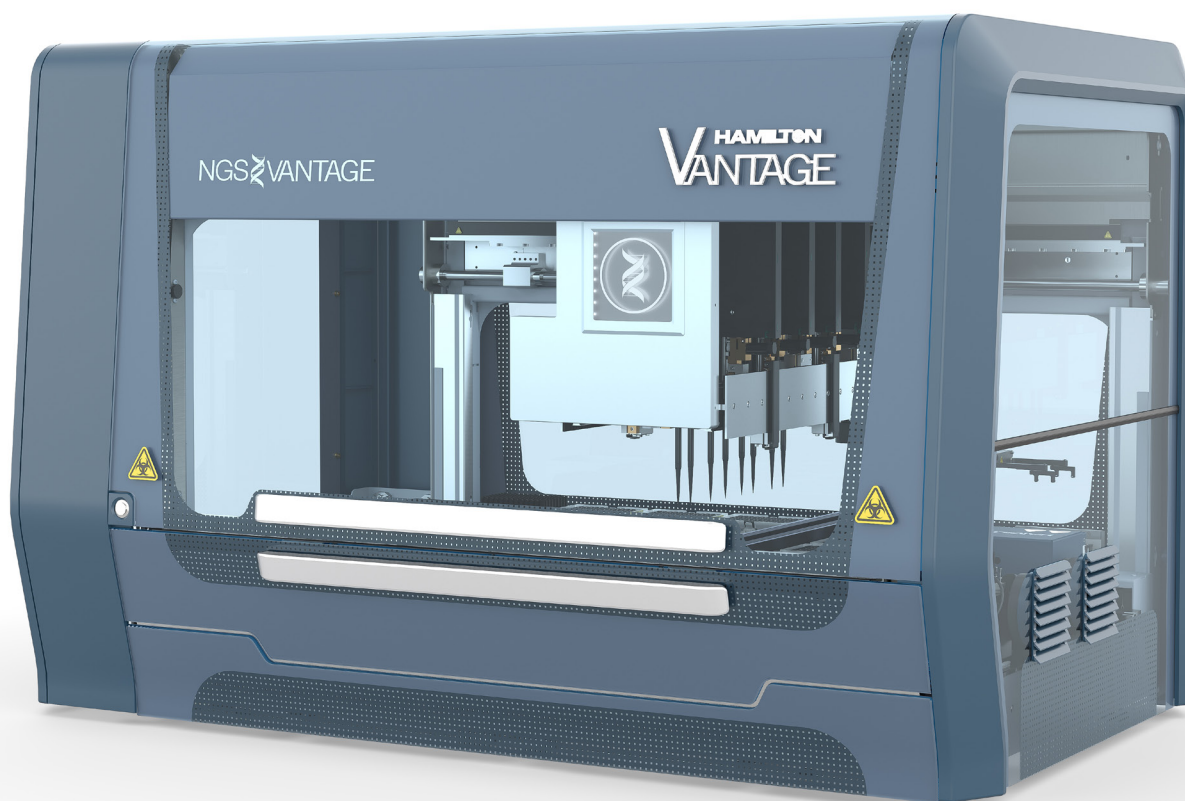


NGS VANTAGE

Level-up your Library Prep



Communicative.

Maximum process reliability via intelligent safety lights



Cool.

Temperature control devices meet reagent and sample needs



Contemporary.

NGS steps into Hamilton's automation technology future

SMART. EFFICIENT. INTELLIGENT.

- Based on the ML VANTAGE for medium-to-high throughput
- 2D-Barcode Reader for traceability of samples and reagents
- Temperature-controlled pipetting positions meet the needs of protocol steps
- Integrated On-Deck Thermo Cycler with automation-friendly PCR ComfortLid
- Qualified methods for time-efficient workflow implementation
- INSTINCT V benefits now available for your NGS workflow

It's time for the next step. Welcome the newest member of our NGS library preparation family: the NGS VANTAGE. It cares about your library preparation automation with respect to usability, reproducibility, traceability and safety needs; not only for medium but also high throughput.

TEMPERATURE

The NGS VANTAGE workspace is equipped with all modules and devices required for your automated library preparation workflow. Because precision is key in NGS library prep, we offer several temperature-controlled positions. The Cooling Carrier Module ensures optimal temperature for samples or reagent tubes and traceability by scanning the appropriate

1. Hamilton PCR ComfortLid
2. INHECO CPAC
3. Magnetic Stand (Thermo Fisher-Ambion)
4. Hamilton Cooling Carrier Module
5. Hamilton Quad CO-RE® Gripper
6. Hamilton ODT (On-Deck Thermo Cycler)
7. INHECO Thermoshake AC
8. Hamilton ID Loading Device

barcodes during the loading of the carrier. Double INHECO CPAC capacity ensures temperature-controlled positions being accessible by Pipetting Channels and Multiprobe Head 96. Perfect bead handling is provided by INHECO Thermoshake AC.

The On-Deck Thermo Cycler (ODTC) instrument, together with the Hamilton PCR ComfortLid reduces hands-on time and ensures precise and uniform incubation steps.

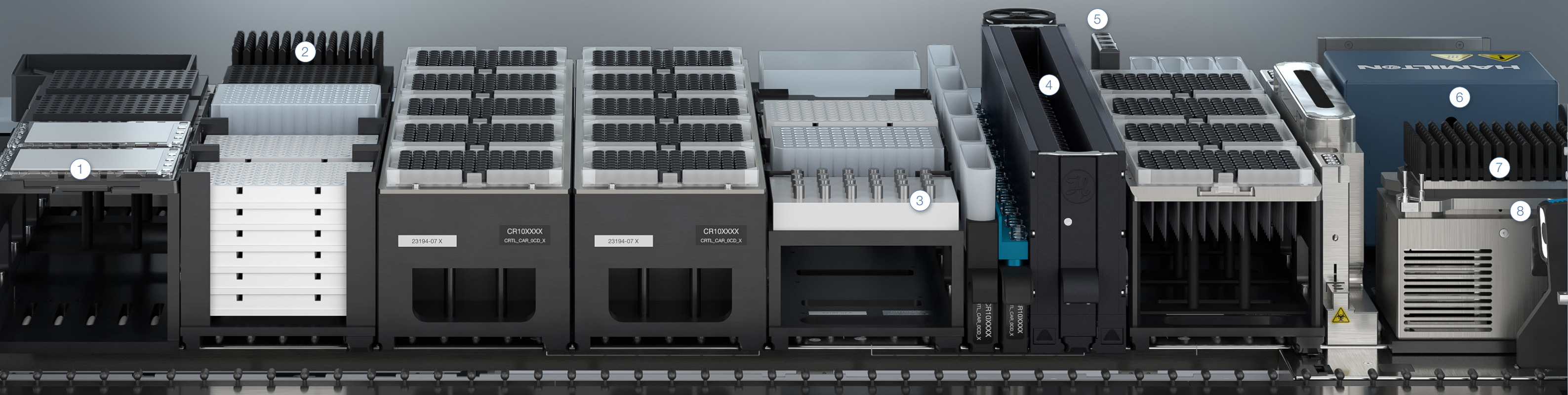
INTELLIGENT

Safety is the core issue in any laboratory. Whether for you as a user, for your samples and processes, or the investment as it is. Therefore, it's essential for us that you can work with an optimal system, both today and tomorrow. NGS VANTAGE Status Light colors indicate running, error, finished, or user input required. Since it illuminates the inside of the Pipettor, the status is still visible from a distance.

On the software-side, the NGS

VANTAGE Framework (based on INSTINCT V software) ensures that programming new methods is even more user-friendly. This means that even complex NGS methods can be programmed quickly and be tailored to the needs of the user.

Additionally, the internal Plate Gripper and Quad CO-RE Gripper for plate transport steps, combined with a magnetic stand completes the ideal library prep system: NGS VANTAGE.



Specifications

Physical Dimensions NGS VANTAGE 1.3 and 2.0

Description	NGS VANTAGE 1.3	NGS VANTAGE 2.0
Width	1490 mm	2159 mm
Depth	959 mm	959 mm
Height with closed door	963 mm	963 mm
Height with open door	1005 mm	1005 mm
Weight	approx. 400 kg	approx. 550 kg

Pipetting Volumes

Tip Size	Precision CV (%)
50 µL	1 µL Volume ([R] 5%; CV 4%)
300 µL	50 µL Volume ([R] 2%; CV 0.75%)
1000 µL	100 µL Volume ([R] 2%; CV 0.75%)

Ordering Configurations

Description	Part Number
NGS VANTAGE 1.3	827005
NGS VANTAGE 2.0	827006
NGS VANTAGE 1.3 MPH96	827007
NGS VANTAGE 2.0 MPH96	827008

Add-On Option

Description	Part Number
MPH trough carrier option for NGS VANTAGE 2.0 MPH96	188039 (1x), 188229 (5x)
MPH trough module for NGS VANTAGE 1.3 MPH96	188229 (1x)
NGS VANTAGE 1.3 Bench	10068424
NGS VANTAGE 2.0 Bench	10071145
Swing Arm for Monitor (only available in combination with bench)	188142
Huber Mini Chiller Olé 280 for Cooling Carrier	GZ-12751-18
Huber Tubing Adapter NW8	6086

Required Consumables

Labware	Manufacturer	Part Number
50 µL Filtered Tips	Hamilton Bonaduz AG	235948
300 µL Filtered Tips	Hamilton Bonaduz AG	235903
1000 µL Filtered Tips	Hamilton Bonaduz AG	235905
60 mL Reagent Troughs	Hamilton Bonaduz AG	56694-01
Hamilton PCR ComfortLid	Hamilton Bonaduz AG	814300
MagNA Pure LC Medium Reagent Tubs 20	Roche	03004058001
MIDI (0.8 mL) 96-Well Plates	Thermo Fisher Scientific™	AB-0859
Nalgene™ Disposable Polypropylene Robotic Reservoirs	Thermo Fisher Scientific™	1200-1300
HSP (PCR) 96-Well Plates	Bio-Rad	HSP-9601
0.5 mL Screw Cap Microtubres	Sarstedt	72.730.406
2.0 mL Screw Cap Microtubres	Sarstedt	72694.406
4.0 mL Screw Cap Microtubres	Sarstedt	62.611

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System Specification

Description
+15 - +35°C
Humidity: 15%-85% with no condensation
Altitude: 0-2000 m above sea level

Pipetting Channels

Description
CO-RE® Technology
Independent Channels
capacitive Liquid Level Detection (cLLD)
Tip Type Detection



To find a subsidiary or distributor in your area, please visit, www.hamiltoncompany.com/support.

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Email: infoservice@hamiltonrobotics.com

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