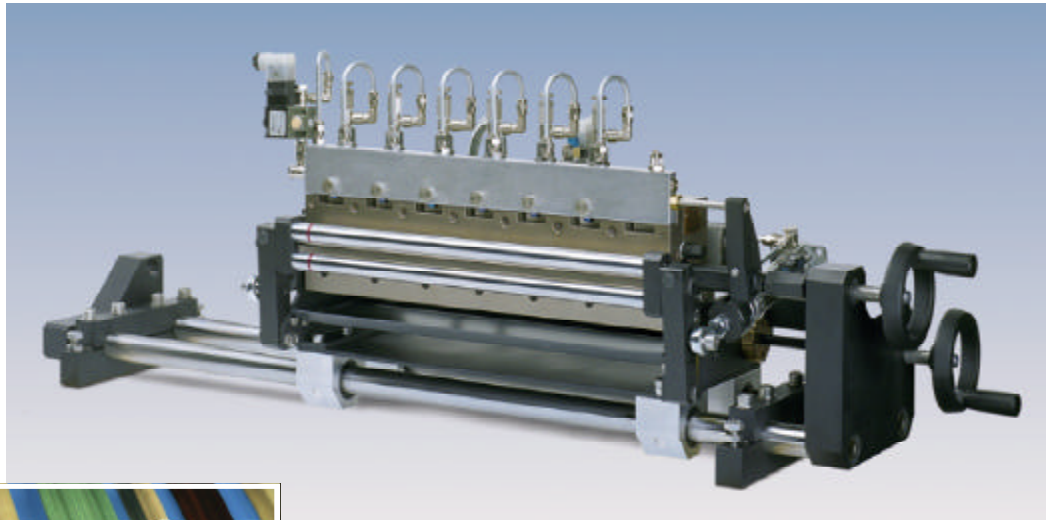


PW Series Profile Wrapping Application Head



Hot melt application system for the wood-working industry for high quality, cost efficient adhesive coatings in profile wrapping applications



For many years Nordson adhesive application systems have been used successfully in different industries. With the development of the PW series application heads, this experience is now also available to the woodworking industry for profile wrapping applications.

Application heads of the PW series are especially suitable to coat foils and veneer with hot melt adhesives which are applied onto profiles of different shapes and materials. Coating width and the position of the head to the substrate can be changed fast and easily, even during production.

The PW technology offers significant advantages over traditional roller coating systems. As a closed adhesive system, consisting of the PW head, a hot melt applicator or drum melter and a heated hose, it is well suited to process demanding polyurethane (PUR) hot melt adhesives - but also all other hot melt adhesive types. Moisture or contaminants are kept out of the system. This ensures high bonding quality and reduces the amount of cleaning significantly.

The outstanding process control with precise metering of the adhesive and the accurate control of the adhesive temperature allows major adhesive savings. Profiles with consistently high quality are the result.

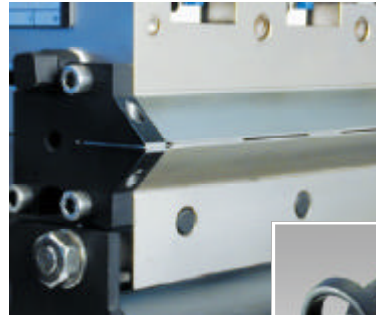
Features and Benefits

- Adhesive savings due to the precise, microprocessor controlled application temperature of the adhesive and the fine metering of the adhesive quantity by gear pumps.
- Consistently high product quality due to constant coating conditions with full process control.
- Even coatings without build-up of adhesive on the edges of the substrate.
- Closed design of the adhesive system protects the adhesive from contaminants and moisture.
- A back-up roller ensures precise guiding of the substrate to the nozzle.
- Simple adjustment of the coating width from 5 mm / 0.2 in to the max. coating width. PW heads are available in standard widths with max. 200, 350, 400, 500, 650 or 800 mm / 7.9, 13.8, 15.8, 19.7, 25.6 or 31.5 in.
- The coating width can be adjusted – even during production.
- Fast cleaning and simple maintenance help to reduce operating costs.
- The Nordson coating weight control unit (optional) makes the adjustment and change of coating weights fast and simple.

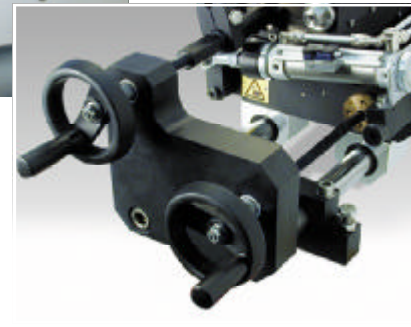
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At production stops, the back-up roller automatically removes the foil from the nozzle and to protect it from heat damages.



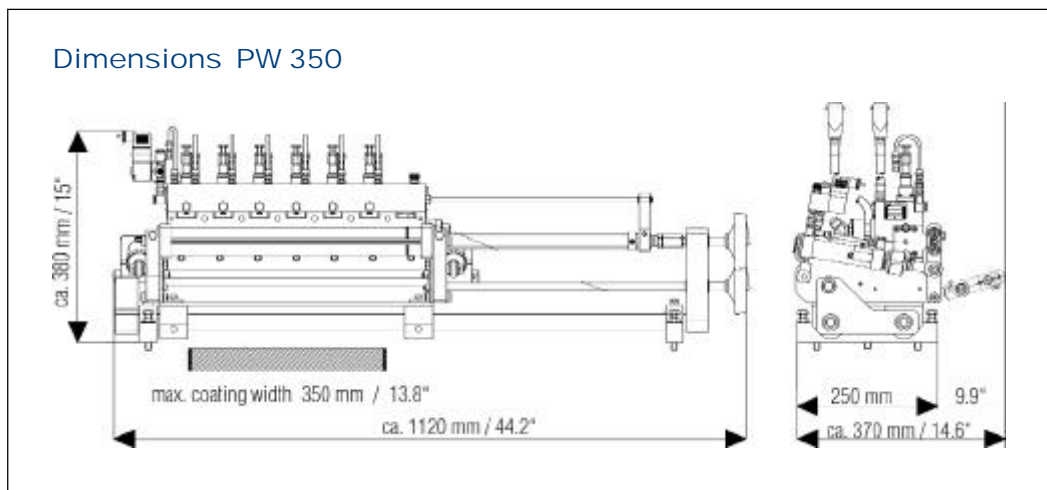
The coating widths can be adjusted easily.



The coating width and head position is adjustable.

Technical Specifications Example PW 350

Operating temperature	max. 200 °C / 392 °F (optional up to 250 °C / 482 °F)
Adhesive pressure	max. 7 MPa / 70 bar / 1016 psi
Coating width*	5 to 350 mm / 0.2 to 13.8 in
Control air pressure	0.6 MPa / 6 bar / 87 psi
Operating voltage	230 V _{AC}
Control voltage	24 V _{DC}
Power consumption	1765 W
Weight	approx. 90 kg / 200 lb
* Standard widths	max. 200, 350, 400, 500, 650 or 800 mm / 7.9, 13.8, 15.8, 19.7, 25.6 or 31.5 in



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