

CNC Machines

Mini-Tools

**Dispensing Systems**

Positioning Drive Units

Consultation and Training



## Dispenser®



## DATRON PR 0500

### Volumetric Dispensing System for Small-Format Applications

- Traverse path 520 mm x 650 mm x 240 mm (X x Y x Z)
- Dispensing Speeds up to 20 m/min (traversing)
- High Process Reliability, Dispensing Quality and Speed

**Fast - Economical - Process Reliable**

The intelligent DATRON dispensing systems set new standards in industrial dispensing techniques.

The fast and highly precise dispensing system for industrial adhesives, sealants, and Dam & Fill applications will convince you thanks to its high volume consistency which ensures optimum production quality and at the same time highest process reliability. In connection with a large range of accessories DATRON offers turn-key solutions which guarantee optimum quality for your production process.

**Innovative Dispensing Head**

The perfect combination of the volumetric dispensing head and the powerful DATRON VDispenser software guarantees high process reliability, also at changeable production conditions, such as e.g. variations in temperature and viscosity. The integration of the electronically-controlled dispensing head into the continuous path control ensures a constant dispensing quantity independent of speed. Special software functions allow for optimum dispensing results in the critical Start/Stop areas.



**Product Description**

With the new generation of constant-volume dispensing systems DATRON sets the standard in the field of industrial dispensing for small and medium-sized components. At the heart of the dispensing system there are different, exchangeable dispensing heads which can apply a large range of dispensing and materials and adhesives. With the special DATRON accessories, e.g. module clamping systems or CAD/CAM software, set-up times are drastically reduced and productivity significantly increased. Further features such as the automatic nozzle compensation or the XYZ sensor lead to very high process reliability and repeatability also when dispensing critical components.

**Advantages**

- Autonomous 3 axes portal system with small floor space
- Dispensing head with patented volume control and fast 3D control system
- Easy programming via Windows-based PC control and CAD/CAM interface
- High flexibility thanks to modular set-up of all dispensing components
- Module clamping technique: Minimum set-up time and exact repeatability of the work piece holding fixtures
- Special VDispenser software for optimum Start/Stop areas

**Areas of Application**

- For adhesives and fluid sealants in industrial applications
- For the dispensing of small to medium-sized components
- In all dispensing areas which require constant precision
- For all standard 1C materials; 2C on enquiry

Technical Data	DATRON PR 0500
Coordinate Table	Portal set-up with dual Y-drive on anodized Aluminium table
Traverse path (X x Y x Z)	520 x 650 x 240 mm
Portal Height	200 mm
Floor Space (W x D x H) without control unit	1300 mm x 1300 mm x 1950 mm
Driving System	Backlash-free DC servo drives, precision spindle for each axis
Dispensing/Positioning Speed	up to 16 m/min per axis/ up to 20 m/min traversing
Precision	Resolution: 1 µm Absolute: ±50 µm Repeatability: ±20 µm
Control System	Decentral, digital servo control with interface
Operating Materials	Pressurized air: 6 bar, voltage: 230 V
Material (depending on Dispensing Head)	Lower and highly viscous, unfilled and abrasive, as well as heatable
Material Supply	Cartridges, foil packs, pails or barrels
Weight	circa 560 kg
Optional Accessories (Further Accessories on Enquiry)	Nozzle compensation, XYZ sensor, module clamping technique, rotating nozzle, rotary axes, CAD/CAM module, vision system

The information in this brochure contains up-to-date descriptions and features which may change due to further product development. The descriptions and features are only binding if they are expressly agreed upon in writing when the contract is concluded.

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