



OMNIS

SAMPLE ROBOT

A GAME CHANGER

Breaking the limits of all existing automation solutions for titration: The OMNIS Sample Robot allows you to increase sample throughput to new levels, expanding a modular platform. Save bench space, enjoy unique flexibility, and benefit from unmatched performance!

FASTER I

Analyze up to 175 samples completely unattended

Modular automation with OMNIS means: Start with the OMNIS Sample Robot S (two racks, up to 50 samples), scale it up to an OMNIS Sample Robot M (five racks, up to 125 samples), and ultimately analyze up to 175 samples completely unattended on seven racks with the OMNIS Sample Robot L!

FASTER II

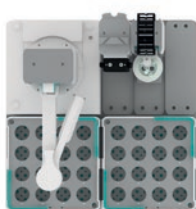
Save up to 60% in time

Your OMNIS Sample Robot accommodates up to four workstations (plus two workstations for liquid handling). Use them to perform up to four titrations in parallel and save 60% of time compared to performing the same application on a stand-alone system. With OMNIS, you can consolidate and automate all your titration applications on a single platform!

FASTER III

Performance without interruption

Assign your titration applications to dedicated workstations of your OMNIS Sample Robot and keep a perfect overview. When your OMNIS Sample Robot has finished analyzing the samples on a particular rack, simply exchange it while the system keeps working – uninterrupted.



OMNIS Sample Robot S

- Up to two Pick&Place Modules
- Up to four pumps on a single Pump Module
- Max. 50 x 75 ml on two sample racks
- Up to two titrations in parallel



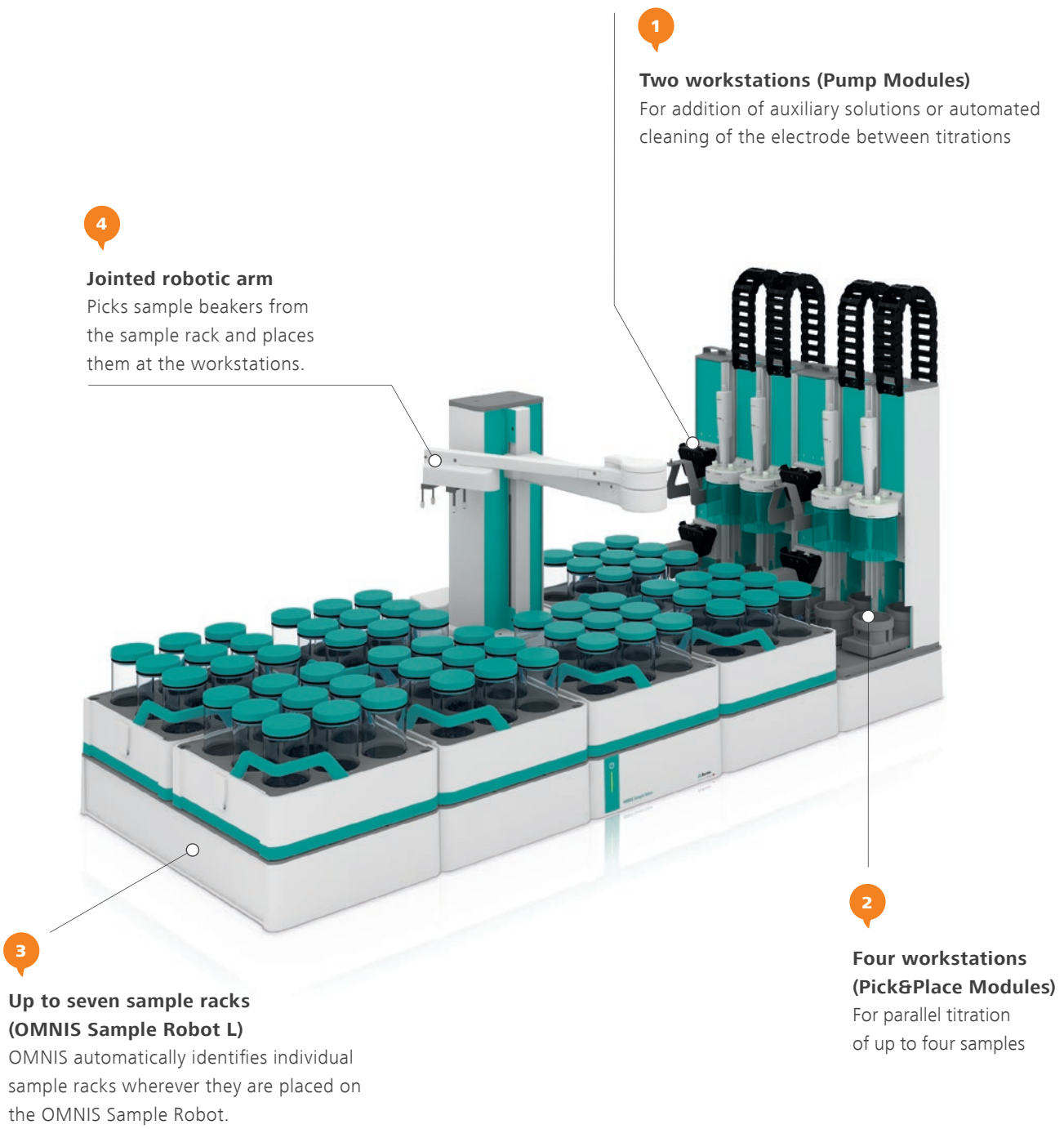
OMNIS Sample Robot M

- Six slots for workstations in total
- Max. 125 x 75 ml on five sample racks
- Up to four titrations in parallel



OMNIS Sample Robot L

- Six slots for workstations in total
- Max. 175 x 75 ml on seven sample racks
- Up to four titrations in parallel



1

Two workstations (Pump Modules)
For addition of auxiliary solutions or automated cleaning of the electrode between titrations

4

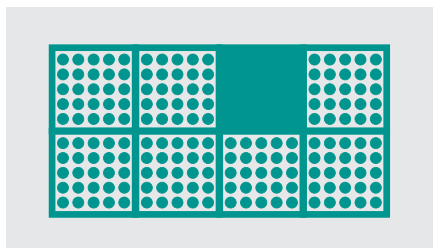
Jointed robotic arm
Picks sample beakers from the sample rack and places them at the workstations.

2

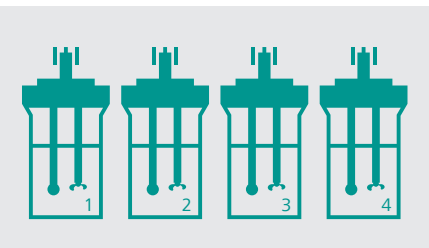
Four workstations (Pick&Place Modules)
For parallel titration of up to four samples

3

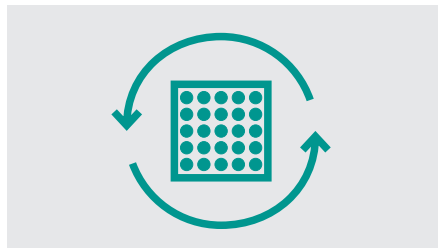
Up to seven sample racks (OMNIS Sample Robot L)
OMNIS automatically identifies individual sample racks wherever they are placed on the OMNIS Sample Robot.



01 **Faster I:** Analyze up to 175 samples completely unattended.



02 **Faster II:** Perform up to four titrations in parallel and save up to 60% of time.



03 **Faster III:** Replace sample racks with already analyzed samples while the system keeps working uninterrupted.

TECHNICAL SPECIFICATIONS

Dimensions with workstations mounted		
Device	Height x depth x width	
Sample Robot S	758 mm x 604 mm x 559 mm	
Sample Robot M	758 mm x 563 mm x 1161 mm	
Sample Robot L	758 mm x 563 mm x 1441 mm	
Weight of the Sample Robot components		
Sample Robot S	Without workstations	19.00 kg
Sample Robot M	Without workstations	26.49 kg
Sample Robot L	Without workstations	31.69 kg
Pick&Place Module	Without stirrer	3.82 kg
Pick&Place Module	With stirrer	3.92 kg
Pump Module	2-channel	4.10 kg
Pump Module	4-channel	5.10 kg

MAXIMUM SAMPLE LOAD

Sample beaker volume	Sample Robot S on 2 sample racks	Sample Robot M on 5 sample racks	Sample Robot L on 7 sample racks
75 ml	50	125	175
120 ml	32	80	112
200 ml	18	45	63
250 ml	18	45	63

MAXIMUM NUMBER OF WORKSTATIONS

Sample Robot type	Max. number of Pick&Place Modules	Max. number of Pump Modules
S	2	1
M	4	2
L	4	2