

DATRON

PRXL 1000-2c/1500-2c

The DATRON PRXL series of portal dispensing machines is ideally designed for large-format workpieces and nesting. With the volumetric dispensing systems of the PRXL series, DATRON offers a precise 3-axis gantry robot in a modular and compact design.

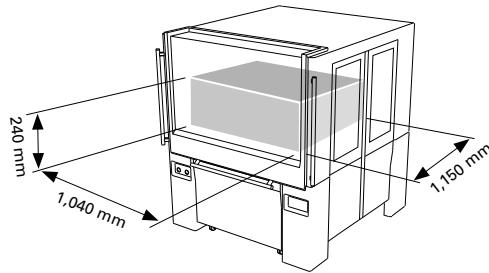
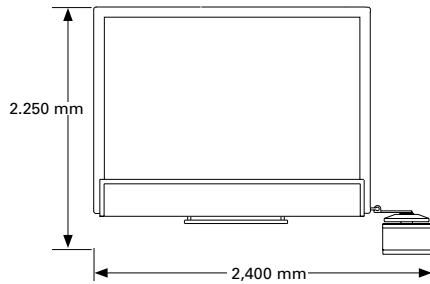
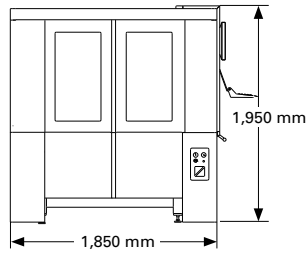
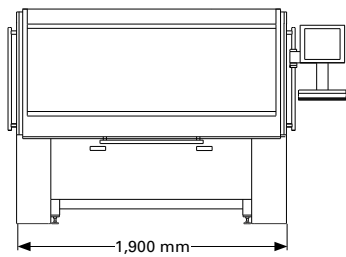
Servo motors in conjunction with ball screw spindles and our special control and regulation technology provide especially high dynamics. Dispensing speeds of up to 20 m/min (333 mm/s) are achievable, providing shortest possible cycle times. The user-friendly design of the PRXL series and the special dispensing accessories ensure minimal setup and programming times and therefore a high level of efficiency.

DATRON PRXL dispensing machines are available with different operating ranges.

Your benefits at a glance:

- Stand-alone 3-axis gantry robot with small floor space
- Dispensing head with patented volume control and 3D control
- Easy programming via a Windows®-based menu interface
- High process reliability due to patented dosing head with highly productive DATRON VDispenser software
- Short cycle times and high-quality dispensing results due to dynamic drives and ball screw spindles
- Module clamping technology: minimal setup times and exact reproducibility of workpiece holders
- Special VDispenser software for optimal Start/Stop transition
- Dispensing speeds of up to 20 m/min





Traverse path PRXL 1000-2c

Basic configuration:

- Digital servo drives
- Precision ball screw spindle
- Protection cabin (CE mark)
- Fast digital servo control with Microsoft® Windows® control software for 3–6axes
- Graphic simulation of traverse paths
- 19" LCD operator terminal
- Hand-held control unit
- USB interface
- Ethernet network interface

Technical Data	DATRON PRXL 1000-2c	DATRON PRXL 1500-2c
Coordinate table	Portal design with double-sided Y drive on granite table	Portal design with double-sided Y drive on granite table
Traverse path (X x Y x Z)	1,040 x 1,150 x 240 mm	1,510 x 1,150 x 240 mm
Portal height	200 mm	200 mm
Weight	approx. 1,450 kg	approx. 1,800 kg
Floor space (W x D x H) without operating terminal	1,900 mm x 1,850 mm x 1,950 mm	2,360 mm x 1,850 mm x 1,950 mm
Dispensing/Positioning speed	up to 16 m/min per axis, up to 20 m/min traversing	up to 16 m/min per axis, up to 20 m/min traversing
Repeatability	± 0.02 mm	± 0.02 mm
Control system	Decentral, digital servo control with interface	Decentral, digital servo control with interface
Operating materials	Pressurized air: 6 bar, dry, clean, oil-free Voltage: 230 V, 16 A	Pressurized air: 6 bar, dry, clean, oil-free Voltage: 230 V, 16 A
Ambient air temperature	15–30° C	15–30° C
Material (depending on Dispensing Head)	Lower and highly viscous, unfilled and abrasive, heatable as well as 1K-foam	Lower and highly viscous, unfilled and abrasive, heatable as well as 1K-foam
Material supply	Cartridges, foil packs, pails or barrels	Cartridges, foil packs, pails or barrels
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