



Graco Smart Dispense (GSD) Automated Platform



PROVEN QUALITY. LEADING TECHNOLOGY.



GSD Automated Platform

Enables reliable, efficient and automated electronics assembly

High-quality sealing, bonding, potting and thermal management technologies are the key for electronics to maximize their performance and safety. These manufacturing processes are key to ensuring the high performance and safety of automotive electronics.

Graco GSD automated platform meets your demands for dispensing single-component and two-component materials with low to high viscosities at different flow rates.



1 Integrated color touchscreen

- Visualizes dispensing information for users to easily set and manage various parameters



2 Visual recognition and positioning assists in dispensing programming

- 256 colors of light sources for different dispensing substrates



3 Multi-section independent control track

- Improves productivity



4 Dispensing workbench

- Available in different sizes
- Optional single or double slide tables (offline)



- **Convenient:** Visual recognition and positioning technology assists in dispensing programming
- **Controllable:** Real-time collection and monitoring of dispensing information for data visualization and control over process quality
- **Easy to integrate:** Supports integration into a Graco precise dispensing system, offering a one-stop solution
- **Multiple options:** Online and offline types, with multiple workbench size options, automatic and manual modes to meet various production needs
- **CE certified**



Applications



Bonding



Sealing



Potting



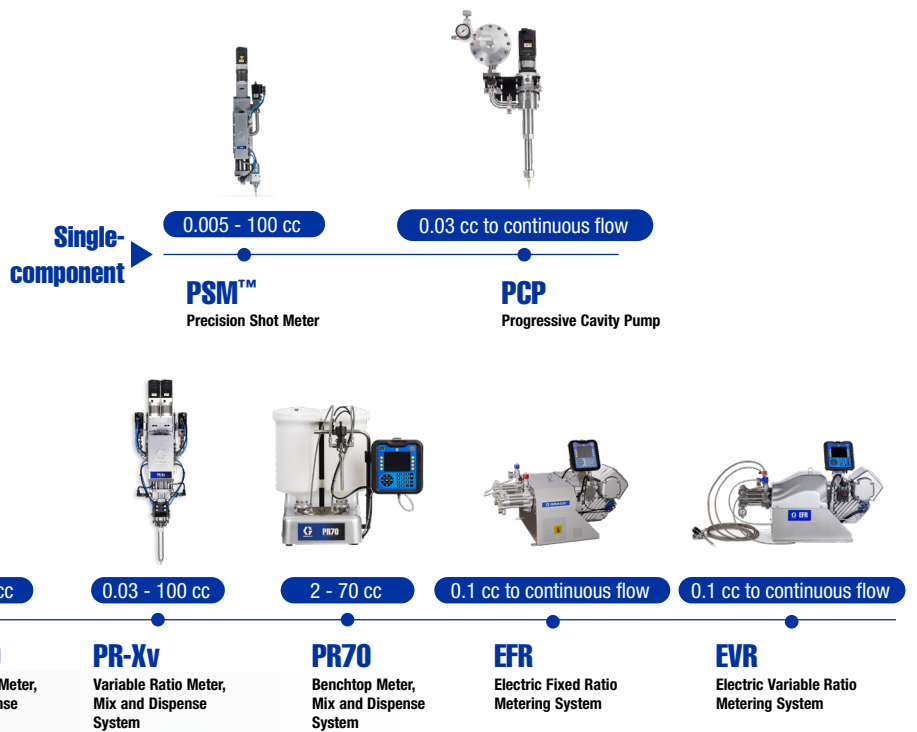
Thermal management

GSD - Compatible equipments

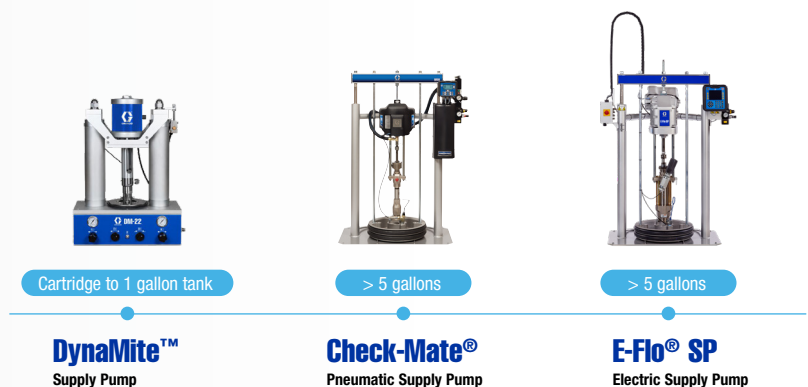
GSD automated dispensing platform is compatible with Graco single-component and two-component metering, dispensing and supply systems, meeting demands for dispensing low to high viscosities of materials.

You can easily customize a one-stop automated dispensing solution as needed.

COMPATIBLE METERING AND DISPENSING SYSTEMS



COMPATIBLE SUPPLY SYSTEMS



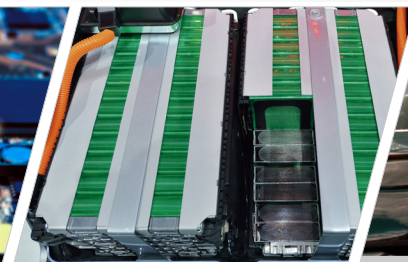
Technical Specifications

	GSD 300	GSD 500
Basic Specification		
Dimensions (H×W×D) (mm)	1925 × 990 × 990	2010 × 1190 × 1190
Gantry system	Brushless AC servo motor Precision ball screw slide table	Brushless AC servo motor Precision ball screw slide table
Movement range X × Y (mm)	300 × 300	500 × 500
Max. travel speed X × Y (mm/s)	500	500
Movement range Z (mm)	150	150
Z Payload Capacity (kg)	30	30
Max. acceleration (X, Y)	2g	2g
Positioning accuracy (XYZ)	±0.02 mm	±0.02 mm
Repeated positioning accuracy (XYZ)	±0.01 mm	±0.01 mm
Control system	Graco dispensing control system, based on Windows interface	
Operation device	Color interface touchscreen	
Power supply	220-240 VAC, 16 A, 50/60 Hz	
Air supply	80-100 psi	
Functions		
Customizable loading/unloading	Slide table / Manual	Slide table / Manual / Conveyor belt
Vision system (XY calibration/programming)	Both available	Both available
Light curtain	√	√
Needle clean	√	√
Needle check	√	√
Weight check	√	√
Purge cup	√	√
Z height check	√	√
Parts in place sensor	√	√
Light tower	√	√
Barcode scanner	√	√
Adjustable light color for the camera	√	√

Markets



Electronics



New energy batteries



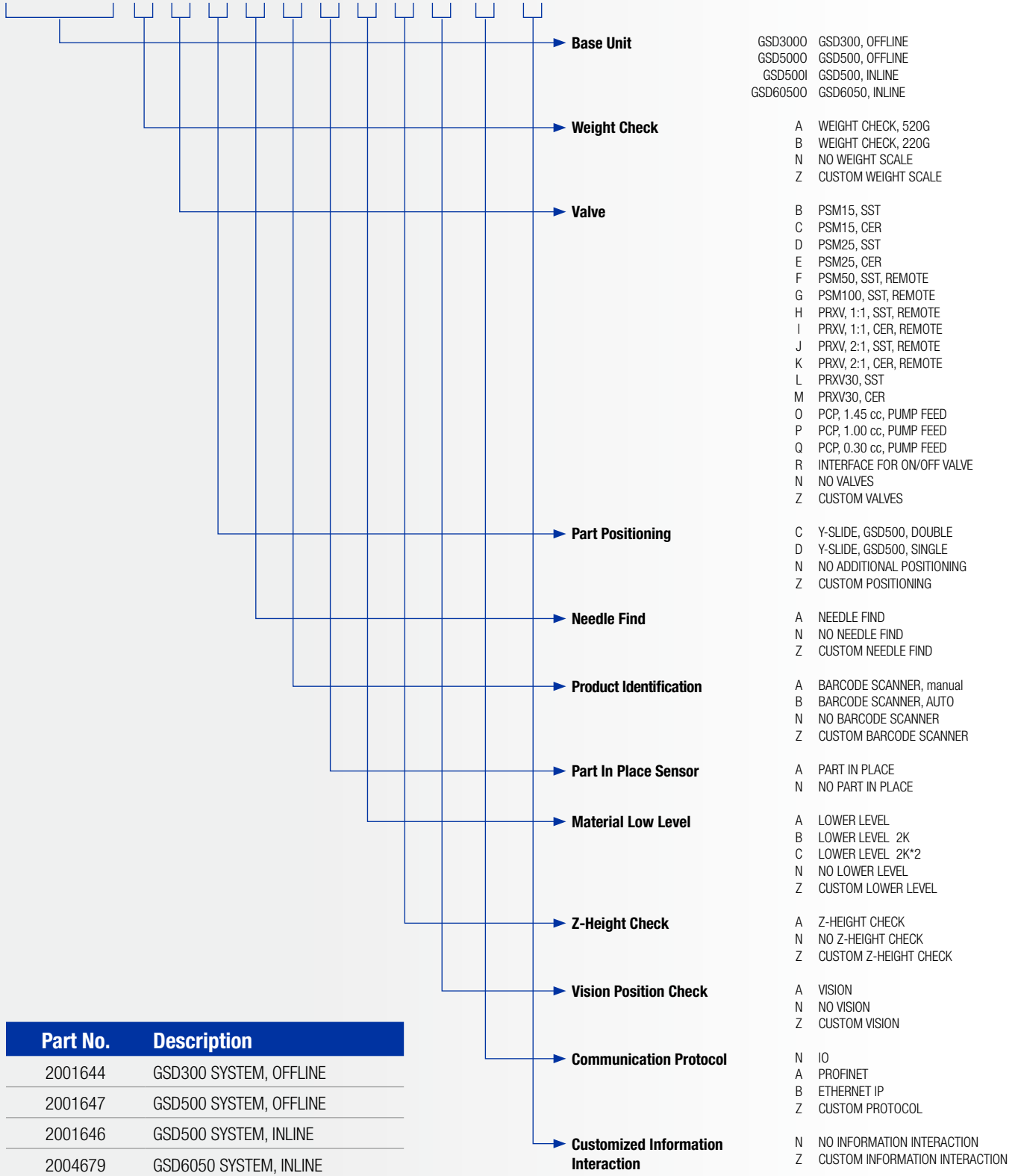
Automotive parts



Telecommunications

Ordering Information

GSDXXXX - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11



Part No.	Description
2001644	GSD300 SYSTEM, OFFLINE
2001647	GSD500 SYSTEM, OFFLINE
2001646	GSD500 SYSTEM, INLINE
2004679	GSD6050 SYSTEM, INLINE



About Graco

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions, namely spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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Sales/Distribution/ Service

To learn more about our products or request a demonstration, please call

86 512 6260 5711 or visit www.graco.com.

Graco Inc. is registered to I.S.EN ISO 9001