

PT 600

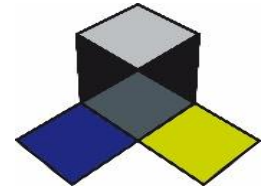
Automatic Pipetting System

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 framework for new tasks





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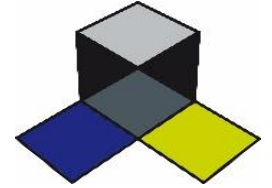
Our answer to COVID-19 - but you can use it for much more than that

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 DM 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 - 1000µL)
- Quantity control of the withdrawn liquid using computer vision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
- Automatic pooling preparation
- Highly efficient and accessible IT system with data exchange, FDA 21 audit trail and electronic signature functionality





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FUNCTION OVERVIEW

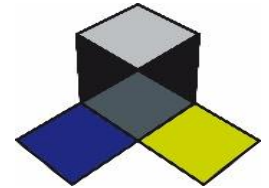
Our PT 600 can handle:

- ✓ all common COVID-19 sample sizes
- ✓ screwed-lid & snapped-lid samples
- ✓ several common manual pipettes & standard pipette tips
- ✓ automatic pooling preparation

Special features:

- ✓ 2 large doors guarantee great access to the system
- ✓ a more than sufficiently dimensioned Hepa 14 filter system and 2 UVC-lights with over 100 watt offer safety for your employees





Product specifications

Model	PT 600	
Dimensions	2120x1100x2080cm (LxWxH)	
Weight	740kg	
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 filtration, 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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