

PT 600.2

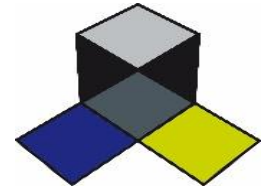
Automatic Pipetting System

600 samples in 60 minutes -
we automate your sample transfer processing!

OUR IDEA

- High precision
- High efficiency
- High speed
- Seamless traceability
- Flexible and highly adaptable IT communication
- Cloud-based functions and data exchange
- Easy maintenance
- Great accessibility
- Expandable frameworks for new tasks





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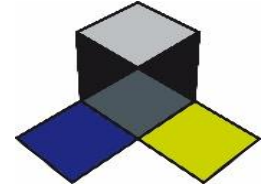
Our answer to COVID-19 - but you can use it for much more than that

It is a highly efficient stand-alone system for opening, collecting, dispensing and closing screw-on & snap-on (saliva) samples.

THE PROCESS

- Acquisition of the individual samples by scanning the 1-2D code and assigning the samples to a customer order
- 3D vision of the sample tubes in the sample carrier
- Opening / closing the sample lid
- Collecting liquid from the samples (40µL - 650µL)
- Quantity control of the withdrawn liquid using computer vision
- Dispensing of the liquid into a DeepWell plate 96
- Transferring the samples into OK and NOK containers
- Highly efficient and accessible IT system with data exchange, FDA 21 audit trail and electronic signature functionality





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FUNCTION OVERVIEW

Our PT 600.2 can handle:

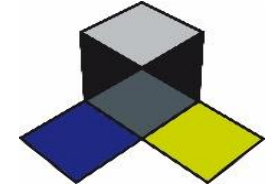
- ✓ all common COVID-19 sample sizes
- ✓ screwed-lid & snapped-lid samples
- ✓ Eppendorf Research plus and F1-ClipTip pipettes & standard pipette tips (others optional)
- ✓ automatic pooling preparation

Special features:

- ✓ 2 large doors guarantee great access to the system
- ✓ a Hepa 14 filter system, including UVC-light, to clean the interior and offer safety for your employees
- ✓ Carryover and contamination free – the DeepWell plate 96 is covered at all times
- ✓ easy accessible control cabinet
- ✓ the latest robot technology
- ✓ CE certified

PT 600.2 – Automatic Pipetting System





Product specifications

Model	PT 600.2	
Dimensions	2070x960x1920mm (LxWxH)	
Weight	720kg	
Electrical requirements	Power	3 Phase 400V,N,PE
	Hz	50-60Hz
	Power Consumption	~10KW
Operating requirements	Temperature	15°C – 35°C
	Relative Humidity	20% RH – 80% RH (non-condensing)
	Atmospheric Pressure	80 kPa – 106 kPa
Functions	Sample Barcode identification, 3D vision of the sample tubes, lid opening and closing, liquid transfer, checking fill levels, HEPA 14 filter system incl. UVC-light to clean the interior space, flexible and adaptive integration, pooling, FDA conform logging functionality, customer IT interface etc.	
Throughput	500 samples / 60 minutes with fill-level monitoring 600 samples / 60 minutes without fill-level monitoring	

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