



PTL MACHINE

Two thirds of the information a physician needs to diagnose a patient comes from the laboratory, so why don't we let the laboratory staff get back to running the tests, instead of handling incoming carriers from the pneumatic tube system and manually sorting samples for the pre-analytical steps.

The Graniten PTL machine receives carriers from the pneumatic tube system, opens, empties them and returns the empty carriers. The fully automatic machine sorts the sample tubes, using user defined criteria, into multiple output options, all without needing any manual input from staff.

The machine increases efficiency of the laboratory by minimizing interruptions and manual handling, thus allowing staff to focus on the diagnostic stages.

Main Features

- Fully automatic carrier handling
- Sample tubes are automatically sorted and fed to the lab automation system
- Flexible carrier handling - with or without inserts
- Pre-check of samples, based on user defined criteria
- Reject function and alarm
- Multiple output location: laboratory automation conveyor, waiting station, manual handling, conveyor for another analyser etc.
- 'First in first out' - samples are not buried at the bottom when new samples arrive
- Sample load balancing at peak periods to reduce stress
- User-friendly HMI
- Dedicated user and user-level log ins for traceability and quality assurance
- Remote support to reduce downtime

Technical Data

Capacity

Up to 200 carriers/hour (without insert)

Up to 800 test tubes/hour (with insert)

Short peak input, less than 2 minutes
(3 carriers, totalling 72 test tubes)

Flexibility

Multiple carrier sizes (Ø160mm, length ~340 - 365 mm and Ø110 mm, length ~255 mm)

Tube dimensions: Ø10 mm - Ø16 mm, at least 70 mm in length (incl. cap)

Footprint

Length: 1.6 m
Width: 1.3 m
Height: 2.4 m

Media requirements

Electrical: 400V, 16 A, 1,5 kW

Air supply: 6 bar, 120 nL/min

Internet for support & service: VPN or WiFi dongle provided in machine