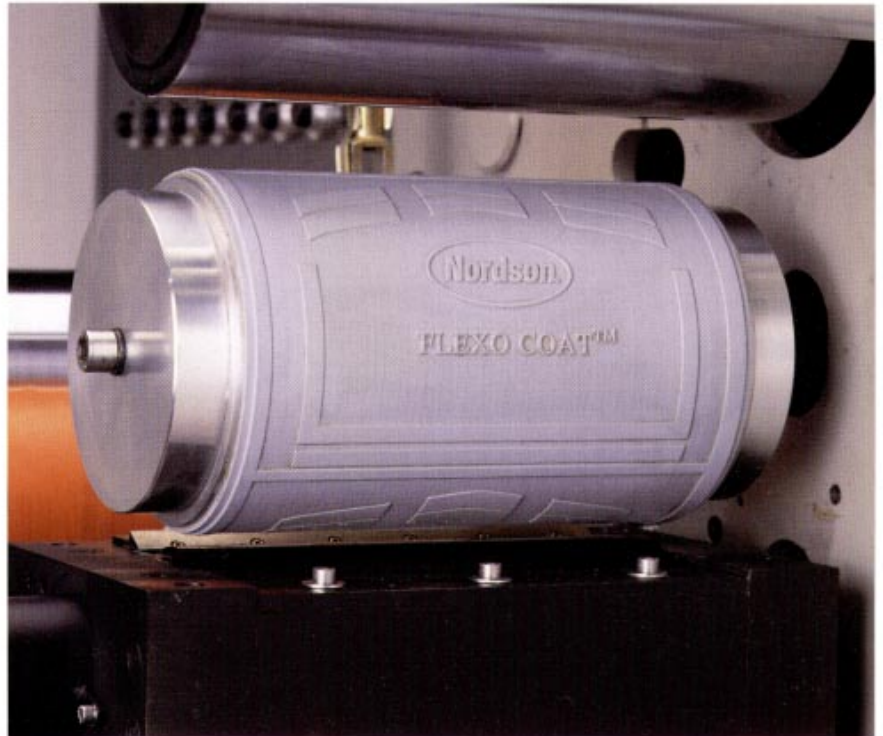




FLEX-O-COAT® Hot Melt Application System

The FLEX-O-COAT hot melt system delivers flexibility and ease of operation for special label applications.



Label makers can expand their product capabilities and profit opportunities by using the Nordson FLEX-O-COAT system to produce special labels in-house.

With FLEX-O-COAT, label makers can combine a wide variety of face stocks, release liners and adhesives to produce application-specific labels, making special orders easy to accommodate.

The Nordson system combines defined adhesive placement and web handling into a single module which easily retrofits into most roll fed printing presses and web handling equipment.

Design Principle

The FLEX-O-COAT technology is suitable for the application of hot melts in a wide range of patterns. It consists of a special hot melt application wheel, a heated FLEX-O-COAT transfer wheel and a nip roll. The temperatures are precisely

adjusted via a microprocessor-based temperature controller. These temperature controllers combined with the special design of the components allow for high application precision and production safety.

The FLEX-O-COAT system is fed by a Meltex® hot melt applicator. The feed rate of the application wheel is adjusted automatically via a level control.

Quick Adhesive Pattern Changeover

FLEX-O-COAT makes coating pattern changes quick and easy. Pattern changes are accomplished using sleeve technology or siliconized rubber roll. The FLEX-O-COAT system is designed to accommodate multiple circumferences in order to provide the converter with a

variety of repeat lengths based on individual application need.

Optional DC Drive Package

The FLEX-O-COAT transfer roll can be driven with an optional DC drive package available in a variety of sizes and horsepower ratings.

Benefits

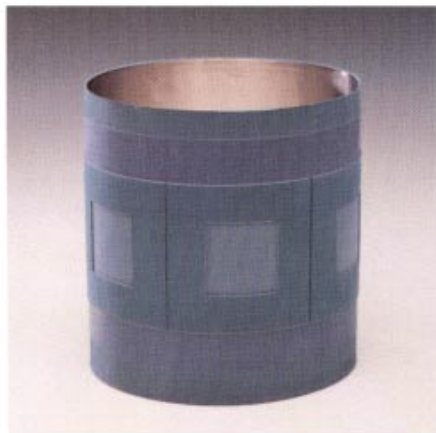
Printing press

- Requires same dimension as printing station.
- Dimensions of printing press remain unchanged.
- Maintains ideal paper flow through the adhesive station.

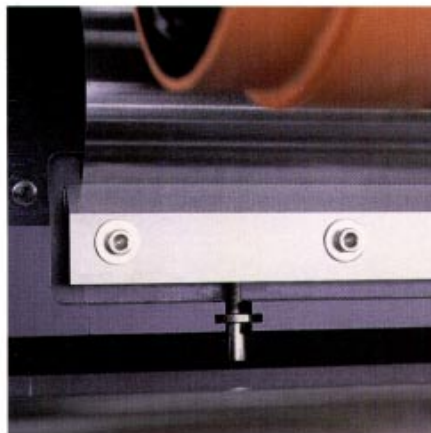
For the user:

- Identical procedure to printing process.
- Variety of repeat lengths due to quick and easy exchange of FLEX-O-COAT transfer wheel.

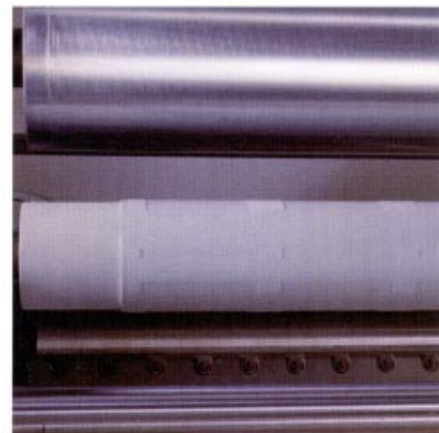
FLEX-O-COAT Hot Melt Application System



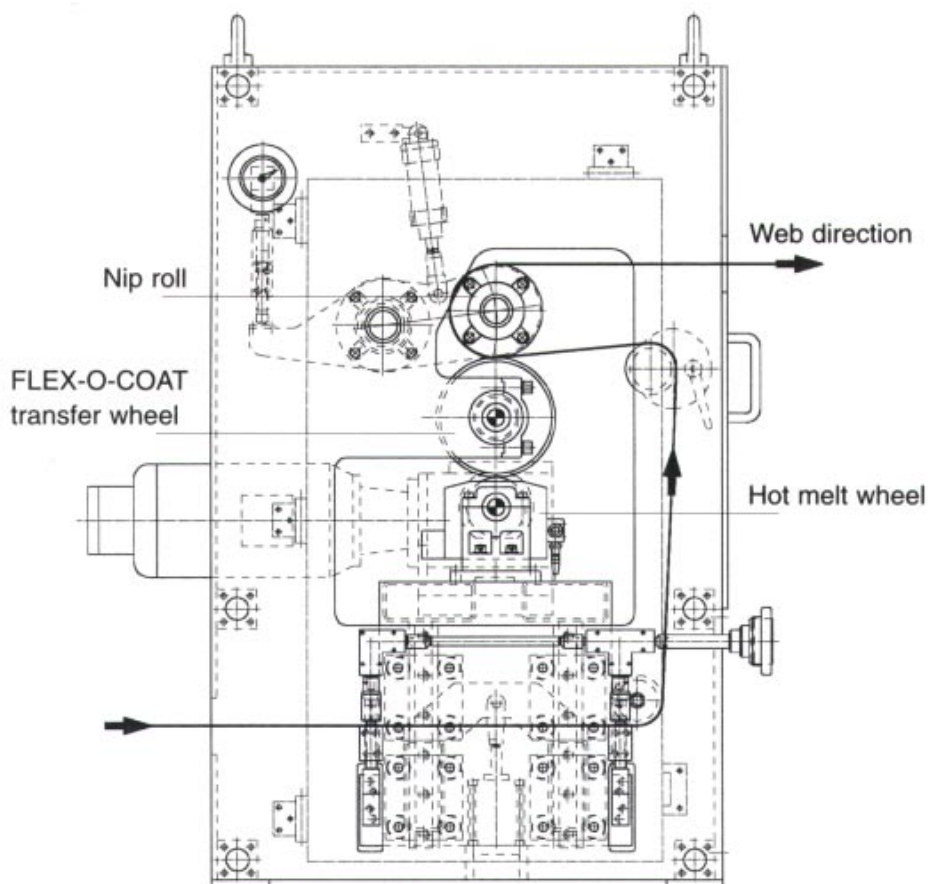
FLEX-O-COAT sleeve up to approx. 200 mm (8 in.) width



Doctor blade with adjustment to regulate glue volume



Hot melt wheel with FLEX-O-COAT wheel up to approx. 1,000 mm (39.3 in.) width.



Technical Data

Application Width

30 - 1,000 mm (1.2 - 39.3 in.)

Hot Melt Wheel Diameter

50 - 150 mm (2 - 5.9 in.)

Diameter of FLEX-O-COAT Transfer Wheel

150 - 300 mm (5.9 - 11.8 in.)

Maximum Speed *

Up to 150 m/min (490 ft./min)

Dimensions

Depends on application requirements.

Operating Voltage

240 V / 400 V

* Depends on substrate and hot melt.

U.S.A.

Nordson Corporation
Coating/Converting Business Group
2905 Pacific Drive
Norcross, GA 30071
Tel. (770) 368-1896
(800) 727-7224
Fax: (770) 246-9271

Europe

Nordson Engineering GmbH
Coating/Converting Business Group
Lilienthalstraße 6
21337 Lüneburg
Germany
Tel.: (49) 4131-894-0
Fax: (49) 4131-56314

Japan

Nordson K.K.
5-21 Katsushiwa 1-chome
Shinagawa-ku
Tokyo 140
Tel.: (81) 3-5762 2731
Fax: (81) 3-5762 2720

