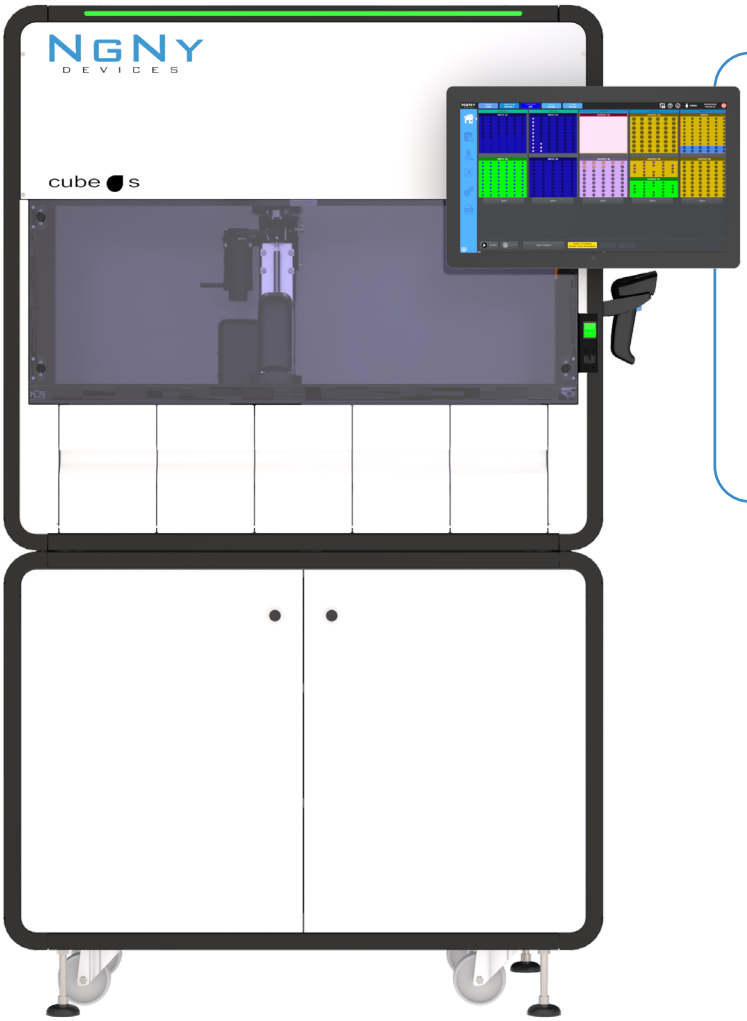
# cube s

## Datasheet

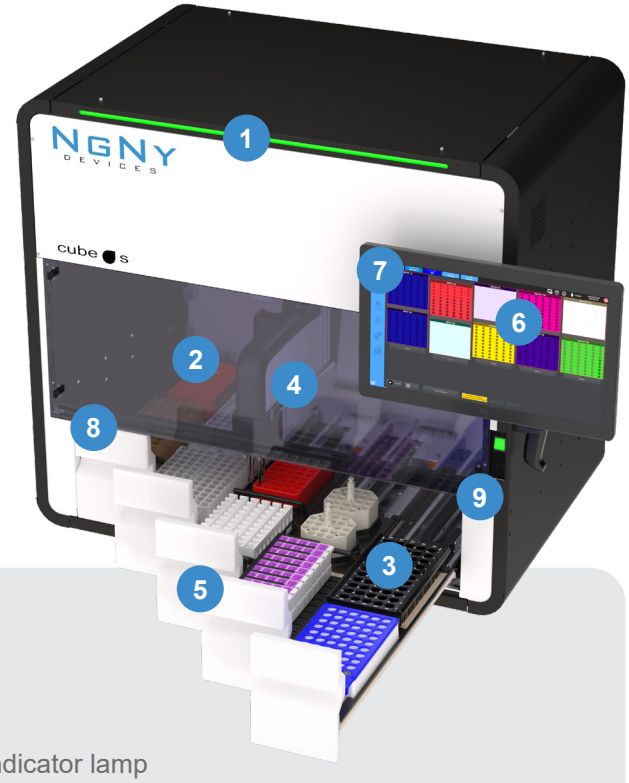
Release 3.0

Smart workflow management and sorting from rack to rack
in a compact and robust design.




## Highlights

- Continuous loading, registration and sorting of sample tubes from/to racks
- Efficient tracking and routing based on pending tests and priority
- High adaptability to customer workflow
- Automatic detection of most efficient tube journey thanks to dual connection to LIS and/or middleware
- Single-tube-traceability for safe archiving

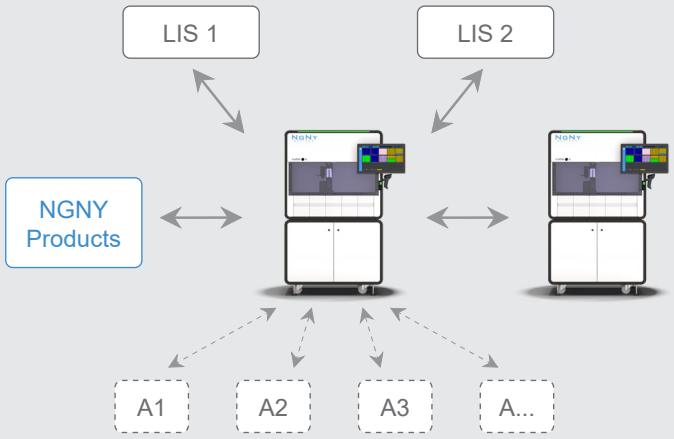



## Adaptability

- Customizable rack input and output area which admits a wide range of rack types
- Easy change of rack combinations
- Supports the most commonly used primary tubes as well as barcode types
- Handling of racks with a mix of capped and uncapped tubes

1. Status indicator lamp
2. Internal barcode scanner
3. Barcode orientation within rack
4. Robot for sorting tubes into racks
5. Customizable rack input and output zone
6. Integrated software for intelligent tube routing
7. Intuitive interface and software
8. Buffer rack with repicking function
9. Optional: hand scanner

Intelligent management
of two simultaneous LIS / middleware etc. connections



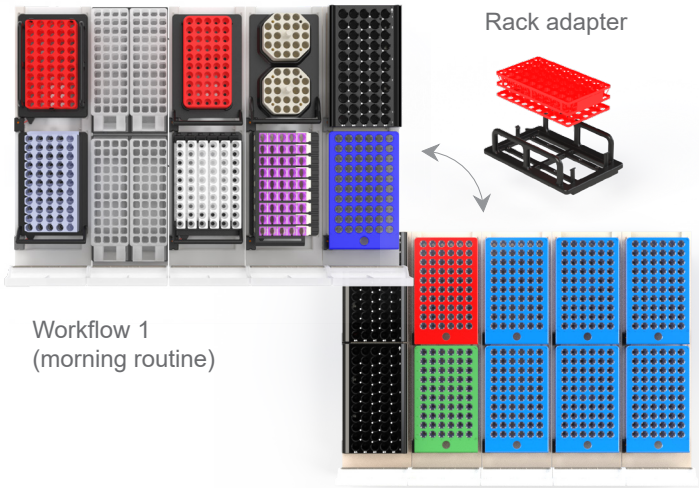

Unlimited amount of analyzers / sorting areas

## Smart workflow management

- Integrated software for intelligent routing and high traceability
- Double interface available to connect two LIS and/or middleware with one CUBE S
- Multiple CUBE systems and all NGNY products can be connected to share one common database

## Operation modes

- Multiple modes can be configured to change between several workflows throughout the day
- For each mode a varying number of input and output racks can be defined
- Compatible with a wide range of analyzer racks
- Rack adapters enable quick and effortless rack changes




Workflow 1
(morning routine)

Workflow 2 (archive)

## Technical specifications summary

| | |
|---|---|
| Dimensions (WxDxH) | 1.100 mm x 705 mm x 1.770 mm |
| Throughput up to | 700 tubes/h |
| Racks capacity (standard) | 600 tubes |
| Customizable input/output zone | Yes |
| Barcode orientation | Yes |
| Direct use of analyzer racks | Yes |
| Sample loading | Handling of racks with a mix of capped and uncapped tubes |
| Supported barcode types | Code 39, Code 128, Interleaved 2 of 5, Codabar, Code 93 |
| Noise level | < 65 dBA |
| Electrical supply | 100–240 V \| 50/60 Hz \| 300 W |
| Weight | 185 kg |
| Operation temperature range | 10–40 °C |
| Connection (source of information) | LIS/middleware, etc. |
| Communication drivers | ASTM / web service |
| Connection mode | Host —query or download |
| Regulatory | CE marked, ROHS compliant, REACH |

NGNY DEVICES

Activate your ingenuity
Connect with NGNY

Av. Cornellà, 144, planta 6
08950 Esplugues de Llobregat
(Barcelona)

**info@ngny.tech**
**https://www.ngny.tech**

NGNY guarantees the availability of spare parts for at least 7 years from the date of manufacture.
The useful life of the machine is estimated to be 7 years under normal operating conditions.