

DS-L 420

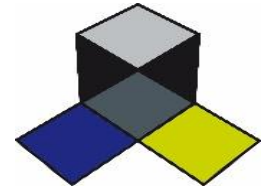
420 samples in 60 minutes -
we automate your dry swab sample transfer processing!

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

Dry Swab - Laser Cut





DS-L 420

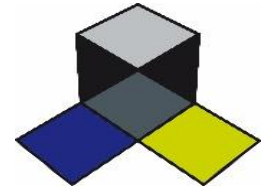
Our answer to COVID-19 - but you can use it for all dry swab samples with plastic tubes.

It is a highly efficient stand-alone system for the automatic opening, transferring and laser cutting of dry swabs.

THE PROCESS

- Acquisition of the individual samples by scanning the 1-2D code and assigning the samples to a customer order
- Opening the sample by pulling the swab out of its plastic tube
- Aligning and transferring the swab into the DeepWell plate 96
- Laser cutting the applicator tip
- Disposing the leftover swab
- Highly efficient and accessible IT system with data exchange, FDA 21 audit trail and electronic signature functionality





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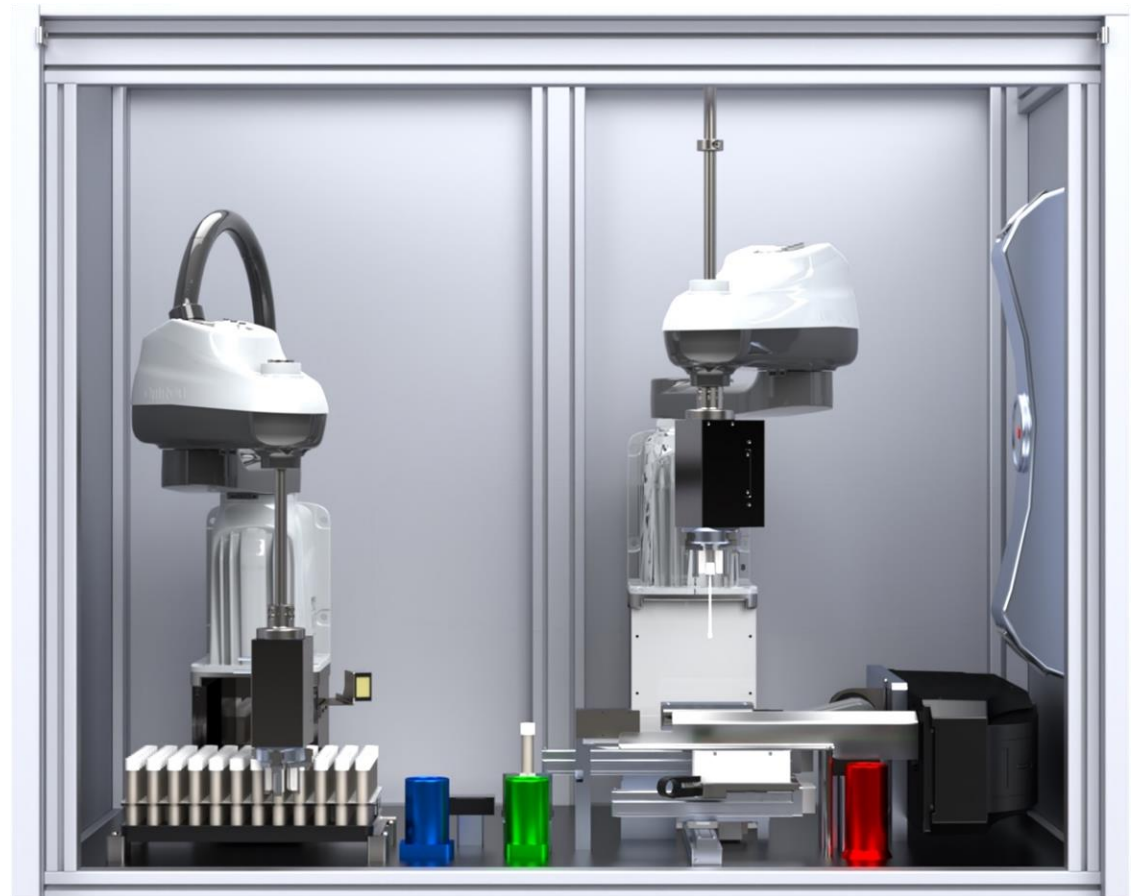
FUNCTION OVERVIEW

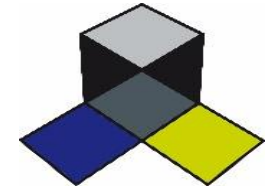
Our DS-L 420 can handle:

- ✓ all common COVID-19 dry swab sample sizes
- ✓ screwed-lid & snapped-lid samples

Special features:

- ✓ 2 large doors guarantee great access to the system
- ✓ a Hepa 14 filter system including UVC-light
- ✓ UVC cleaning the tube Adjustment after each contact
- ✓ Carryover and contamination free – the DeepWell plate 96 is covered at all times
- ✓ CO₂-Laser for contact-free cutting
- ✓ air extraction while laser cutting (Hepa 14)
- ✓ easy moveable with hydraulic rollers
- ✓ no compressed air needed
- ✓ CE certified





Product specifications

Model	DS-L 420	
Dimensions	1450x780x2000cm (LxWxH)	
Weight	450 kg	
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, lid opening, CO2-Laser cutting, HEPA 14 filtration with UVC-light included, flexible and adaptive integration, hydraulic rollers, FDA conform logging functionality, customer IT interface etc.	
Throughput	420 samples / 60 minutes	

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