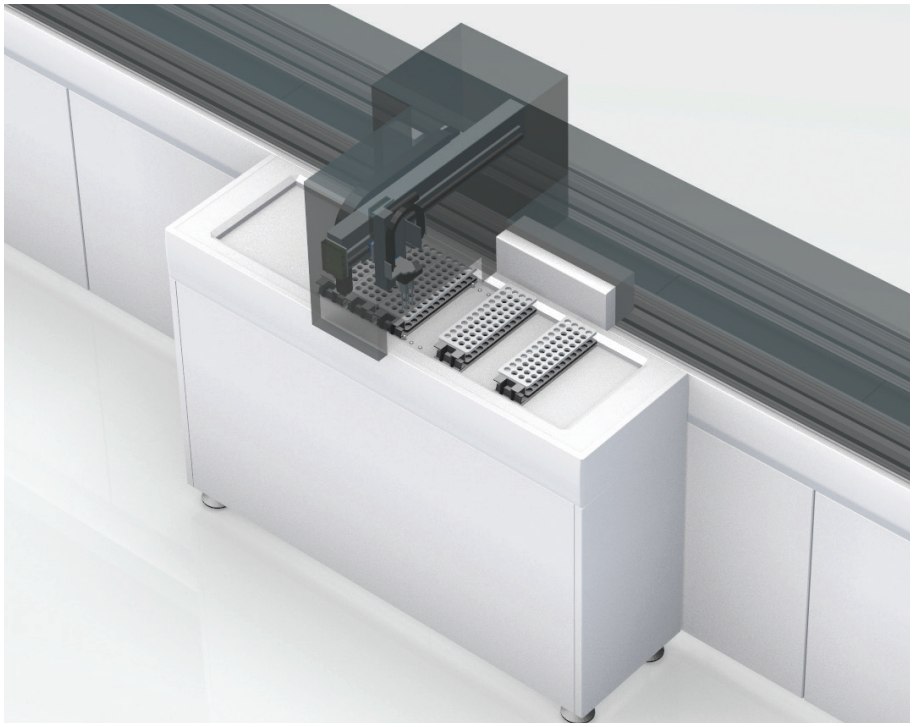
Rack Output Module (ROM)
Technical Data Sheet

The Rack Output Module unloads sample tubes into racks by a point of sample tube unloading, when sample tubes are completed or need to be sorted. The Rack Output module can process simultaneously different tube types and sizes.



Benefits

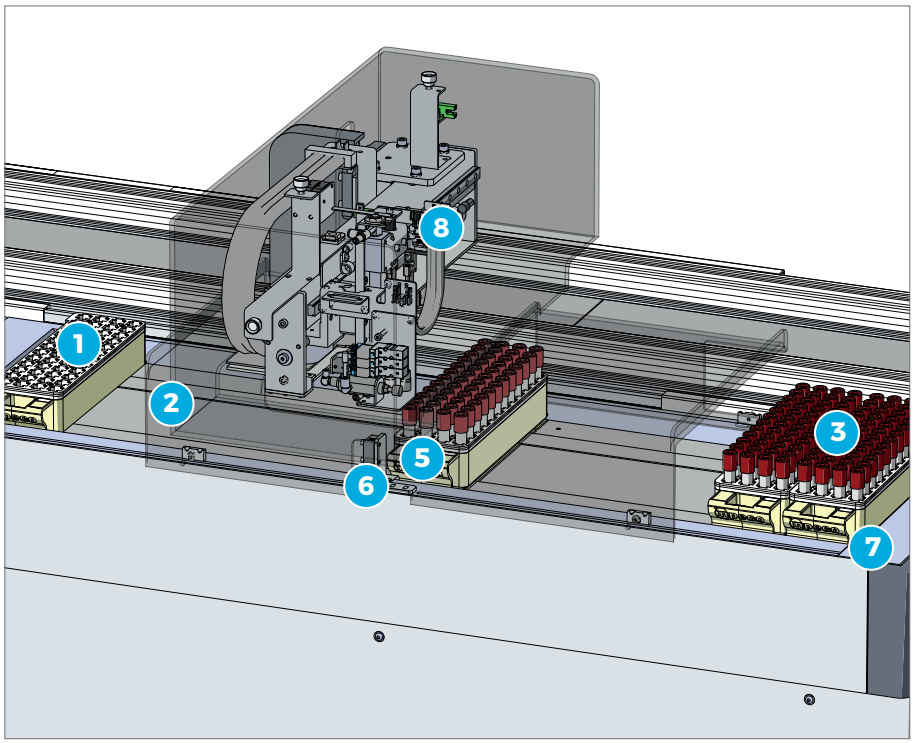
> Immediate output of samples not requiring automation storing

> Customized sorting of Tubes (external labs, offline analyzers) and possibility to assign a specific ROM to each Analyzer type

Applications

> As output: tubes not addressed to Storage directly unloaded

> As sorting out: tubes addressed to a stand-alone specialty directly collected into ROM



1. Loading Rack Position
2. Input Rack Buffer
3. Unloading Rack Position
4. Output Rack Buffer
5. Active Rack Position
6. Tube Presence Sensor at the Active Rack Position
7. Loading/Unloading LED
8. Rack Output Module Robot

Main **Features**

Throughput	Up to 800 tubes/h
Walk-away capacity	288 tubes (rack buffer capacity)
Tube specifications	
Sample type	All (spun and unspun)
Cap type	All (capped, uncapped, and sealed)
Dimensions (mm)	13x75, 13x100, 16x75, 16x100
Position along the automation	- As output module: before input area and after analytical area - As sorting module: where is more useful to workflow

The maximum throughput calculations are obtained in optimized and standardized conditions, as tested by Inpeco.

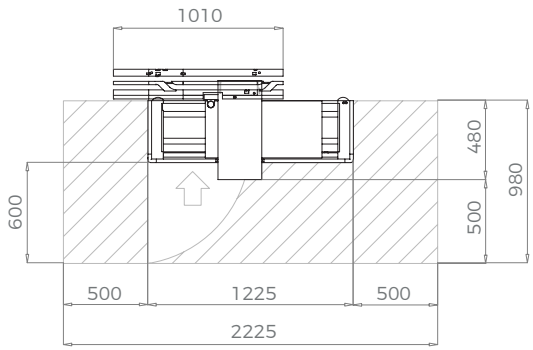
Other **Features**

- ROM can locate 6 48-positions racks, uniquely identified by a Barcode ID
- A sample rack Barcode Reader allows sample rack identification at the Rack active position and at the Sample Rack Removal Position
- ROM has one red LED and one green LED that alternately light up according to belt functioning

Technical Specifications

Dimensions (LxHxD) (mm)	1225x1530x480	Maximum continuous current (A)	/
Main clearances (left x right x front) (mm)	500x500x600	Maximum alternate current (A)	2.7
Weight (Kg)	115	Total power consumption (W)	621
Compressed air (NL/min)	10.05	Heat (BTU/h)	1689.1
Power inlet point	230 Vac		

Technical Drawing



Module dimensions and clearances expressed in mm.

Ordinary Maintenance

Operator[1]	/
Service[2]	Every 90-180 days, according to operations

[1] According to Operation Manual. [2]The periodicity depends also on the routine tubes/day. For more details refer to Service Manual.

Part Numbers	FlexLab™	FlexLab™ for High Throughput
Module	FLX-216-04	N.A.
Slot	FLX-516-02	N.A.

N.A. = Not Available.

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reference code: SSF-ROM 23.03
version n°: EN03