



DATRON Dispensing systems

High precision and process security at short
set-up and cycle times



DATRON

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DATRON dispensing systems were specially developed for industrial adhesive, sealing or EMC applications and have earned customer confidence with their high performance and high volume consistency.

DATRON dispensing systems offer the highest possible process security and flexibility with its combination of electronic dispensing head with the patented control engineering. The use of special software technology allows speed-independent dispensing, which ensures high dispensing speeds and short cycle times. Also, these systems work independently of pressure and viscosity, so that process parameters don't need to be adjusted due to modified manufacturing conditions. In connection with the accessories developed for dispensing tasks, DATRON offers system solutions from one source to guarantee optimum quality for your manufacturing.

The increasing economic demands in the area of dispensing require precise, process-sure and flexible system engineering. DATRON dispensing systems were specially developed for industrial adhesive, sealing or EMC applications and have earned customer confidence with their high performance and high volume consistency.



Perfect Dispensing Technology
For All Industries

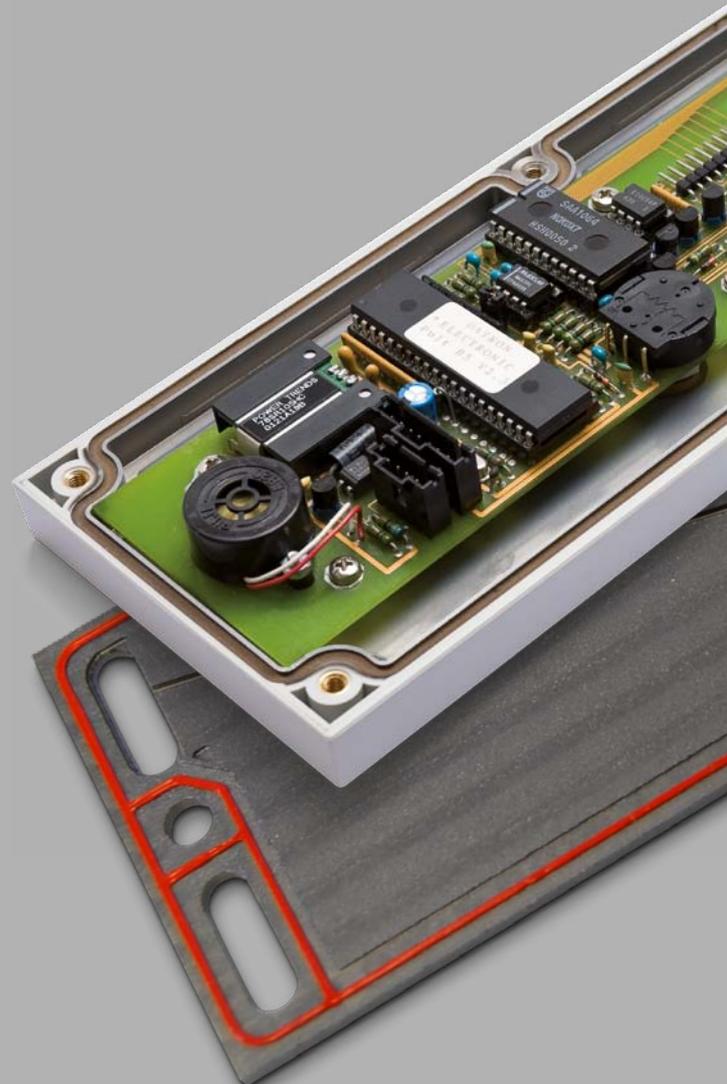
DATRON has the perfect solution!

Industries:

- Automotive industry
- Electronics industry
- Telecommunication
- Solar technology
- Textile industry
- Medical technology
- Hygiene industry
- Aerospace industry
- Furniture industry
- Food industry
- Railed vehicles
- Shipbuilding
- and many more

Materials:

- Silicones
- Polyurethane (incl. 1K-foams)
- MS polymers
- UV adhesives and sealants
- Epoxy resins
- Acrylates
- and many more



DATRON System Overview

Each dispensing application is specific and we offer the perfect solution for your specific needs. Whether stand-alone or inline, whether cartridge or barrel, whether small prototype manufacturing or serial production in large lot sizes, our experts can advise you and help you to find the best and most efficient solution for your application.

Ideal for Small Lots

DATRON **PRO400**

Further information on pages 12–13



Cost-effective using the Smallest Space

DATRON **PRO500**

Further information on pages 14–15



Large-format Dispensing

DATRON **PRXL**

Further information on pages 16–17



Semi-automatic

DATRON **PRO500RT**

Further information on pages 18–19



Inline-capable and Compact

DATRON **IRO300**

Further information on pages 20–21



Inline-capable for Large Format

DATRON **IPRO500**

Further information on pages 22–23



DATRON

Dispensing Heads

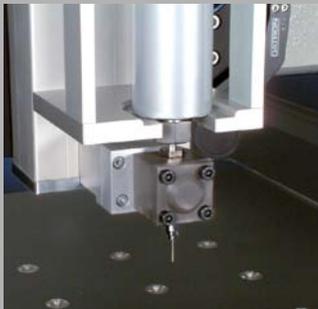
The main item in any dispensing system!

By including the gear wheel pump in the continuous-path control, volumetric dispensing is guaranteed at all times, independent of changes in speed. The design of the patented gear wheel pump allows viscosity fluctuations of the dispensing material to be compensated, and the control engineering running in the background compensates for the thixotropic material behaviour.

Start / Stop, cross or T points are optimised using special software functions so that the fusion spots melt into each other. The material is fed by means of either cartridges, pails or up to 200 litre tanks. Dispensing heads are available for almost all conventional 1C materials, such as silicones, MS polymers, UV adhesives and sealants, hotmelts, 1 C-PUR as well as POP-copolymers. For applications with 2-component materials, DATRON offers optional dispensing heads on request.



Dispensing Heads Overview



DATRON iVD fluid

- Unfilled media
- Low-viscosity materials
- Material supply: cartridges (Material pressure tanks, barrels and hobbocks, optional)



DATRON iVD-Hotmelt

- Hotmelt adhesives
- Fast curing
- Closed-cell
- Material supply: cartridges, barrels or hobbocks



DATRON iVD abrasive

- Unfilled and filled, abrasive media
- Moderately to highly viscous materials
- Material supply: cartridges (barrels and hobbocks optional)



Further Dispensing Heads

- iVD Hotmelt for heatable materials
- iVD-SPlus for very shear-sensitive media
- iVD-VPlus for special applications with zero cavity valve

Dispensing Technology

Pump Technology VDispenser

DATRON's VDispenser was especially developed for industrial adhesive, sealing or EMC applications and convinces by its high efficiency and volume constancy. The systems work independently of pressure and viscosity, so that a readjustment of process parameters due to changes in production conditions is unnecessary.

Transitions & docking points

- Clean start/stop points due to ramp-shaped transition
- No material spreading due to special wiping/elimination strategies
- Consistent starting and ending points without (unwanted) thickening

Speed & volume independent

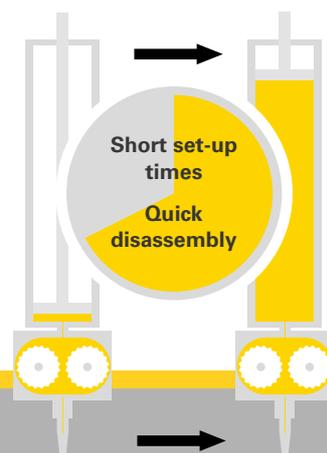
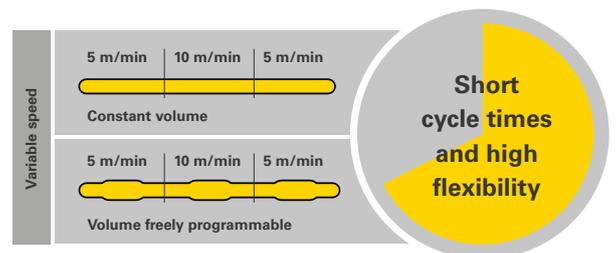
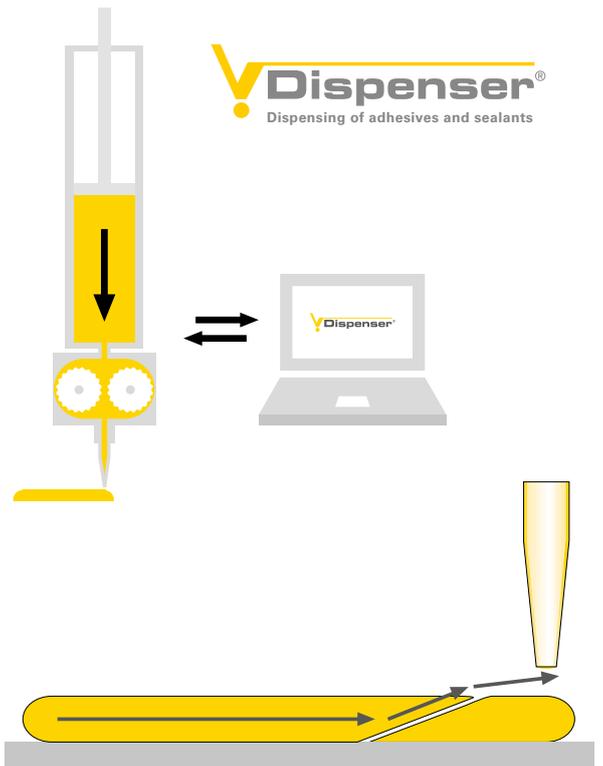
- Short cycle times due to the possibility of acceleration and deceleration
- Consistent dispensing cross-sections (volumes) , even with changing dispensing speeds
- Volume changes easily programmable via software

Temperature and viscosity-independent: regardless of varying production conditions

- Consistent dispensing volumes, even at different temperatures
- Constant material discharge even with viscosity variations
- Unchanged production process even in case of compressed air variations

Extremely easy handling & short set-up times

- Changing of pump and gears within a few minutes
- Change of material within a few minutes
- Programming via CAD/CAM system
- Innovative ideas for clamping technology



Materials

Future-proof gluing and sealing

The demands on products in terms of stability and weight savings are constantly increasing. On the part of manufacturing technology, this leads to completely new challenges in the field of machine gluing. DATRON's volumetric dosing systems set new standards and meet the increasing demands on the reproducibility of position, shape and volume of the applied adhesive, sealant, or potting materials.

Compact materials

In the area of sealing technology, the so-called compact materials, with a hardness of 16 – 60 Shore A, are among the available materials. These materials can not be compressed and require space for lateral expansion after the joining.

Hotmelts

Melt adhesives, so-called hot melts, can be easily applied with appropriately configured DATRON dispensing systems on a variety of adhesive surfaces. Our experts will be happy to help you in the selection of different hotmelts with their wide range of adhesion.

Adhesives

Adhesive bonding is the joining process of the future. With our volumetric dispensing machine, a wide variety of adhesives, such as epoxy resins, acrylates, PUR, silicone etc. can be applied in all sorts of shapes to a high degree of reproducibility and reliability.

EMI and thermal management

Abrasive materials for electromagnetic shielding and heat dissipation in electronics products are volumetrically dispensed on the spot. Consistently high process reliability from prototype to large-scale production will secure your competitive edge.



Materials

We dispense everything with the utmost precision

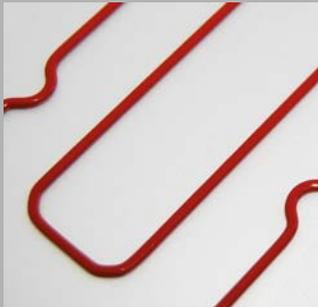
The integration of DATRON's dispensing head into the path control system ensures precise volume application, irrespective of the material's dispensing and flow properties.

All major 1-component sealants, adhesives, potting materials, EMI shields, hot melts or abrasive materials can thus be applied in a process-safe manner, even in case of very thin beads.

We will be happy to discuss dispensing of 2-component materials personally with you.

Dispensing details	
Dispensing	Cross-sections 0,5–10 mm
Viscosity	1 mPas – 1,000,000 mPas
Fillers	up to 50 µm
Container size	30 ml cartridge to 200-litre drum
Chemical basis	Silicone, epoxy, acrylate, polyurethane, MS polymers, hotmelts, pop-mixed polymers, etc.
Bonding	RTV, thermal, UV, chemical
Shore hardness	Depending on the dispensing medium

Material properties based on dispensing examples



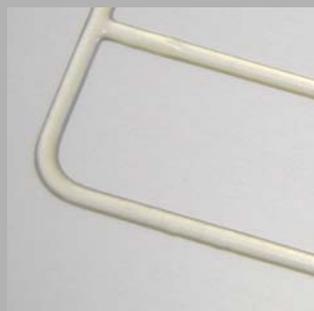
Silicone
Wacker Elsatosil E14
Chemical base: silicone
Bonding method: RTV, 2-3 mm/24 h
Shore hardness: 36 A
Remarks: Acetic acid-bonding system



2-component silicone
Dow Corning D94-30P
Chemical base: Silicone
Bonding method: Thermal, 5 min/150° C.
Shore hardness: 32 A
Remarks: 2-component, potting time 4-6 h



Epoxy resin
Delo Monopox 1197
Chemical base: epoxy
Bonding method: thermal, 15 min/180° C
Shore hardness: 67 D
Remarks: adhesive, abrasive



Polyacrylate
Henkel Loctite 5883
Chemical base: acrylate
Bonding method: UV
Shore hardness: 45 to 50 A
Remarks: Silicone-free



Combination bead
Nolato 8801/Nolato 8510
Chemical base : electrically conductive and non-conductive silicone (combination)
Bonding method: thermal, 30 min/100° C
Remarks:
Coat: electrically conductive
Core: non-conductive silicone



1-component foam
Sunstar Penguin Foam 3151E
Chemical base: polyurethane
Bonding method: thermal, 5 min/80° C
Shore hardness: 42 (00)
Remarks: Physical, foamed, closed cells

Material feed/ Container types

Process-reliable dispensing from cartridges and drums

The choice of container sizes is generally based on the requirements of the materials, the quantities to be produced and the container types available. The material feed is done using cartridges, hose containers, 20-litre hobbocks or 200-litre drums.

Accordingly, different dispensing heads are available for all common materials such as silicones, MS polymers, UV adhesives and sealants, hotmelts, PUR or similar materials.



Cartridges

All dispensing systems are basically equipped for material feeds with 310 ml cartridges. The material to be dispensed is, for example, mechanically pressurized and used exclusively for the continuous supply of dispensing pumps with adhesives or sealants. The actual dispensing process takes place over pumps with variable speeds integrated into the path control system.

Standard cartridges

- 310 ml Euro cartridges
- 30 ml Luer-Lock cartridges
- 55 ml Luer-Lock cartridges

Special cartridges or containers

Notwithstanding the above sizes, other containers such as for example hose containers and Semco cartridges are adaptable upon request.



Hobbocks and drums

Heated and unheated conveying systems are available for material feeds with 20-litre hobbocks or 200-litre drums. Specially designed adapters allow using standard dispensing heads. In particular, with increasing production quantities, the dispensing system can be expanded from using cartridges to 200-litre drums while keeping the same constant process reliability.

20-litre Hobbock
200-litre Drum

Concerning 2-component materials, components A and B are supplied separately. Their container sizes may be different.

Example: Mixing ratio 10:1

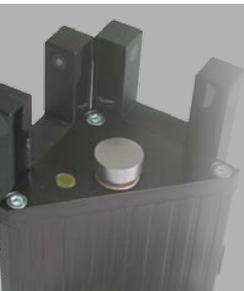
Component A: 200-litre drum and component B: 20-litre hobbock



20-litre Hobbock

200-litre drum

Technologies That Make You Even More Successful!



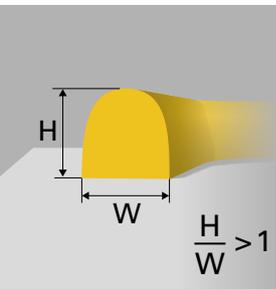
Nozzle Adjustment

Fully automatic sensor for the alignment of the dispensing needle position in all three co-ordinate axes.



Sensor XYZ

With intelligent sensors from DATRON, component tolerances and zero points are measured and compensated for completely automatically.



Rotating Nozzle

According to the path direction, rotatable dispensing needles are directed automatically, thus allowing dispensing of profiles. With angled dispensing needles, dispensing on external perimeters is also possible.



VisionSystem

The system for the automatic position detection and fast teach-in and recognition of markings on the surface of a work piece.



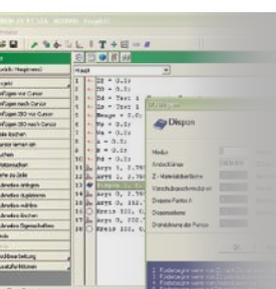
Pumps

Pumps are not just pumps. Depending on the materials' properties and the application of the dispensing medium, DATRON offers different pumps for the application of materials.



Light curtain

A light curtain separates the working area from the operator for safety reasons.



Software

A user-friendly interface with graphic symbols allows quick access to numerous functions. For the implementation of 2D and 3D data, DATRON provides special CAD/CAM software.

VDispenser

The dispensing head is the core of every dispensing system. Volumetric dosing regardless of speed changes is always guaranteed.



Further Accessories

Programming, sensor technology, the diversity of application possibilities and other "set-up times" often determine the cost-effectiveness of production. Therefore DATRON developed high-performance accessories. For effective and more profitable work.

Your Added Value – Production solutions effective and inexpensive.



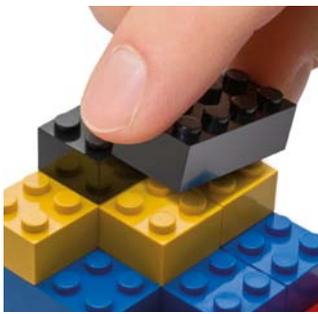
Consultancy and customer service

Our strength is expert advice for the selection of the right dispensing technology.



Achieve your goals faster

Intuitive and easy-to-learn machine operation has been standard at DATRON for many years.



Modular

Based on a modular set-up we offer you perfect dispensing solutions for your production tasks.

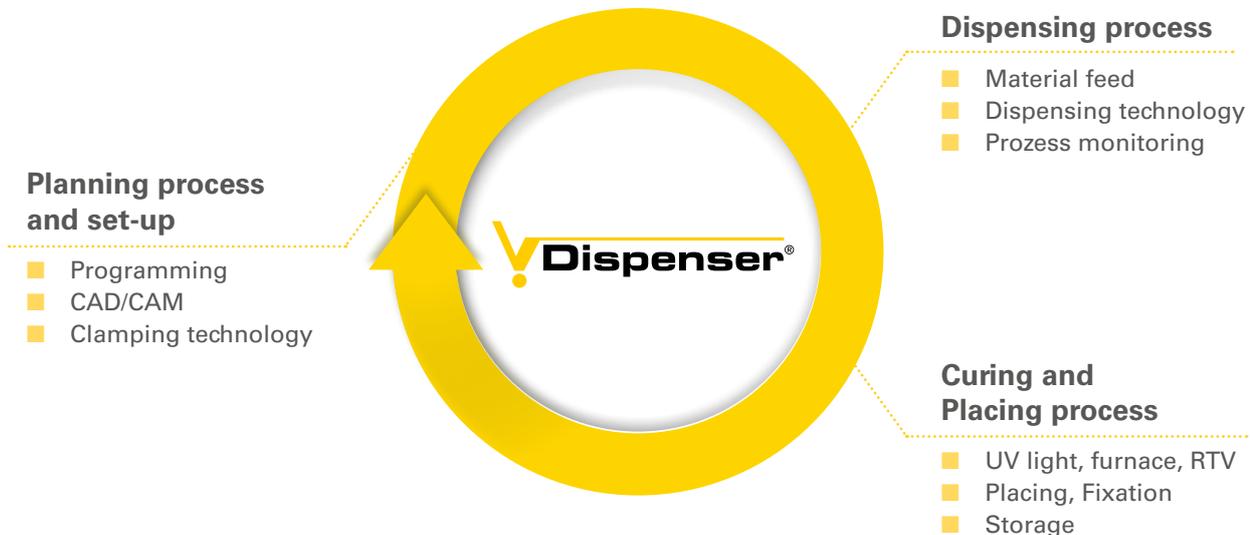


Product innovations

With, e.g. the combined bead (EMI material with soft core), you will always stay ahead of the competition.

Product innovations

Our know-how extends from work preparation, setup and the actual dispensing through to curing and component inspection.



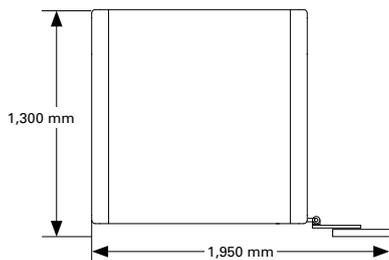
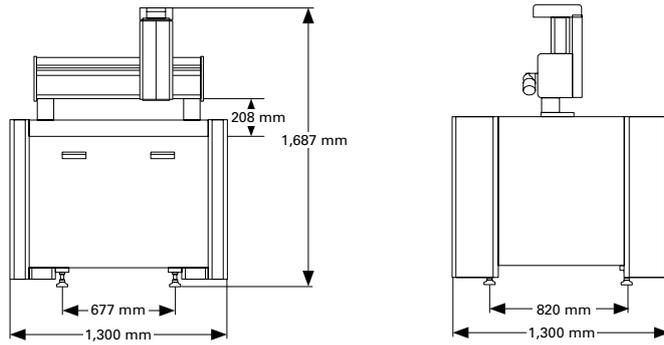
DATRON PRO400

The PR0400 dispensing system offers innovative dispensing technology with a versatile application range at an attractive price. The machine system is especially designed for applications with small batch sizes, such as in laboratory operation, in prototype construction or for small series production. The focus is on applications where optimum dispensing quality, together with process reliability, are demanded.

Your benefits at a glance:

- Autonomous 3 axes portal system with small floor space
- Dispensing head with patented volume control and 3D control
- Simple programming via Windows-based menu interface
- High flexibility thanks to the modular structure of all dispensing components
- Module clamping technique: Minimum set-up times and exact reproducibility of the workpiece holder
- Special VDispenser software for optimum start/stop transitions





Technical Data	DATRON PR0400
Coordinate table	Portal design with double-sided Y drive on Aluminium table
Traverse path (X x Y x Z)	520 x 650 x 240 mm
Portal height	200 mm
Weight	Approx. 450 kg
Floor space (W x D x H) without operating terminal	1,300 mm x 1,300 mm x 1,950 mm
Dispensing/Positioning speed	Up to 2 m/min
Repeatability	± 0,02 mm
Control system	Decentral, digital servo control with interface
Operating materials	Pressurized air: 6 bar, dry, clean, oil-free Voltage: 230 V, 16 A
Ambient air temperature	15–30° C
Material (depending on Dispensing Head)	Lower and highly viscous, unfilled and abrasive, heatable as well as 1K-foam
Material supply	Cartridges, foil packs, pails or barrels
Article Number	0A02037

Basic configuration:

- Digital servo drives
- Precision ball screw spindle
- Fast digital servo control with Microsoft® Windows® control software
- Graphic simulation of traverse paths
- 19" LCD operator terminal
- Hand-held control unit (optional)
- USB interface
- Ethernet network interface
- Volumetric dispensing head

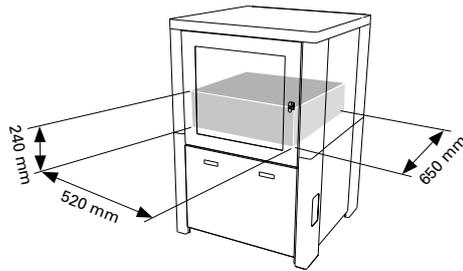
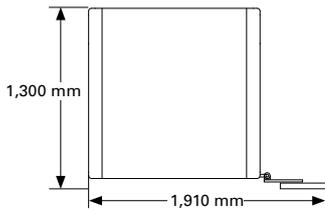
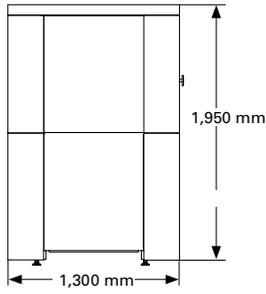
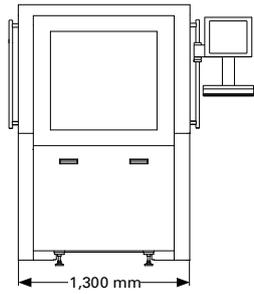
DATRON PR0500

With the volumetric PR0500 dispensing system, DATRON offers a precise 3-axis portal robot in a modular and compact design. Powerful axis systems in conjunction with a special control and regulation technology provide high dynamics. Dispensing speeds of 16 m/min (266 mm/sec) are possible. The user-friendly design and special dispensing accessories provide minimal set-up and programming times and therefore a high level of efficiency.

Your benefits at a glance:

- 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





Traverse path

Technical Data	DATRON PR0500
Coordinate table	Portal design with double-sided Y drive on anodized Aluminium table
Traverse path (X x Y x Z)	520 x 650 x 240 mm
Portal height	200 mm
Weight	approx. 560 kg
Floor space (W x D x H) without operating terminal	1,300 mm x 1,300 mm x 1,950 mm
Dispensing/Positioning speed	up to 16 m/min per axis, up to 20 m/min traversing
Repeatability	± 0,02 mm
Control system	Decentral, digital servo control with interface
Operating materials	Pressurized air: 6 bar, dry, clean, oil-free Voltage: 230 V, 16 A
Ambient air temperature	15–30° C
Material (depending on Dispensing Head)	Lower and highly viscous, unfilled and abrasive, heatable as well as 1K-foam
Material supply	Cartridges, foil packs, pails or barrels
Article Number	0A02032

Basic configuration:

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

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.

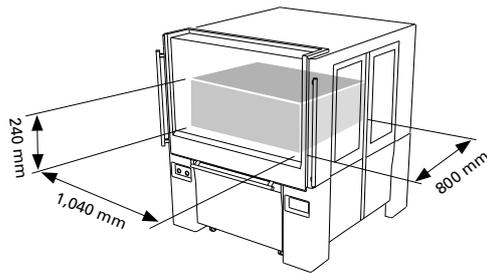
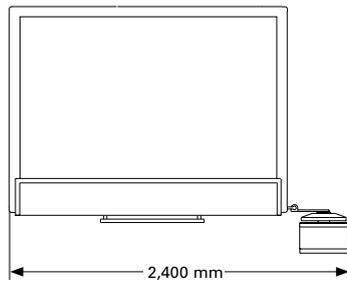
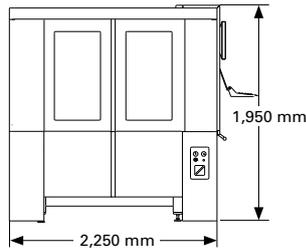
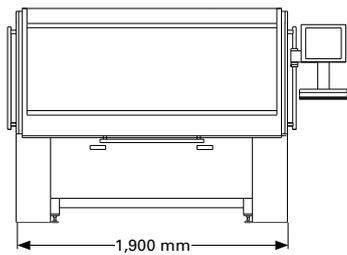
Servo motors in conjunction with ball screw spindles and our special control and regulation technology provide especially high dynamics. Dispensing speeds of up to 20 m/min (333 mm/s) are achievable, providing shortest possible cycle times. The user-friendly design of the PRXL series and the special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





Basic configuration:

- Digital servo drives
- Precision ball screw spindle
- Protection cabin (CE mark)
- Fast digital servo control with Microsoft® Windows® control software for 3 - 6 axes
- 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
Article Number	0A02038A	0A02039A

DATRON PR0500-RT

DATRON's PR0500-RT dispensing system with rotary table is the ideal solution for a semi-automated production. It allows loading and unloading the workpieces during dispensing operations.

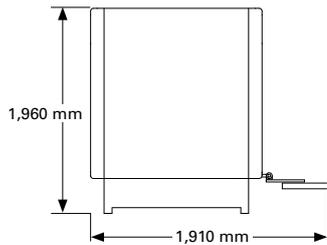
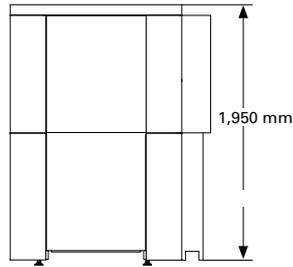
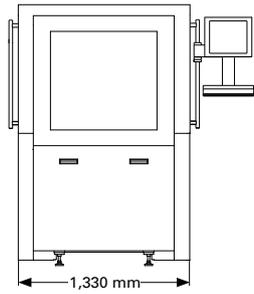
Two workpiece holders are mounted on a rotary table, each of them running alternately in the front mounting position or in the rear machining position. The rotary table is driven by a separate PLC, and rotates 180° and back. The front mounting position is equipped with a safety light curtain to protect the operator.

Your benefits at a glance:

- No downtimes
- Loading and unloading during the dosing process
- Semi-automated processes

- 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 flexibility through modular design of all dosing components
- Module clamping technology: minimal setup times and exact reproducibility of workpiece holders
- Special VDispenser software for optimal Start/Stop transition





Technical Data	DATRON PR0500-RT
Coordinate table	Portal design with double-sided Y drive on anodized Aluminium table
Traverse path (X x Y x Z)	520 x 650 x 240 mm
Portal height	200 mm
Weight	approx. 860 kg
Floor space (W x D x H) without operating terminal	1,330 mm x 1,960 mm x 1,950 mm
Dispensing/Positioning speed	up to 16 m/min per axis, up to 20 m/min traversing
Repeatability	± 0.02 mm
Control system	Decentral, digital servo control with interface
Operating materials	Pressurized air: 6 bar, dry, clean, oil-free Voltage: 3x400 V, 16 A
Ambient air temperature	15–30° C
Material (depending on Dispensing Head)	Lower and highly viscous, unfilled and abrasive, heatable as well as 1K-foam
Material supply	Cartridges, foil packs, pails or barrels
Article Number	0A05205

Basic configuration:

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

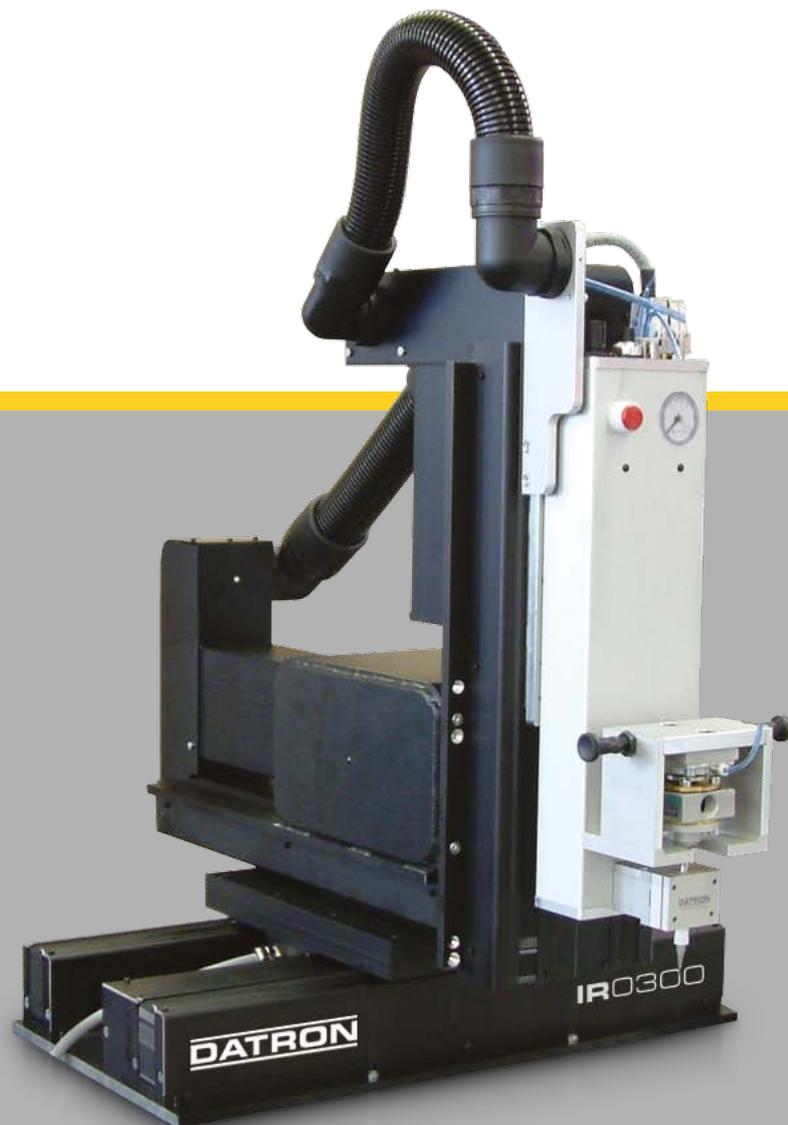
DATRON IRO300

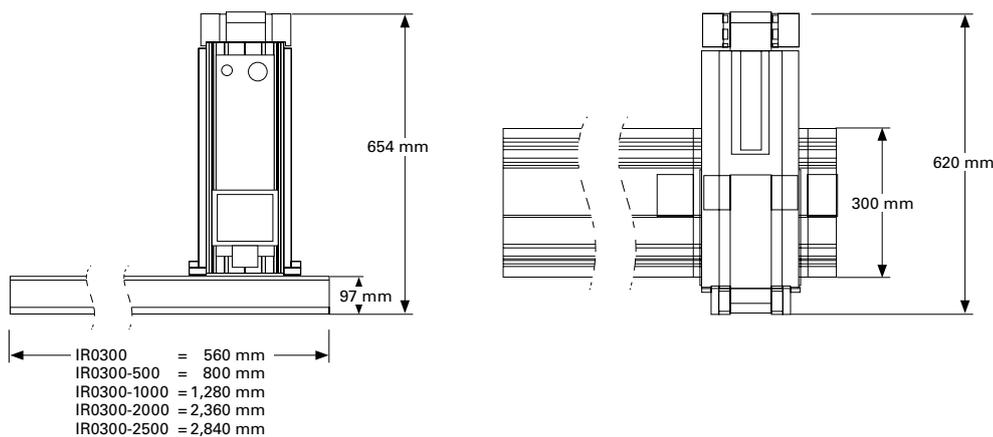
The DATRON IRO300 Inline dispensing system is characterised by an especially precise and stable built. This guarantees years of continuous operation and constant quality also under very demanding operational conditions.

Thanks to its free-arm construction this system can be easily integrated into inline operations. Digital I/Os ensure an optimum data exchange between the overriding control software and the DATRON VDispenser software. Up to two dispensing heads can operate simultaneously. Material can be supplied from cartridges or linear feed systems such as hoblocks or barrels. Sensors to compensate differences in work piece height and nozzle result in a high level of process reliability.

Your benefits at a glance:

- Cartesian robot with small floor space
- Full inline capability
- Dispensing head with patented volume control and fast 3D control
- Short cycle times thanks to high dispensing speeds up to 16 m/min
- High availability and low wear-related costs
- Special VDispenser software for optimum Start/Stop areas





Technical Data	DATRON IR0300
Coordinate table	Portal design with single Y drive without base frame
Traverse path (X x Y x Z)	300 x 240 x 240 mm, (up to 3,000 mm in X)
Weight	approx. 70 kg (without compact control)
Floor space (W x D x H) without operating terminal	from 560 x 1,060 x 850 mm
Dispensing/Positioning speed	up to 16 m/min per axis, up to 20 m/min traversing
Repeatability	± 0.02 mm
Control system	Decentral, digital servo control with user interface
Driving System	Backlash-free DC servo motors, precision spindle for each axis
Operating materials	Pressurized air: 6 bar, dry, clean, oil-free Voltage: 230 V
Ambient air temperature	15–30° C
Material (depending on Dispensing Head)	Lower and highly viscous, unfilled and abrasive, heatable as well as 1K-foam
Material supply	Cartridges, foil packs, pails or barrels
Article Number	0A02030B

Basic configuration:

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

DATRON IPR0500

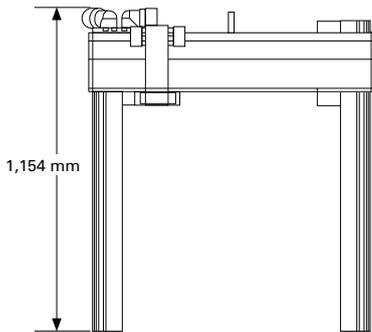
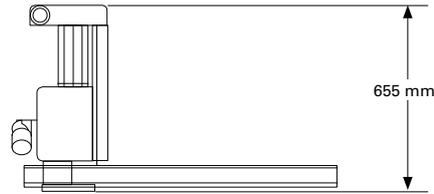
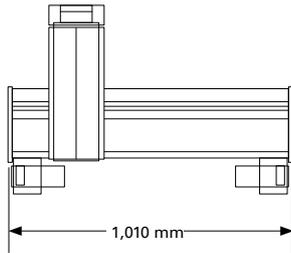
The inline-capable dispensing system for larger workpieces. The portal system including the dispensing head can be installed over conveyor belts. The data exchange with the control system of the respective handling system is made over digital inputs and outputs. In a proven way, the selection of the respective programme as well as the control system and the regulation of the programmed dispensing volumes are done automatically over DATRON's VDispenser dispensing software.

The core of the dispensing system is made up by several interchangeable dispensing heads. A variety of sealants and adhesives can be processed reliably through them. A simple mechanical and electrical integration into production lines provides a manageable and calculable cost framework. Further larger-sized portal systems are available on request.

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 flexibility through modular design of all dosing components
- Module clamping technology: minimal setup times and exact reproducibility of workpiece holders
- Special VDispenser software for optimal Start/Stop transition





Technical Data	DATRON IPR0500
Coordinate table	Portal set-up with double-sided Y drive without base frame
Traverse path (X x Y x Z)	520 x 650 x 240 mm
Weight	approx. 150 kg
Floor space (W x D x H) without operating terminal	1,100 x 1,160 x 655 mm
Dispensing/Positioning speed	up to 16 m/min per axis/ up to 20 m/min traversing
Repeatability	± 50 µm
Driving System	Decentral, digital servo control with user interface
Operating materials	Pressurized air: 6 bar, dry, clean, oil-free Voltage: 230 V
Ambient air temperature	15–30° C
Material (depending on Dispensing Head)	Lower and highly viscous, unfilled and abrasive, heatable as well as 1K-foam
Material supply	Cartridges, foil packs, pails or barrels
Article Number	0A02035

Basic configuration:

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

DATRON

About us

DATRON AG

Dedicated staff and innovative products

We develop, produce and distribute innovative CNC milling machines for the machining of future-oriented materials such as aluminium and composite materials, dental milling machines for the efficient processing of all common denture materials in dental laboratories and high-performance dosing machines for industrial sealing and bonding applications.

Strong focus on customer value, a very good price-performance ratio, low power consumption and flexible adaptation through modular lightweight construction are a common feature of all our products. Standard solutions can be adapted to a very large extent to individual customer requirements.

Production and automation processes can be improved significantly due to components matched already during their development and the resulting superior technological features of DATRON's products. This not only leads to higher production quality, but also to lower manufacturing costs!

DATRON's core products are:

CNC milling machines for high-speed milling and 3D engraving

Milling, drilling and engraving of aluminium, stainless steel, plastics and composites. High production speeds and results are achieved with speeds of up to 60,000 rpm.

We are the market leaders in Germany in the field of front panel and housing machining.

Dental CAD/CAM milling/grinding machines

The ultracompact 5-axis milling/grinding machines are suitable for machining all common dental materials. Equipped with 8-fold automation and 12-fold tool changer, DATRON's machines are the best choice for industrial dental mass production with high reliability, speed and precision.

VDispenser®-Dispensing machines for precise and rapid bonding and sealing

Our precise-volume dispensing technology is available and patented worldwide. Strong cost advantages result in mass production due to the high dispensing quality and speed of our systems.

Tools for high-speed machining

The quality of the tools is essential to determine machining results in high-speed machining. Our technological and advising expertise enables our customers to produce more economically than their competitors.

Technical customer support

Training, service hotline, maintenance, accessories and spare parts sales: Our professional service and expert advice in all fields leads to high customer satisfaction and to the "German Customer's Champion 2011" award.





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www.datron.de

The information in this brochure includes current descriptions and/or performance features that may change due to ongoing development of our products. Some of the depicted machines include optional components. Descriptions and performance features are only binding if expressly agreed on in writing upon conclusion of the contract.

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