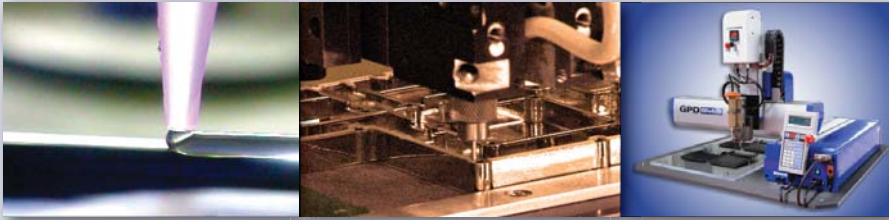


GPD T-Max™

SYSTEM INTRODUCTION



- Large Work Area
- Tabletop System
- Handles multiple dispense technologies

T-Max™ is an entry-level platform for dispense applications such as gasketing or large volume dispenses. The low cost design can accommodate a single valve and the tabletop platform can be placed on a standard table and relocated as needed. With the large work area of 16" x 20" (400 mm x 508 mm x 240 mm), the T-Max™ can accommodate a variety of large products. The open tabletop is easily loaded and has a fixed pattern of holes to accommodate custom fixturing, alignment pins, or other means of holding product.

The T-Max™ system incorporates the exclusive GPD **Toolless Taper-Lock™ valve mounting hardware** first introduced with the GPD MAX Series dispensers. Toolless Taper-Lock™ hardware allows dispense valves to be both mounted securely and removed without the need for tools. The T-Max™ can be configured with a number of GPD Global dispense valves including: LX Auger, Pinch Tube, Spool

Valve, Needle Valve, and the newest GPD valve, the PCD Volumetric valve. With this wide selection of valve choices, you can dispense masks, gaskets, greases, surface mount glues, solder pastes, conductive adhesives, and more. The PCD volumetric dispense valve provides the largest range of capabilities, and since it is volumetric, the dispense results are exceptional. For large volume applications, an external reservoir is also available. Any valves used on the T-Max™ can be used on any other GPD dispense platform.



Shown with PCD4 Valve

Programming is most easily done using the FreeFLO™ software which allows the operator to manually move the gantry to define the patterns to be dispensed. The teach pendant can also be used for increased accuracy. Built-in patterns include: dots, lines, arcs, circles, fills, etc.

Installation of the T-Max™ is easy, requiring only a customer-supplied computer with a Windows XP or newer operating system, and an available Ethernet port. GPD provides the installation software. Please contact us regarding a process evaluation to see what the T-Max™ can do for you.



T-Max™ shown with GPD Global® LX Auger Valve

GPD Global®

Standard Features

- Single position, Toolless Taper-Lock™ Mounting hardware
- Intuitive FreeFLO™ programming software
- Linear speed up to 12" (304.8 mm) per second
- Large XYZ work area — up to 15.75" x 19.69" x 9.45" (400 mm x 500 mm x 240 mm)

Power - T-Max™

120 Volts or 230 Volts AC, Frequency 50-60 Hz
Maximum 6 Amps

Programming Interface

Teaching: Computer (Laptop or Desktop) via Ethernet
 Operation: Computer or Hand-held teach pendant via Ethernet (optional)
 Hardware - minimum requirements:
 2.5 GHz CPU, 256Mb RAM (512Mb or more recommended),
 32Mb free disk space, 100BaseT Ethernet
 Software - minimum requirements:
 Windows XP (SP1/SP2) - Home or Professional
 Mozilla Firefox 2 or Windows Internet Explorer 7

Dispense Valve Compatibility

PCD Series Volumetric Valves, LX Auger Valve, Spool Valve, Needle Valve, Time Pressure.

Performance

Linear speed up to 12" (304.8 mm) per second

Capacities

Range of motion
 X-Axis up to 15.75" (400 mm)
 Y-Axis up to 19.69" (500 mm)
 Z-Axis up to 9.45" (240 mm)
 Resolution ±0.008 mm in X, Y, & Z standard
 Repeatability ±0.050 mm, 68° to 78° F, limited by aluminum structure expansion
 Maximum weight on Z 10 lbs (4.54 kg)

Air

Pressure (clean, dry air) - maximum 75 PSI (517 kPa)
 Flow rate N/A
 Air fitting thread† "One Touch", 4 mm x 2
 † customer supplies connection hardware

Ventilation

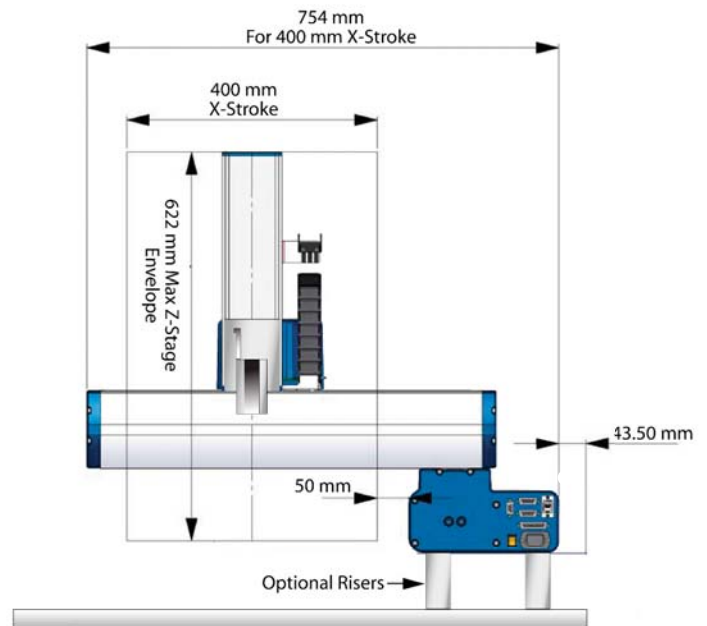
None required.

Environmental

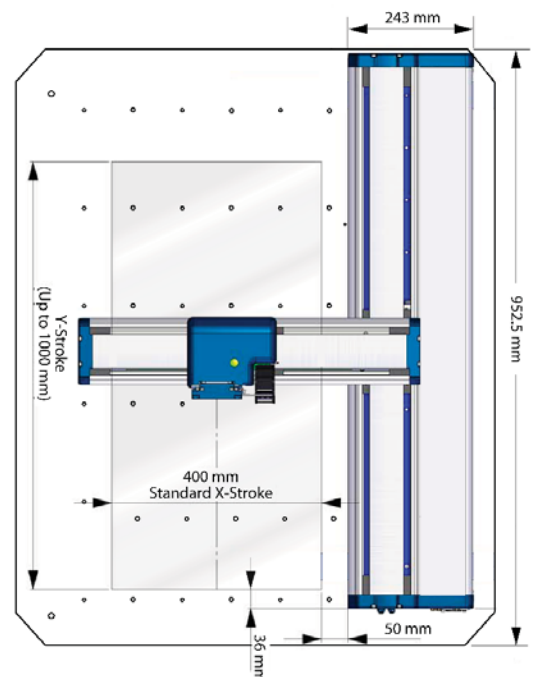
Ambient temperature 5° C to 40° C
 Storage & shipment temperature -25° C to +55° C
 Altitude up to 3000 m

Dimensions & Weight

Compact footprint 37.5" W x 33.5" D
 (952.5 mm W x 850.9 mm D)
 Height range (dependent on Z axis position) 22" to 26" (558 mm to 662 mm)
 Work Area up to 15.75" x 19.68" x 9.45"
 (up to 400 mm x 500 mm x 240 mm)
 Weight including base 136 lbs (61.69 kg)
 Weight, crated 300 lbs (136 kg)



FRONT VIEW



TOP VIEW