

EX Extruder System

Extruder systems for hot melt applications requiring the highest precision and performance with regard to temperatures and pressures

Nordson EX extruders:

- Deliver a customized system solution
- Are virtually maintenance-free
- Provide key-to-line interaction with parent machine
- Are closed systems - no exposure of molten adhesive to ambient air
- Provide the shortest heating time possible
- Deliver the lowest possible thermal stress on adhesive; adhesive is melted and delivered as needed

High-precision
metering pumps
and servo drives

ChemCoat[®] coated
hopper for easy
cleaning



Extruders are commonly used for applications where polyamide or polyester based adhesives are processed. These adhesives need a closed system to avoid degradation of the adhesive through carbonization and to provide a safe, reliable application process.

Nordson extruders offer the fastest, easiest adhesive changes possible without time- and cost-intensive cleaning procedures.

EX extruder systems can also be equipped with Nordson's Ultra FoamMix[®] unit. The Ultra FoamMix process offers dramatic reduction of adhesive

consumption, up to 50%, while maintaining or improving the bonding performance of the adhesive. Please refer to separate Ultra FoamMix documentation for additional information.

Nordson EX extruder systems can be customized to specific application requirements up to full integration into production lines. The system can be equipped with various standard fieldbus communication interfaces.



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Specifications

Melt Rate ¹	3 - 250 kg/hr (7-551 lb/hr)
Operating Temperature Range	20-250°C (68- 482°F)
Hydraulic Pressure	0-100 bar (0-1,450 psi)
Electrical Connection	3x 400 V +N+PE /50-60Hz (Trafo optional)
Control System	Siemens S7 with touch panel (5.7 in. or 10.4 in.)
Pump Station ²	Pump stations are equipped with high-precision metering pumps for the most demanding applications.
Temperature Sensors	PT 100 or Ni 120
Heated Zones	Extruder, hose, applicator

¹Screw geometry is specifically optimized for the required throughput and material.

²Pump stations can be flanged to extruder output or alternatively as "satellite" version with hose between extruder and pump station.

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Siemens is a registered trademark of Siemens. AG.



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

United States

Duluth, Georgia
(800) 683-2314 Phone
(866) 667-3329 Fax

Canada

Markham, Ontario
(800) 463-3200 Phone
(905) 475-8821 Fax

Europe

Erkrath, Germany
(49) 211-9205-0 Phone
(49) 211-254658 Fax

Japan

Tokyo, Japan
(81) 3-5762-2700 Phone
(81) 3-5762-2701 Fax

Asia/Australia/

Latin America

Amherst, Ohio
(440) 985-4797 Phone
(440) 985-1096 Fax

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