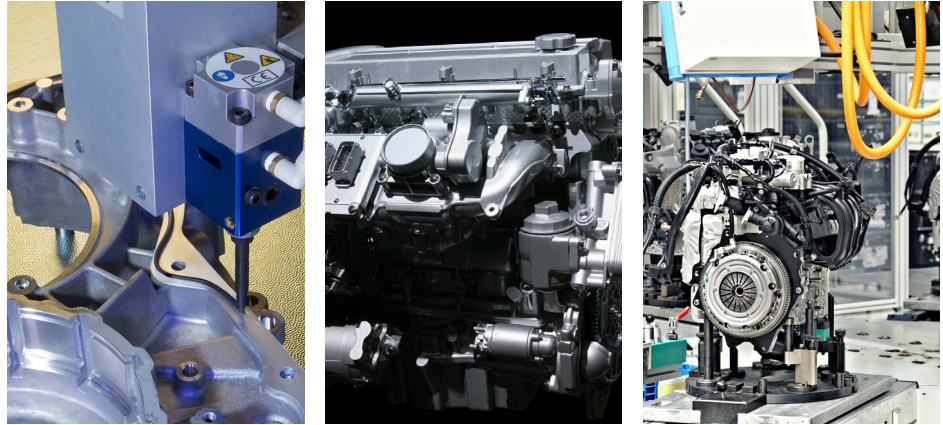


Nordson helps a China JV improve quality

A Chinese joint venture between three automotive OEM's chooses Nordson dispensing technology to improve its quality and increase its flexibility to manufacture multiple end products.



An automotive manufacturing company with headquarters in China was set to begin operating an all-new powertrain line. The company is a joint venture between a China domestic auto manufacturer and 2 international partners.

In April 2005 it was announced that the China factory would begin assembling a new compact car, or C-segment car, for the American automaker. That same year, a new assembly plant was built in Nanjing, China that was capable of producing 350,000 units annually.

Paving the Way to Success

During the introduction of the new compact car, the manufacturing company was in search of a way to accelerate the production process. Nordson Corporation offered the ideal solution to their needs.

The manufacturer wanted to replace the current manual adhesive system, which was performing poorly with inconsistent application on the new production line. After considering several sealant dispensing vendors and possible solutions to their problem, the manufacturer decided that Nordson's Pro-Meter® S system with Process Sentry™ controller and dual Rhino® pumps best fit their new application needs.

Technical Requirements

Product	Compact car engine
Material	Loctite silicone
Mounting	Robot
Speed	400mm/s Over 800 EA/shift
Width/height	5mm/3mm +/- 1mm

The manufacturer's previous adhesive equipment controlled flow rate based on robot speed, which was affected each time the pump changed direction. Often, the nozzle would become blocked by cured material. The manufacturer opted for the better-performing Nordson® Pro-Meter® S15 with Zero Cavity Auto-Flo™ dispensing gun.

Nordson's Zero Cavity Auto-Flo provides clog-free operation, sharp cut-off and performance uniformity necessary on the production line. Close-tolerance matched needle-and-seat eliminates minute material pockets that could compromise the coating.

The Pro-Meter S series linear servo actuator and positive displacement meter provide accurate volume and flow rate control, regardless of changing material characteristics or robot speed.

Nordson Rhino XD2 pumps feature ScoreGuard® technology, a wear-resistant coating that provides superior perfor-

mance and toughness over coatings used in most wear applications.

The Process Sentry controller detects each part per volume and pressure fault, while also recording process data – part ID, actual and set point values and fault codes. It controls and monitors the dispensing system, pump system and optional T/C system throughout operation. Process Sentry controllers also offer a data logging capability for downloadable production records.

By choosing Nordson systems, the manufacturer was able to significantly improve the rate of production on their new line of compact cars. Nordson equipment offers the reliability and dependability that automotive makers need in their facilities.

For more information, contact Nordson at 800.433.9319 or visit www.nordson.com/automotive.

Nordson Corporation (Nasdaq: NDSN) is one of the world's leading producers of precision dispensing equipment that applies adhesives, sealants, liquid and powder coatings and other materials to a broad range of consumer and industrial products during manufacturing operations. The company also manufactures equipment used in the testing and inspection of electronic components as

well as technology-based systems for UV curing and surface treatment processes. Headquartered in Westlake, Ohio, Nordson has direct operations and sales support offices in more than 30 countries. Visit Nordson on the web at www.nordson.com, www.twitter.com/Nordson_Corp or www.facebook.com/Nordson.

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