

## TUBE ELECTRIC ARC WIRE SPRAY SYSTEMS

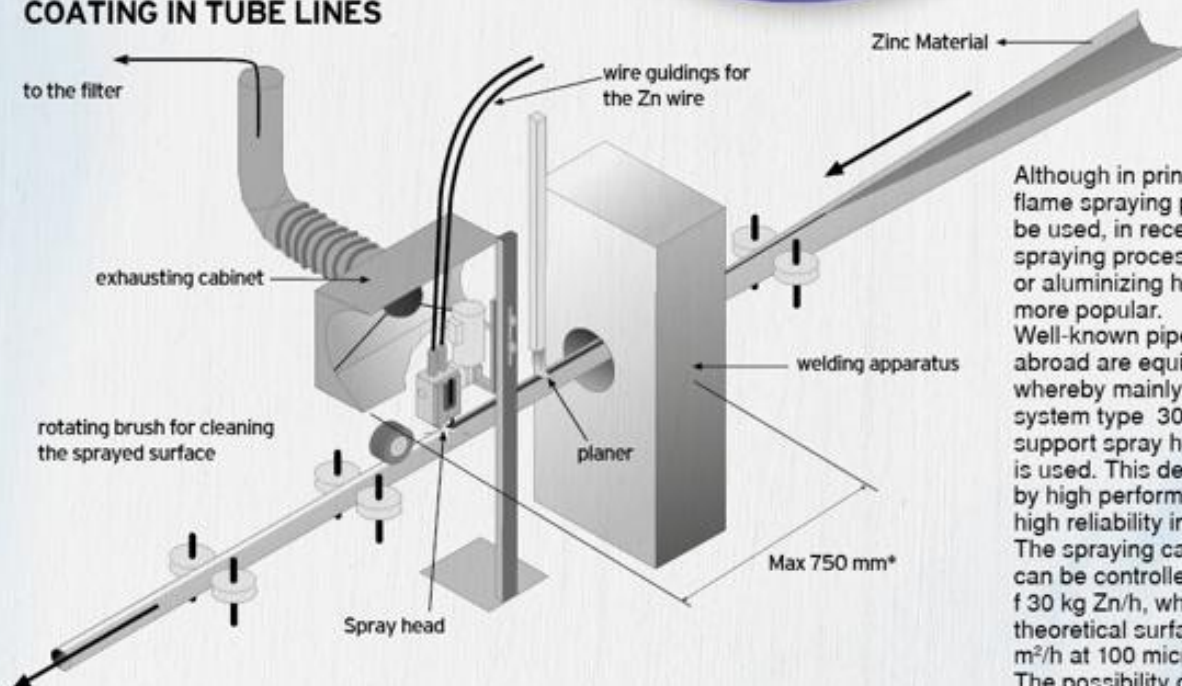
Electric arc wire spraying offers you excellent portability for on-site coatings. It covers applications for welded tube seams, piston rings, capacitors, varistors, boiler walls, and large infrastructures. It uses only electricity and atomized air to melt metallic alloy and pure metal wires. Tubing manufacturers trust our specialized OSU 300 A LD/U-2M system to apply zinc, aluminum, or zinc-aluminum corrosion protection coatings onto welded tube seams.



### Key Characteristics

- › Designed for coating tube weld seams
- › Stable arc for repeatable coatings
- › Remote start/stop from external control equipment
- › Simple to use and maintain
- › Narrow spray pattern coats narrow seams with less waste

### PRINZIPE OF WELD SEAM COATING IN TUBE LINES



Although in principle the conventional flame spraying process can also be used, in recent years the arc spraying process for welding seams or aluminizing has become more and more popular.

Well-known pipe manufacturers abroad are equipped with our systems, whereby mainly our arc spraying system type 300 A LD/U-2EM with support spray head type LD/U-2EM is used. This device is characterized by high performance, ease of use and high reliability in production processes. The spraying capacity of the system can be controlled almost continuously f 30 kg Zn/h, which corresponds to a theoretical surface coating capacity 30 m<sup>2</sup>/h at 100 micron layer thickness. The possibility of coating is not limited to pipe welds. Complete Steel tubes of any diameter can be coated with zinc or aluminum in any desired layer thickness.

\* At a slow tube line the distance between welding apparatus, spray head and cleaning brush should be as near as possible - max. 750 mm - for preventing a cooling down of the weld seam under 450 - 500° C. At temperatures under 450° C the adhesion of the sprayed surface could be insufficient...