



D523

LOW PRESSURE

Faster, stronger metal coatings and repairs

5 benefits of cold spray



Faster output



High performance



Portable repairs



Cost-competitive



Reduce waste

Applications for D523 are found in repair and restoration of numerous metal parts like engine components and moulds, sealing, corrosion protection, electrical conductivity and special applications. Secondly the D523 can be used for the application of coatings, such as electric conductive coatings, corrosion protection, etc.

Whether you're working with metals, glass, ceramics or plastics, the D523 system unlocks a wide variety of applications.



Fuse dissimilar metals to create custom solutions



Coat or restore any metal part without heat



D523

Key uses

- Prevent and repair corrosive damage and defects in cylinder parts
- Repair bearing seats
- Repair forms and patterns for casting plastic, glass and metal
- Hermetically seal radiators and air conditioning systems
- Add electrical conductive layers to materials
- Additive manufacturing and more

Materials

- Aluminium
- Zinc
- Copper
- Tin
- Nickel
- Babbit
- Gold
- Silver
- Platinum
- Mixtures of the mentioned materials

Compatible with

- PB95 Powder Feeder
- CKC-10 Linear system
- Robotic
- Watercooled nozzle system

Specifications

	Metric	Imperial
Maximum compressed air input pressure	9 bar	14.5 psi
Compressed air consumption	0.3 - 0.4 m3/min	10.6 - 14.1 Cu. ft/min
Compressed air input temperature	less than 40°C	less than 104 Fahrenheit
Compressed air purity	free of water and oil	
Compressed air operating pressure (inside Spraying gun DM45)	4 - 6 bar	58 - 116 psi
Compressed air operating temperature (in the input of the nozzle)	20 - 600 °C	68 - 1112 Fahrenheit
Power supply	One-phase alternate current of 50-60 Hz and 220 V (+ 20, -30 V)	
Maximum power consumption	3.3 kW	3.3kW
Time required for reaching an operating condition	no more than 20 seconds	
Powder consumption	Max 1,8 kg/hour	
Noise level in operation without shielded box	not exceed 95 dB	
Dimensions of the equipment: - Main Control Unit - Spraying gun (with handle); - Spraying gun (without handle);	550 x 1420 x 266 mm 550 x 560 x 266 mm 450 x 80 x 175 mm 450 x Ø 64 mm	21.6 x 55.9 x 10.4 inches 21.6 x 22.0 x 10.4 inches 17.7 x 3.1 x 6.9 inches 17.7 x Ø 2.5 inches
Total mass of the equipment Spraying gun (with handle)	57 kg 1,7 kg	125 lbs 3.7 lbs
Operation:	Handheld and Robotic	



Conditions apply – visit titomic.com/disclaimer for further information.