

AutoEndure™

PREMIUM-QUALITY HEATED HOSE, OPTIMIZED FOR AUTOMOTIVE AND INDUSTRIAL ROBOT APPLICATIONS WITH HIGH DYNAMIC MOVEMENT. THIS HIGHLY FLEXIBLE ROBOT HOSE FEATURES HIGH ROBUSTNESS AND LIFETIME MAXIMIZING THE PERFORMANCE OF THE ENTIRE HOT MELT SYSTEM.

DURABILITY

Special outer corrugated hose and protective element, preserving the inner temperature sensor, extending hose lifetime.



VERSATILITY

Suitable for all applications using the hose directly on industrial robots.

PERFORMANCE

Platinum RTD temperature sensors ensures perfect temperature control improving adhesive flow and end-product quality.

AUTOENDURE™

The AutoEndure™ heated hose series is optimized for Automotive applications using the hose directly on industrial robots. Due to its special outer corrugated hose and protective element, preserving the inner temperature sensor, AutoEndure™ is perfectly tailored to the heavy dynamic load and movement caused by the robot. The robust hose design increases process reliability, on-time and hose lifetime.

FEATURES

- Optimized outer corrugated hose and protective element preserving the inner temperature sensor
- Resistant to heavy dynamic load and movement caused by industrial robots
- Durable to high temperatures and high pressures

TECHNICAL DATA

Length min / max	2.4 - 8.5 m (8 - 28 feet)
Nominal diameter min. / max.	DN 10 (ID .5" / 12.7 mm)
Temperature Sensor	100 Ohm Platinum RTD
Operating Temperature max.	220 °C (428 °F)
Operating Pressure max. according to nominal diameter	140 bar (2.030 psi) at 200 °C (392 °F)
Burst Pressure max. according to nominal diameter	700 bar (10.152 psi)
Supply Voltage	230 VAC - 400 VAC

LOCATIONS

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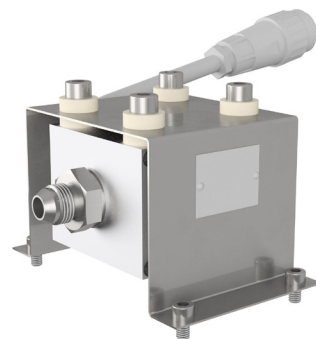
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ADVANCED AUTOMOTIVE ROBOT HOSE SOLUTIONS

AUTOCONNECT™

ITW Dynatec's AutoConnect™ is a heated hose-connection-device allowing to divide the hose going from the ASU to the applicator, up into two hoses. The part of the hose, which is frequently moved on a robot, is exposed to increased wear, what typically causes a shorter lifetime. Through splitting the long hose into a stationary and a movable hose allows just to replace the robot hose which is worn more frequently while keeping the stationary hose, which is more favorable than exchanging the whole hose.



AUTOPURGE™

The AutoPurge™ is a heated ball valve allowing to easily switch between adhesive and cleaner liquid supply to the pump station and applicator. The cleaner liquid will be used to flush the system partially previous to longer production stops, when using reactive PUR adhesive. The AutoPurge™ heated ball valve is available in a manual and pneumatic activated version. The pneumatic version allows a completely automated flushing process.

