

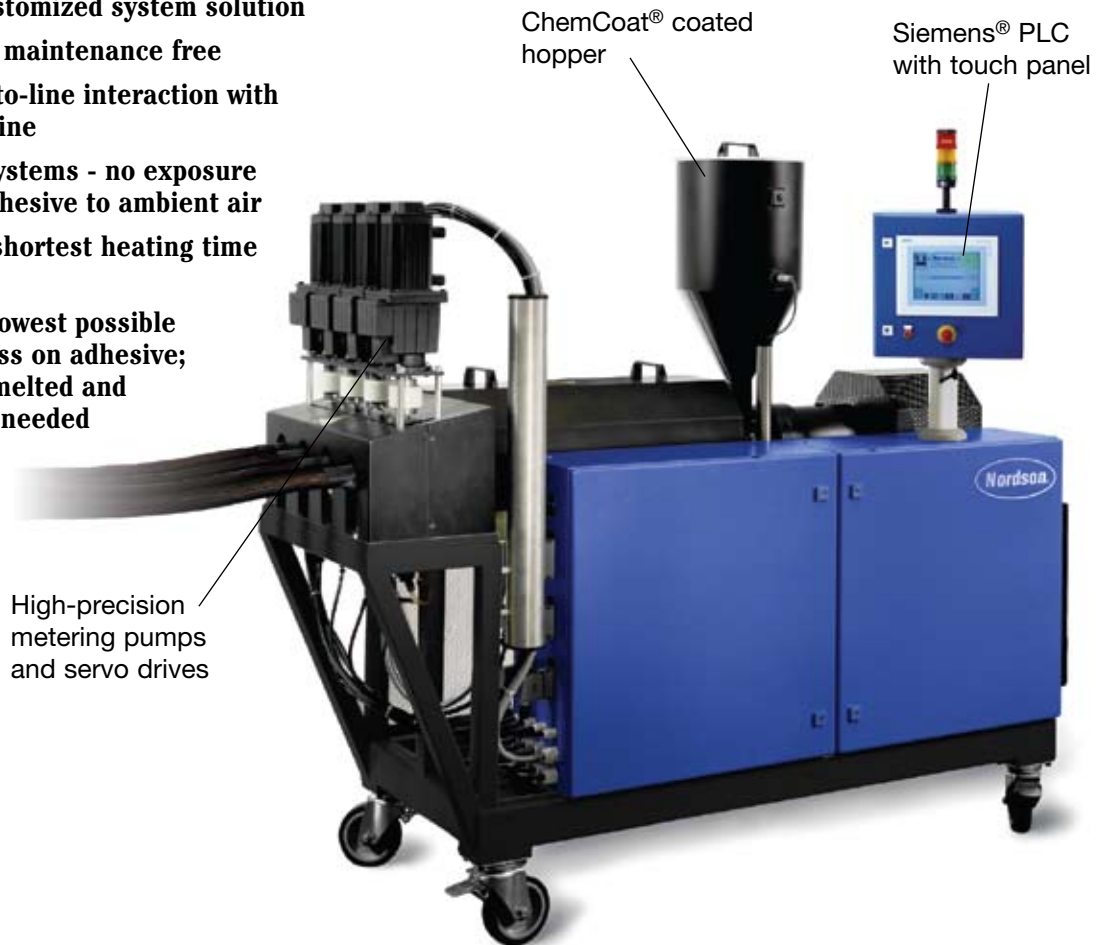
EX Hot Melt Adhesive Extruder System



Extruder systems for 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



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.



EX extruder system with Ultra FoamMix unit



"Satellite" pump station with high-precision metering pumps and servo drives



Siemens SPS with visual display of operating data and optional record of process data

Specifications

Melt Rate¹	3 - 2500 kg/hr (7-5512 lb/hr)
Operating Temperature Range	20-300°C (68- 572°F)
Hydraulic Pressure	0-700 bar (0-10,150 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	Pump stations are equipped with high-precision metering pumps for the most demanding applications. Pumps can be flanged to extruder output or alternatively as "satellite" version with hose between extruder and pump station.
Temperature Sensors	PT100 or Fe-CuNi
Heated Zones	Extruder, hose, gun

Notes:

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

ChemCoat is a registered trademark of Impreglon GmbH.

Siemens is a registered trademark of Siemens. AG.



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