipe storage, the possibility to fix all critical parameters in the jobs. This way you can create your specific recipes tailored to your spray jobs.

Closed-loop Pressure Control

The atomizing air is controlled by a closed-loop proportional valve which constantly provides a consistent air output and monitors the pressure level. Additionally, only components with minimal pressure drop were used to ensure an economical process.

Inverter Technology

The inverter power source is primary-switched and generates a very stable arc that ensures consistent and repeatable coatings.

High-end Drive Solution

The wire feed unit is powered by a brushless DC motor with built-in electronic speed control. In combination with four driven wheels, Flux-Cored Wires can be sprayed reliably.

Modular Design

The module technology used allows easy upgrade or replacement of critical components and makes the system very low maintenance.

Optimized for Flux-cored Wires

The entire system DURSPRAY 450 was especially designed for the use of Flux-Cored Wires. Key components such as power source, wire feeder and arc spray gun have been precisely optimized for this application.





- Tungsten Carbide FCAW wires
- Tungsten Carbide Rods for Oxy-acetylene Welding
- Stellite* - Flux-Cored Wires
- Nickel-, and Iron-based Flux-Cored Wires
- Tungsten Carbides, Complex Carbides and Chromium Carbides for Manual Arc Welding (stick electrodes)
- PTA Welding Powders, Fe-Ni-Co based Powders and special blends
- PTA machines, torches and powder feeders
- Powders and Wires for Laser Cladding
- Powders for Oxy-acetylene Welding and Spraying
- Fused Crushed and Spherical Fused Tungsten Carbides
- Pre-manufactured replacement wear parts
- Tungsten Carbide Wear Plates
- Wear Plates with Chromium Carbides and Complex Carbides
- Thermal Spray Powders (conforming to DIN EN 1274)
- Thermal Spray Wires (conforming to DIN EN 14919)
- Thermische Spritzdrähte (gemäß DIN EN 14919)

* Stellite ist ein eingetragenes Markenzeichen von Kennametal Stellite

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