

DURSPRAY 450



PLC-controlled Arc Spray System for Flux-Cored Wires

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Developed and manufactured by DURUM in Germany, the mobile electric wire arc spray system DURSPRAY 450 belongs to the newest 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 Inventer:	90 V	Pressure max.:	10 bar
Voltage supply:	3x 400 V+N	Cooling:	air cooled
Supply frequency:	50/60 Hz	Dimensions:	100 x 60 x 120 cm
Supply fuse:	63 A	Weight:	104 kg



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 used mobile HMI-interface is ideal for local operation and monitoring tasks. The intuitive menu structure and the combination of a touch screen with haptic controls provides easy operation.

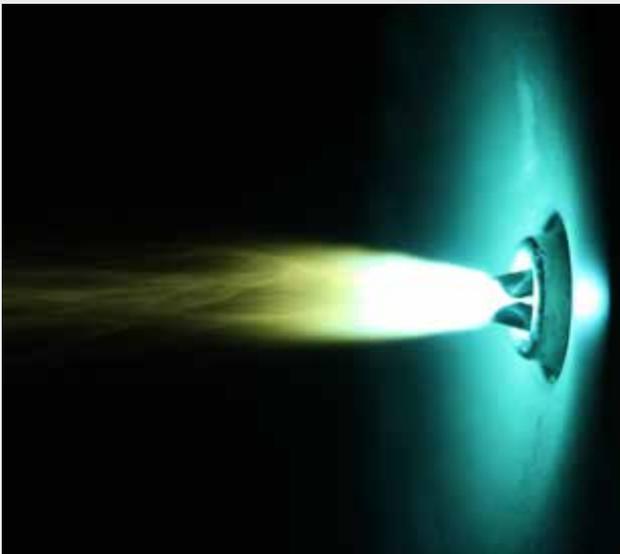
Advantages

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 2.5mm diameter. Additionally it is available as a machine mounted- or handheld-version and has easily replaceable contact tips.

Inverter Technology

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



Job Control

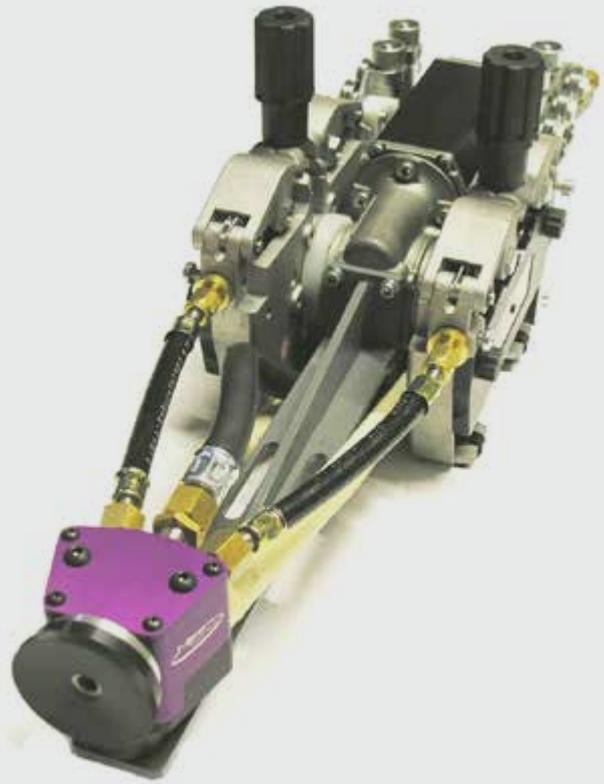
The integrated job management provides, apart from recipe storage, the possibility to fix all critical parameters in the jobs. This way you can create your specific recipes tailored to your spray jobs.

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.

Modular design

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



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.



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 feed and arc spray head have been precisely optimized for this application.

DURUM's concept of providing the right products for the right application has resulted in the most complete and flexible range of products available on the market today.



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