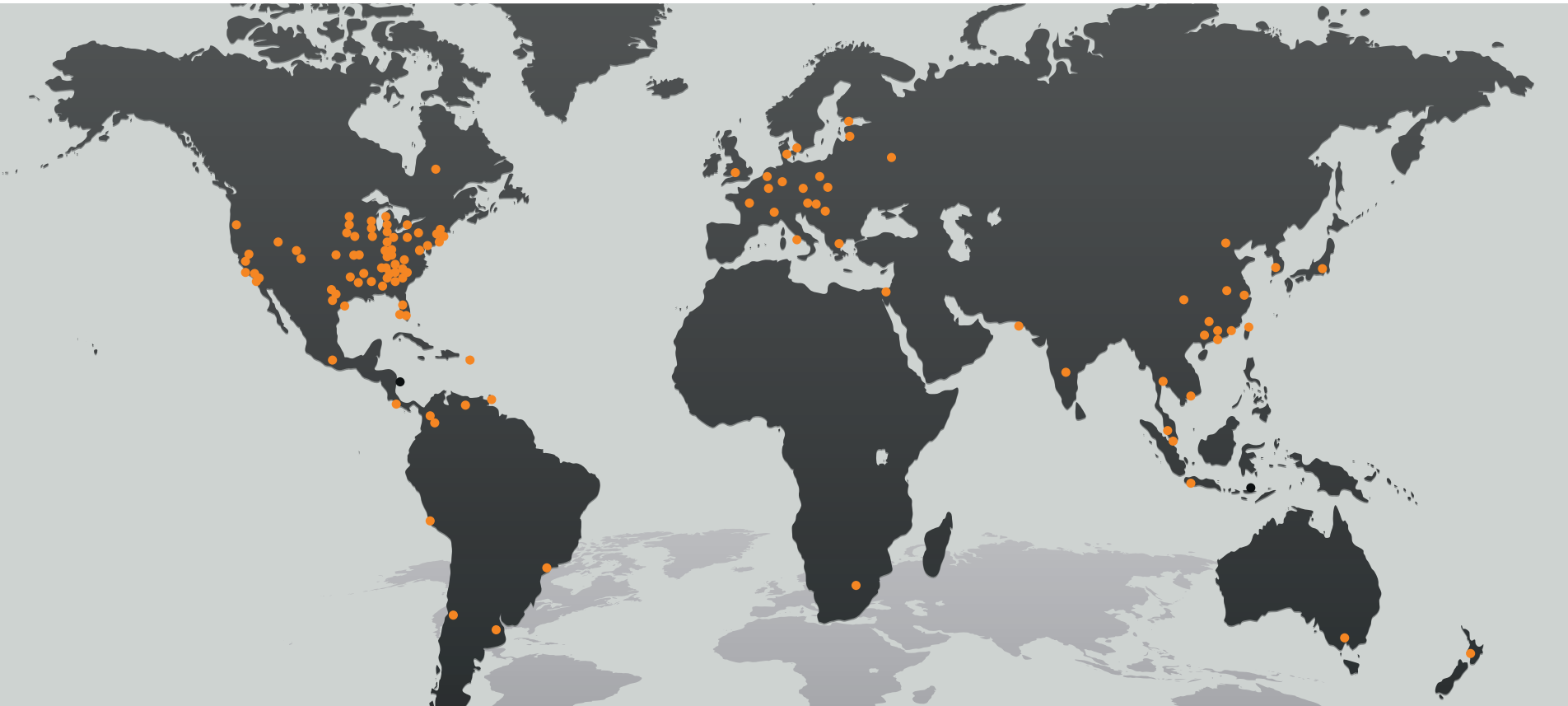




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# **DRIVING THE FUTURE OF AUTOMOTIVE INTERIOR INNOVATION**

ITW Dynatec – your strategic partner for  
hot melt application solutions



# ITW AUTOMOTIVE PRODUCTS AND SOLUTIONS ARE AT WORK ALL OVER THE WORLD

## RICH AUTOMOTIVE HERITAGE

ITW – ONE OF THE WORLD'S LEADING DIVERSIFIED MANUFACTURERS FOR OVER 100 YEARS

- Operations in 55 countries with a significant presence in developed as well as emerging markets.
- Employs more than 48,000 women and men who adhere to the highest ethical standards
- Broad portfolio of more than 17,000 granted and pending patents.
- ITW hot melt systems, fasteners, snap-in door handles, powertrain and refueling systems make your vehicles more road-worthy and affordable
- Deep market knowledge and strong manufacturing capabilities allow ITW's automotive businesses to be nimble, niche problem solvers for our sophisticated customers.

## INDUSTRY-LEADING AUTOMOTIVE HOT MELT BONDING SOLUTIONS

EXPERT KNOWLEDGE TO DRIVE THE RIGHT SOLUTION

- ITW Dynatec has been the innovation leader in precision hot melt adhesive solutions for over 50 years
- More than 150 adhesive application system patents
- Automotive Hot Melt Design Center of Excellence located in Mettmann, Germany

GLOBAL NETWORK AND ADDED VALUE SERVICE OFFERING

- Sales and service network in over 120 countries
- System TCO and line optimizations
- Custom engineered solutions for the most complex applications







# UNLEASH INTERIOR DESIGN INNOVATION

MAXIMIZE QUALITY AND FLEXIBILITY  
IN YOUR DESIGN AND BONDING PROCESSES  
WITH AUTOMOTIVE HOT MELT APPLICATION TECHNOLOGY  
FROM ITW DYNATEC



## IMPROVE END PRODUCT QUALITY

- Volumetric flow control ensures even glue distribution for maximum bonding
- Reduces read-through with Fiberized Spray Technology
- Achieves precise edge definition



## BOOST MANUFACTURING PROCESS EFFICIENCY

- Optimized nozzle geometry decreases plugging resulting in up to 35% additional uptime
- Innovative orifice design reduces contamination and cleaning process
- Zero-waste melter eliminates downtime needed for an adhesive fill



## INCREASE INTERIOR DESIGN FLEXIBILITY

- Limitless pattern possibilities for 2D and 3D applications
- Enables wider selection of raw material options



DOOR PANEL



INSTRUMENT PANEL



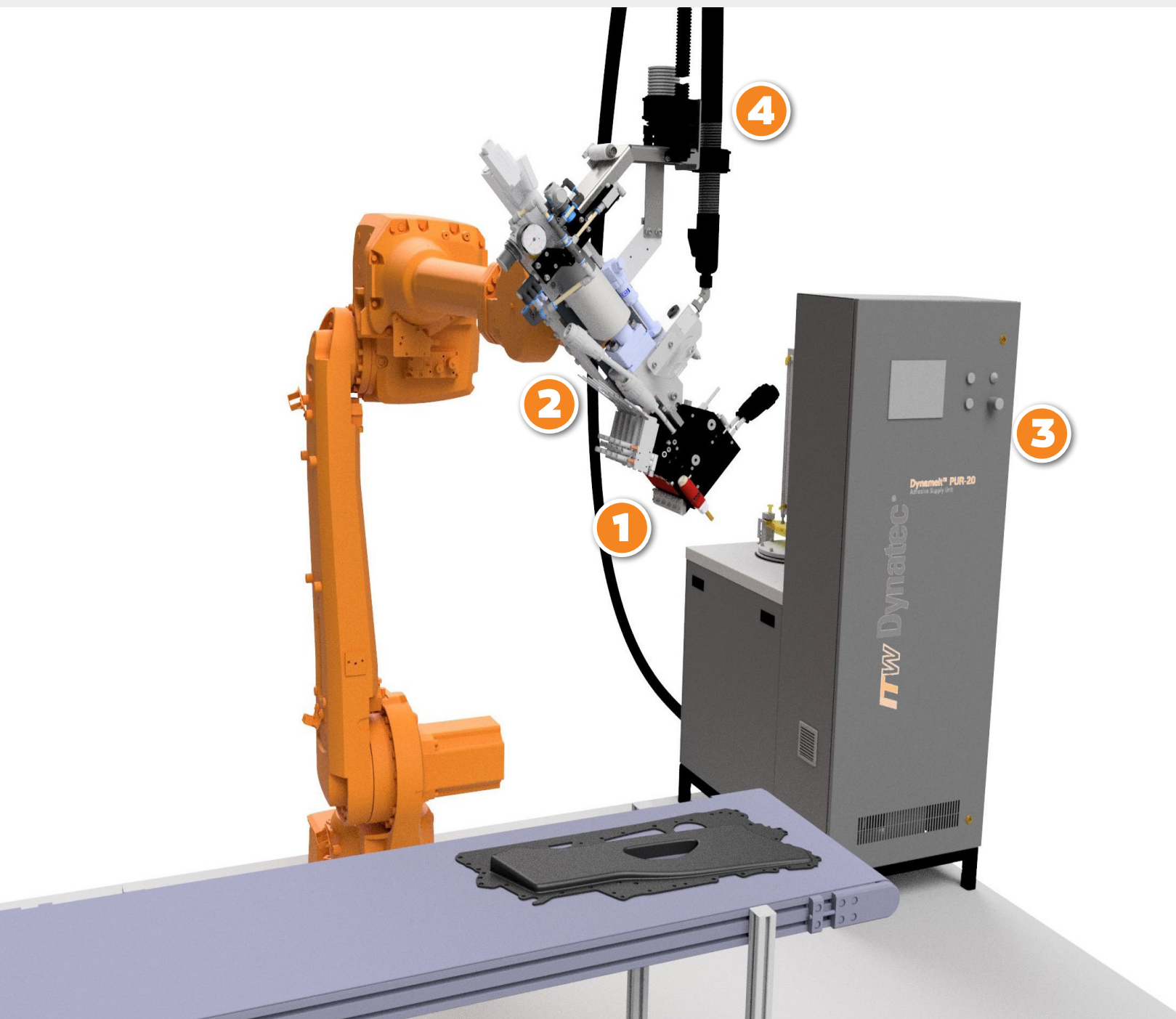
MIDDLE CONSOLE

... AND MANY MORE!



# NEW! AUTO INTERIOR HOT MELT SYSTEM

# AUTO SYSTEM'S SPECIAL COMPONENTS



**1 AutoElite™ Nozzle**  
Reduces Read-through vs traditional Spiral Spray for enhanced quality and aesthetics



**2 AutoSupply™ Applicator**  
Repeatable application accuracy and quality



**3 Dynamelt™ PUR Bag Melter**  
The most precise, modular design for successful PUR applications



**4 AutoEndure™ Robot Hose**  
Durable construction that drives hot melt temperature consistency



# Auto Interior System Technical Data

## AutoElite™

Active Fluid Streams	2 to 8 streams
Fluid Orifice Size	.016" x .012" (0.4 x 0.3 mm)
Production Speed Capability*	Continuous or Intermittent Automotive typically max. 400mm/s
Coating Width (per nozzle)	Full pattern: 25 mm 1/2 pattern: 13 mm 1/4 pattern: 6.5 mm
Nozzle to Substrate Distance	40 - 100 mm
Adhesive Viscosity	Up to 30,000 cps

## AutoSupply™

Gear pump	2.4 or 4.5 ccm/rev
Motor	Servo motor compact 0.38kW
Temperature Sensor	100 Ohm Platinum RTD
Operating Temperature range	38 °C to 200 °C (100 °F to 392 °F)
Operating Pressure maximum	68 bar (1000 psi)
Heat-up time with UFD Applicator	20 minutes for cold start*
Supply Voltage	230 VAC - 400 VAC
Weight with UFD Applicator	Approx. 19 kg
Dimensions (W x D x H) with UFD Applicator	305 x 168 x 720 mm

## Dynamelt™ PUR BAG MELTER

Hopper Capacity / Bag Size	1 kg (2.2 lbs) / 18 kg (40.7 lbs)
Guiding tube diameter	EU: 282 mm US / Japan: 288 mm
Operating temperature max.	190 °C (374 °F)
Viscosity range	500 to 50,000 cps
Melt rate	25 kg/hr (55 lb/h)*
Gear pump sizes	1.2 to 20 ccm/rev
Number of gear pump per unit	1 single pump
Max. working hydraulic pressure	85 bar (1233 PSI)
Supply voltage	230 VAC 3ph 50/60 Hz 400 VAC 3ph Y 50/60 Hz
Height	152 cm (60 in)
Depth	105 cm (41.3 in)
Width	64 cm (25.2 in)

\*In function of adhesive type and viscosity

## AutoEndure™

Length min. / max.	2.4 - 8.5 m (8 - 28 feet)
Nominal diameter min. / max.	DN 10 (ID .39" / 10 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)
Supply Voltage	230 VAC - 400 VAC

## Upgrade Options

### AutoConnect™

Heated hose connection device that splits the adhesive supply hose into one stationary and one flexible hose.



### AutoEdge™

Allows edge folding and decor lamination applications with the same glue head.



Explore the broader ITW Dynatec product portfolio at [itwdynatec.com](http://itwdynatec.com)

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