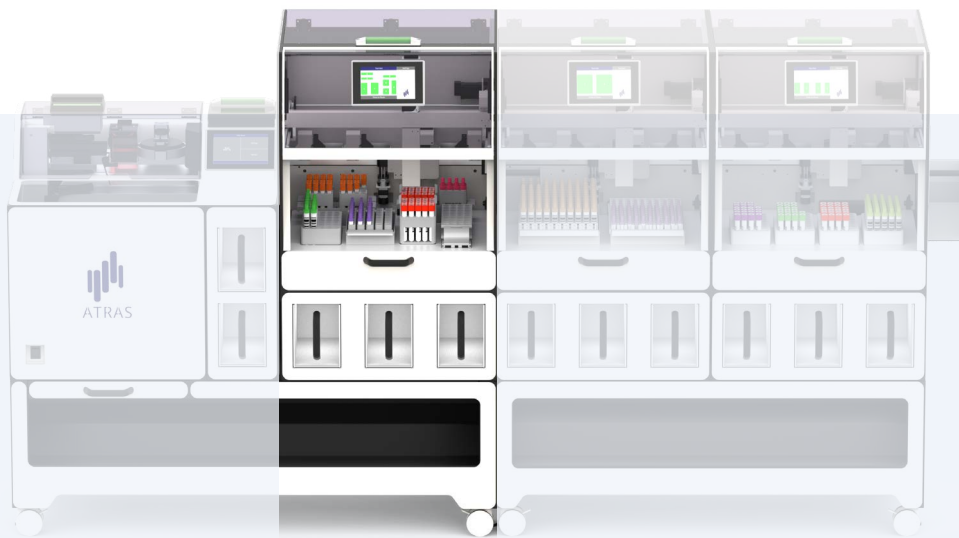


Racksorter

AUTOMATED RACK SORTING FOR OPTIMIZED LABORATORY WORKFLOWS



The Racksorter is designed for continuous sample processing with maximum flexibility and ensures that samples are prepared efficiently for downstream analysis. It automatically sorts registered samples into laboratory-specific racks, centrifuge buckets and/or target bins. Up to three Racksorters can be combined with the ATRAS Base Unit within a footprint of just 1.6 m², delivering bulk-to-rack throughput of up to 3,000 samples per hour.

THROUGHPUT rack sorting

1,300

SAMPLES/HR/MODULE

NOISE LEVEL ≤

65

DB (A)

FOOTPRINT <

0,41M²/MODULE

WEIGHT

95

KG approx./MODULE

SPECIFICATIONS

Dimensions (WxHxD)	600 x 1,390 x 675 mm
Throughput (only target bins)	≤ 3,000 samples
Throughput (only into racks)	≤ 1,300 samples
Sample input	via ATRAS conveyor
Sample output	into bulk target bins, racks, centrifuge buckets or transfer via conveyor/InTrac

REQUIREMENTS

Ambient temperature	15°C–32°C
Power consumption	approx. 250 VA
Voltage	AC 100–240 V
Frequency	50–60 Hz

CAPACITY

Number of target bins	3
Capacity per target bin	150–200 samples
Rack area capacity	up to 8 individual racks
Rack area dimensions	456 x 316 mm

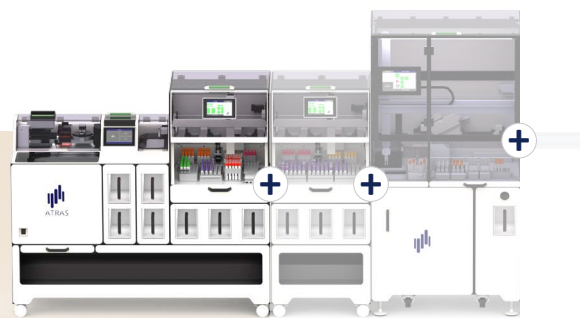
[View validated racks](#)

Rack sorting built around your workflow

Thanks to its open, modular design, the ATRAS series can be tailored to your laboratory layout, workflows and throughput requirements, with complete freedom to choose your downstream systems.

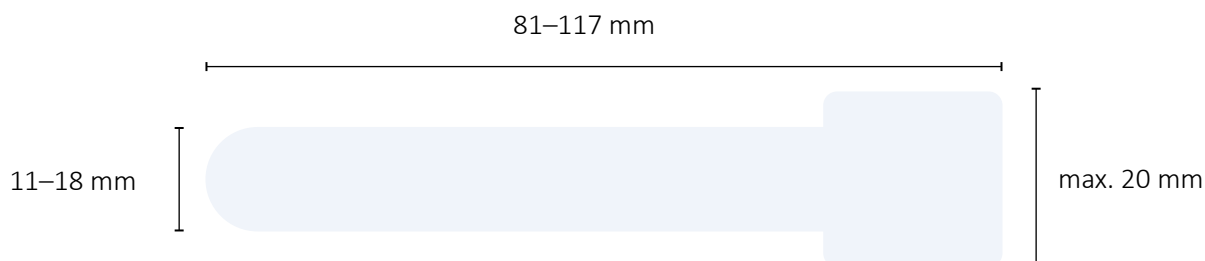
The Racksorter can be added to new and existing ATRAS R4 configurations. With up to three Racksorter modules, throughput can be scaled to match your laboratory's needs.

Optional automatic barcode alignment ensures that samples are correctly positioned for efficient downstream processing.



TUBE DIMENSIONS

Samples must be within the specified dimensions to ensure reliable handling.



Length (including cap):	81–117 mm
Tube diameter (without cap):	11–18 mm
Maximum cap diameter:	20 mm

