

Series AD-41

Handguns and Hoses

Ergonomic handguns increase adhesive application flexibility options and reduce operator fatigue.



AD-41 Handgun with wide-pattern spray adapter/nozzle

Nordson AD-41 handguns meet a wide range of hot melt adhesive application needs with quick-connect nozzle adapters and easy angle orientations to produce bead, swirl and spray patterns.

The handgun's internal RTD (resistance temperature detector) provides consistent adhesive temperature and flow during continuous or intermittent operation. Operating temperatures ranging from 130° to 450°F (55° to 230°C) can be selected to accommodate a wide variety of adhesive and substrate properties.

Dual-ground paths protect the operator from injury and equipment from damage. Electrical connections use make-first break-last ground pins to prevent power up of the hose or handgun without a grounded connection.

AD-41 handguns and hoses stand up to demanding bonding and sealing applications. Durable hose connectors, nozzle adapters and internal components provide long service life.

- **Balanced handgrip and 360-degree swivel** minimize operator fatigue and promote accurate dispensing at any angle.
- **Easy adhesive pattern changes**, including top-feed, bottom-feed and down-apply extruded bead and spray patterns.
- **Ever-cool handle** promotes comfort and reduces burn risk by enclosing heated components and flow paths within the gun body, not the handle.
- **Thumb safety switch** helps prevent accidental dispensing.
- **Optional air control kit** simultaneously manages on-off air flow and adhesive flow for exceptional swirl or spray pattern control and repeatability.
- **Select Series™ AD-41-H Series guns** and hoses are also compatible with Proflex® melt units from Hot Melt Technologies, Inc.

Series Ad-41 Handguns and Hoses



Top-feed extrusion handgun



Handgun with down-apply extrusion nozzle



Top-feed handgun with swirl adapter and hose

Specifications

Maximum Operating Temperature	450° F (230° C)
Maximum Hydraulic Pressure	1500 psi (103 bar)
Electrical Requirements	115 VAC, 50/60 Hz 230 VAC, 50/60 Hz

Handgun Dimensions

Length	7.38 in (187.5 mm)
Depth (w/o nozzle)	6.31 in (160.3 mm)
Width	1.62 in (41.1 mm)
Weight	1.4 lb (635 g)

Extrusion Nozzle Orifice Diameters*

Standard	0.020, 0.030, 0.040, 0.050, 0.060, 0.090 in. (0.51, 0.76, 1.02, 1.27, 1.52, 2.29 mm)
Extended	0.042, 0.061, 0.090, 0.130 in. (1.07, 1.55, 2.29, 3.30 mm)

Optional Pattern Adapters

Swirl Adapter and Down-Apply Swirl Adapter*	Accepts swirl nozzles
Down-Apply Extrusion Adapter*	Accepts extrusion nozzles
Wide-Spray Adapter/Nozzle	Complete adapter/nozzle combination

Available Hoses	8, 12, 16 ft (2.4, 3.6, 5.0 m)
	5/16 in diameter



Handgun end of hose has one cordset. Melter end has standard cordset to melter, and second cordset for optional air control kit for swirl and spray patterns.

For more information, speak with your Nordson representative or contact your Nordson regional office.

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