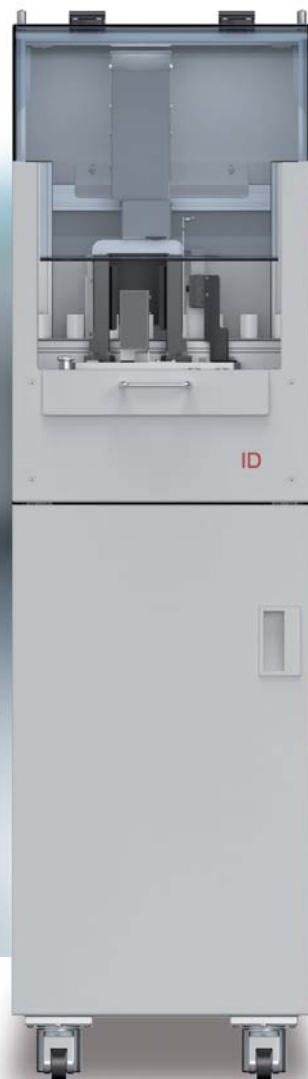


ID

# Identification module

The **H**igh **S**peed **S**orter

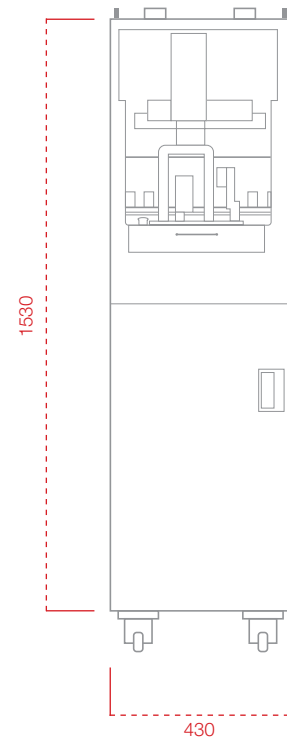


# DATA SHEET

## Identification module

For identifying important features of sample tubes, such as:

- tube type
- barcode
- centrifugation status



430 x 760 x 1530 mm (W x D x H)

### Technical specifications

<b>Tube types:</b>	Open or closed tubes are permissible Length: 80-110 mm (with cap) Diameter: 11-16 mm
<b>Camera:</b>	3 MPixel colour CCD camera
<b>Lighting:</b>	LED
<b>Optional</b>	
<b>Gel Check:</b>	Comprises camera and laser module The centrifugation status is determined based on the data from both processes
<b>Barcode reader:</b>	Recognises and reads all common barcode types
<b>Alignment function:</b>	Tubes are aligned based on the position of the barcode
<b>Throughput:</b>	Up to 1,200 tubes/hour
<b>Measurements:</b>	See diagram
<b>Weight:</b>	approx. 75 kg

The ID module provides the HSS system with the information it needs to process sample tubes. The CCD camera identifies the tube type (length, diameter, shape, cap colour, manufacturer), whether it is open or closed, and optionally for gel tubes, whether or not they have already been centrifuged. This avoids re-centrifugation and preserves the quality of the sample. The alignment function prevents disruptions in the next step by positioning the tubes so that the barcodes can be easily read.

In the modular system, the ID module comes directly after the IO module used to feed in the samples.

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