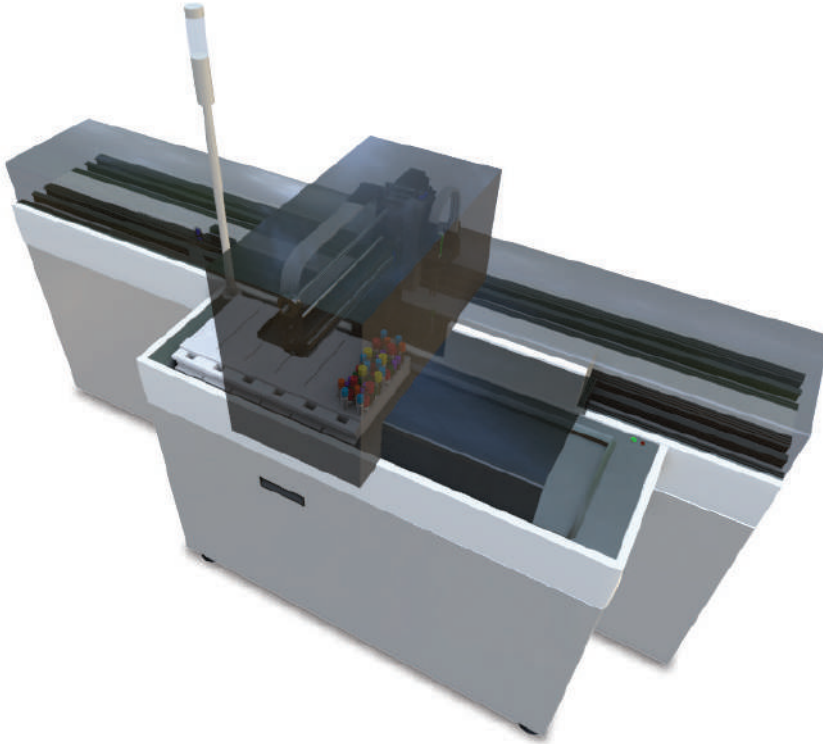


Rack Input Module (mRIM)

Technical Data Sheet

The Rack Input Module provides a point of sample tube input with barcode tube identification and tube type identification. The Rack Input Module is able to process different tube types and sizes, centrifuged or not, capped or uncapped, sealed or unsealed, according to its configuration.

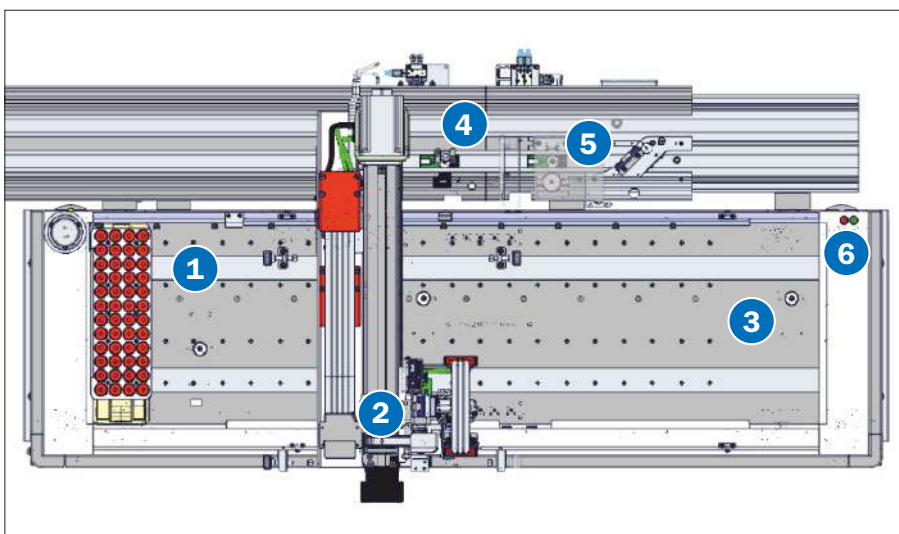


Benefits

- > Fast and easy loading of sample tubes from rack onto automation track
- > Handles various tube types and sizes, spun or unspun, capped or uncapped, sealed or unsealed
- > Full traceability of the sample journey

Applications

- > Loading of sample tubes in racks



- ① Loading Rack Area
- ② Robot
- ③ Unloading Rack Area
- ④ Loading Gate
- ⑤ Tube Identification Module (TIM)
- ⑥ LEDs



Main Features

Throughput	1000 tubes/h
Walk-away capacity	288 tubes
Tube specifications	
Sample type	All (spun and unspun)
Cap type	Capped, Uncapped, Sealed, Unsealed
Dimensions (mm)	13x75, 13x100, 16x75, 16x100
Position along the automation	Input Area

Other Features

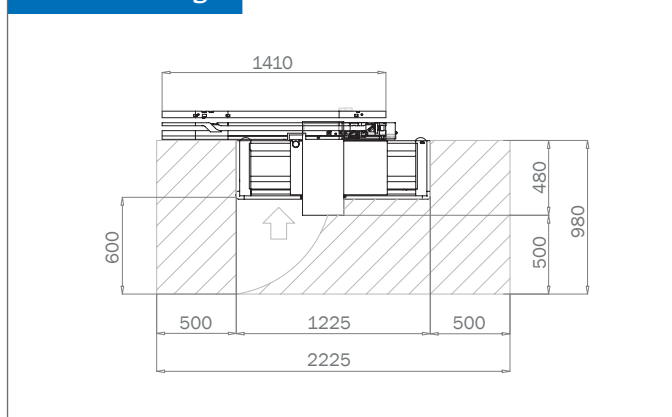
- > The mRIM can locate up to 6 48-position racks, uniquely identified by specific antennas
- > The mRIM allows automatic sequential loading of sample tubes according to FIFO (First In-First Out) logic
- > The mRIM Rack Transport Belts, driven by a motor, have a nominal speed of 80 mm/s \pm 5%
- > The mRIM has two LEDs (one red LED and one green LED) that alternatively light up according to belt functioning
- > The mRIM can be combined with the Tube Identification Module (TIM)

Technical Specifications

Dimensions (LxHxD) (mm)	1225x1530x480
Main clearances (left x right x front) (mm)	500x500x600
Weight (Kg)	120
Compressed air (NL/min)	5.06
Power inlet point	230 Vac

Maximum continuous current (A)	/
Maximum alternate current (A)	2
Total power consumption (W)	460
Heat (BTU/h)	1251.2

Technical Drawing



Module dimensions and clearances expressed in mm.

Ordinary Maintenance

Operator ¹	Weekly, monthly
Service ²	Every 90-180 days, according to operations

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

Part Numbers

	FlexLab Standard	FlexLab HT
Module	N.A.	FLX-214-11
Slot	N.A.	FLX-545-11

N.A. = Not Available.

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