

# PT 300

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

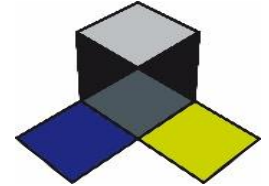
## OUR IDEA

- 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
- Small dimensions – easy to handle

PT 300 – Our small model

## Automatic Pipetting System





# PT 300

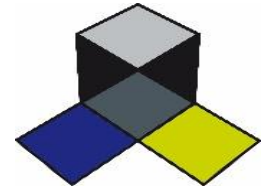
Our answer to COVID-19 - but you can use it for much more than that

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 (sample carrier)
- Opening / closing the sample lid
- Collecting liquid from the samples (40 $\mu$ L - 650 $\mu$ L)
- 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





# PT 300

## FUNCTION OVERVIEW

### Our PT 300 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)

### Special features:

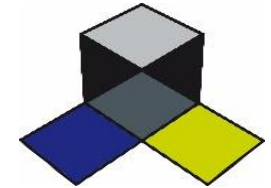
- ✓ Handling of Falcon pooling samples (e.g. COVID-19 school testing)
- ✓ a Hepa 14 filter system, including UVC-light, to clean the interior and offer safety for your employees
- ✓ the DeepWell plate 96 is covered at all times
- ✓ all operating units incl. control cabinet accessible from the front
- ✓ no compressed air needed – only a 220V power connection
- ✓ narrow side by side setup possible
- ✓ easy movable due to manual hydraulic wheels
- ✓ CE certified

PT 300 – Our small model



### Additional options:

- Quantity control of the withdrawn liquid using computer vision
- 3D vision of the pipette tips
- Pooling of individual samples (HW & SW)



## Product specifications

<b>Model</b>	<b>PT 300</b>	
Dimensions	1450x790x1920mm (LxWxH)	
Weight	400kg	
Electrical requirements	Power	3 Phase 400V,N,PE / 1 Phase 230V,N,PE
	Hz	50-60Hz
	Power Consumption	~5KW
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, HEPA 14 filtration incl. UVC-light, Falcon pooling, flexible and adaptive integration, FDA conform logging functionality, customer IT interface etc.	
Additional options	Quantity control of fill levels, 3D vision of pipette tips, pooling of individual samples (HW & SW)	
Throughput	250 samples / 60 minutes with fill-level monitoring 300 samples / 60 minutes without fill-level monitoring	

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