

Cencorp XPRS Multilevel Test

Direct Flow Test Handling

The Cencorp XPRS Multilevel Test Handler is bringing test handling to a new level. The machine is flexible and can be configured to give our customers the optimal solution for their test-handling needs. It can be equipped with one or two lifter units depending on production volume and test flow setup.

XPRS Multilevel Test handler supports two different test box sizes (heights) 145mm and 290mm. The boxes can be customized based on your needs. Test applications can cover anything from simple ICT Flash testing to complex RF testing applications. There is space for 12 pcs of 145mm test boxes and 6 pcs of 290mm test boxes. Different test applications, test phases and box sizes can be freely combined in the same handler.

The test handler is a perfect solution for PWB panel testing. We support panel sizes from 30 mm to 350 mm (depth) and 50 mm to 400 mm (width). The machine is also supporting *Carrier Frame Technology* which brings new opportunities for testing. One piece flow with single test at a time can be changed to multi execution testing with parallel handling. Carrier Frames are cycled from beginning to end of the testing process. With special return conveyor Carrier Frames are cycled back to the beginning of the testing process for the next products to be tested. Carrier Frames can be



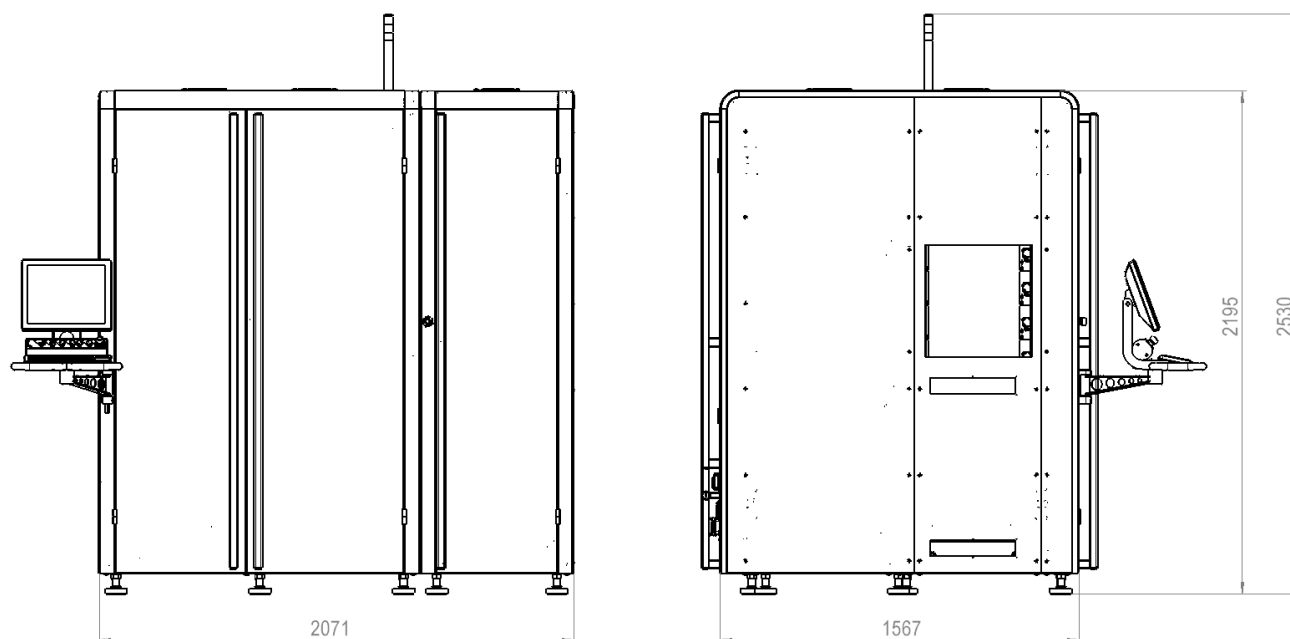
equipped with RFID tags to enable multiple different products under test in one production testing line.

You can also equip the machine with a pass-through conveyor. This enables you to connect multiple XPRS Multilevel Test handlers together in high volume production lines where single test phases are long.

There is plenty of room for test instrumentation both inside the individual test boxes and behind the lifters. No separate test rack is required. Everything can be integrated inside the machine with temperature-controlled environment for test instrumentation.

Cencorp XPRS MLT

Technical Data



General functions

PWB Panel handling with edge belt conveyors
 Carrier Frame handling with edge belt conveyors. Return line conveyor as option
 Middle bypass conveyor for multiple MLTs connected together for high volume lines
 One-level lifter conveyor as standard.
 Two-level lifter conveyor optional

MLT Dimensions

Width: 1400mm
 Depth: 1560mm
 Height: 2195mm
 Weight: 1100kg

Separated Lift unit Dimensions

Width: 670mm
 Depth: 1560mm
 Height: 2195mm
 Weight: 550kg

ICT Flash Testbox Dimensions

Width: 610mm
 Depth: 1250mm
 Height: 145mm
 Weight: 27kg (+ PSPHW and instrumentation)

RF Testbox Dimensions

Width: 610mm
 Depth: 1250mm
 Height: 290mm
 Weight: 40kg (+ PSPHW and instrumentation)

Graphical User Interface

Operating system: Windows
 Motion controller: Beckhoff
 Touch screen: Standard
 Network connection: Optional
 Second user interface on rear side: Optional

Software Options

Cell Statistics
 Traceability
 Automatic program change
 Off-Line programming
 Offline or Online test data collection
 Carrier Frame of DUT product data read options: 2D, Barcode, RFID

Electrical Service Requirements

Voltage (EU/USA): 400/208 VAC 10%
 Frequency (EU/USA): 50/60 Hz
 Branch circuit size: 16 A
 Average power cons.: 2 kVA

Pneumatics Service Requirements

Pressure: 5-7 bar $\pm 10\%$, dry clean air
 Approx. air consumption: 100 l/min
 Environmental Requirements
 Operating temperature: 10 - 30 °C
 Operating humidity (RH): 30% - 85%