

SPECIFICATIONS: FILM COATING

SELECT COAT® FILM COATER PRECISE NON-ATOMIZED CONFORMAL COATING APPLICATION

The Nordson Select Coat non-atomized film coater, provides automated, selective application of conformal coating materials with viscosities of less than 100 centipoise.

Achievable coating thicknesses range from 0.5 to 8 mils for solvent based materials and 4 to 8 mils for 100-percent solids materials.

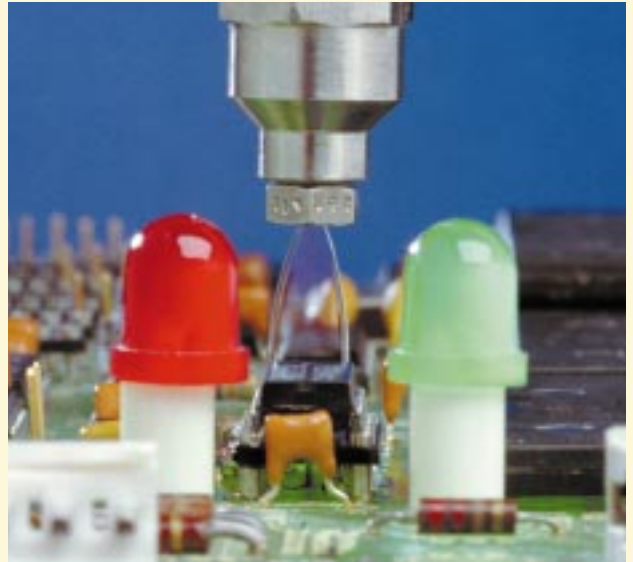
With transfer efficiency in excess of 99 percent, the film coater lets manufacturers improve material utilization by 30 to 50 percent. Because the conformal coating material is not atomized, overspray, masking, and rework associated with conventional conformal coating processes is minimized.

Using patented dispensing technology; the film coater applies conformal coating material in a controlled, uniform film rather than an atomized spray. Material is directed under low pressure through the dispenser and a patented dispensing nozzle. Material is applied to the circuit board prior to the point of atomization.

A variety of nozzles are available to dispense film pattern widths from 0.25 to 0.75 inch (6.35 to 19.05 mm). Each delivers excellent edge definition with a tolerance of $\pm .030$ inches (.762 mm).



Five-axis coating head



FEATURES

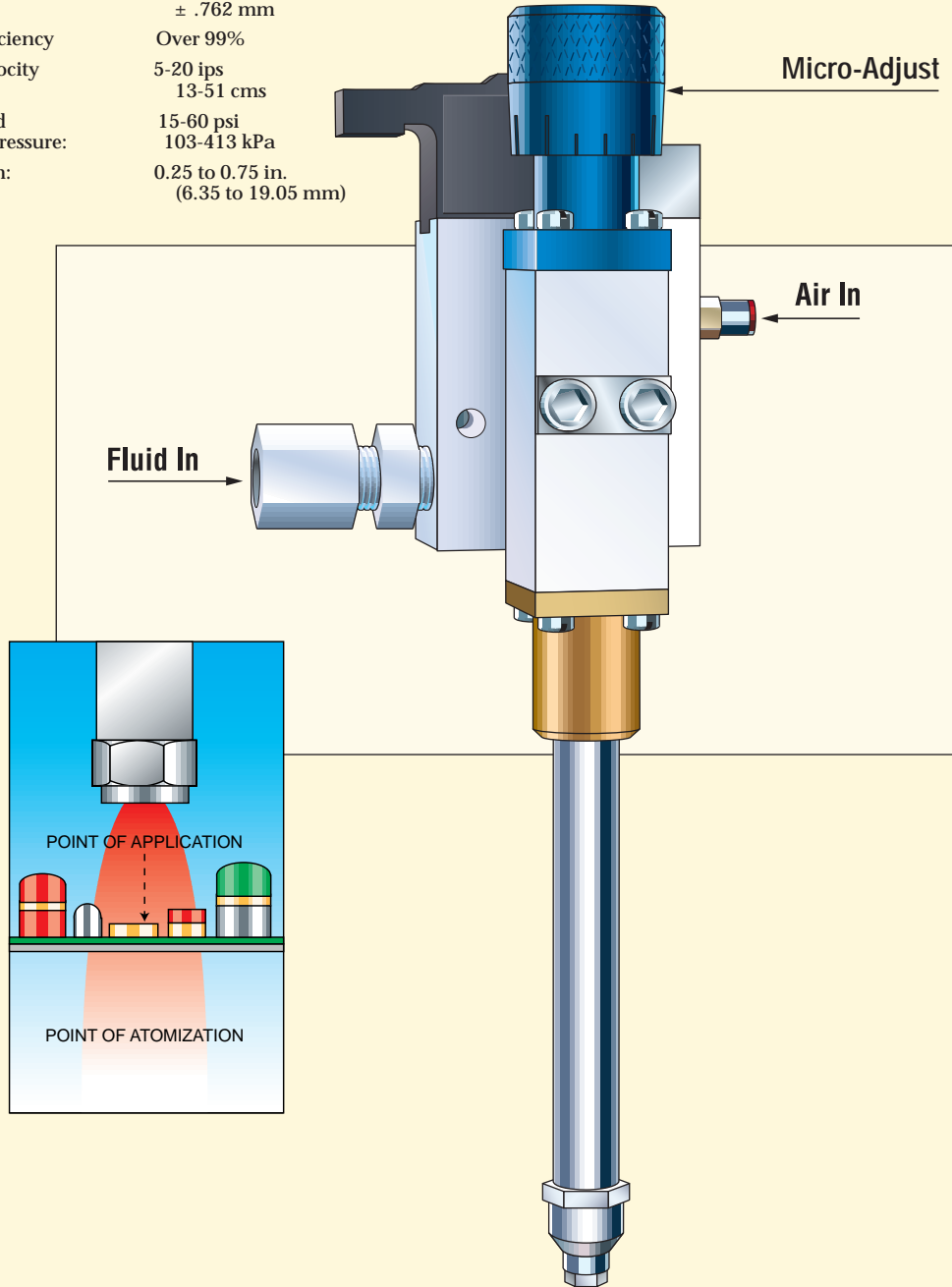
- **Better than 99 percent transfer efficiency, results in improved material utilization, less waste and reduced costs.**
- **Virtually eliminates masking through precise, selective material application.**
- **Coats even complex circuit boards in seconds.**
- **Reduces VOC emissions through use of a non-atomized application process and an enclosed, ventilated system.**
- **Easily integrates with Nordson Select Coat and Century® conformal coating systems.**

Five-axis coating head capability allows coating of tops, sides and underneath components.



NON-ATOMIZED FILM COATER SPECIFICATIONS

Film pattern width	0.25 to 0.75 in. 6.35 to 19.05 mm
Masking required	No
Material viscosity	Under 100 cps
Application thickness (mils)	0.50 to 8 mils
Edge tolerance	± .030 in. ± .762 mm
Transfer efficiency	Over 99%
Coating velocity	5-20 ips 13-51 cms
Typical Fluid Dispense Pressure:	15-60 psi 103-413 kPa
Pattern Width:	0.25 to 0.75 in. (6.35 to 19.05 mm)



Nordson Corporation is pleased to offer worldwide sales and service support through an integrated network of regional offices. Please contact these locations for the name of your local representative.

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