

## eonIQ Test Handler ETH-STD

### Universal Handling System

The ETH-STD (test handler with servo drive) is used for In-Circuit-, Function- and EOL-Test.

The contacting unit works one-sided or double-sided, also step by step for panel testing if required.

### Features

- Variable contact strokes with specific knee lever system, spindle-drive and AC-servo motor
- Adjustable transport width from 50-400 mm
- Solid aluminium mechanic
- Precision 4 point pillar guide, conveyor depressing
- Antistatic conveyor
- Maximum flexibility by subsequently upgrading and adapting to new requirements
- Short set-up time, automatic fixture feed and interlocking
- Compatible to established test systems
- Transport height 950mm (Smema)
- RAL 7035
- Anti static covers
- Keyboard/video/mouse-switch for customer-supplied test system
- Customized transport direction
- Conveyor with by-pass function
- Component height up to 30 mm upper side and 35 mm lower side
- Pneumatic bulkhead on infeed and outfeed

### Fixture Kit

Each upper and lower change kit interface includes

- max. contact force 6.000 N
- any amount of interface blocks (pneumatic, electric, RF etc.)
- Interface from upper to lower fixture kit possible
- Test point spacing from 1mm possible (pad-diameter > 0.5 mm)

### Options

- Barcode Reader
- Automatic width change
- Remote maintenance
- Integrated pusher to reduce handling times
- Component height up to 120 mm upper side
- 19" Rack for measurement equipment / 10 RU
- Customized interface from the base unit to the fixture kit, e.g. Virginia Panel, ODU, Pylon, Sub-D



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### General System Description

Dimensions L/W/H	760 / 980 / 1870 mm
Belt height	950 +40/-30 mm (Smema)
Belt speed	Adjustable, up to 30 m/min
Transport direction	left → right or right → left
Width change	50-400 mm
Handling time	Approx. 6-8 sec with belt and low profile components
Control	Siemens S7-1500 (standard), optional Beckhoff
Power Line	230V/AC, 50/60 Hz
Airpressure	6.5-8 bar oil-free and filtered air
Weight	about 450 kg
Pneumatic supply	Z-lift on the upper fixture and continuous air

### Workpiece carriers / PCB boards

PCB dimensions	(LxW) 50 ...400 mm
Component height	Upper side max. 30 mm Lower side max. 35 mm
PCB thickness	min 1.0 mm
Weight	Max 3 kg
Deflection of Board	max 2 mm
Component free Edge	min 3 mm
Tolerance position	+/- 0.3 mm
Test points	Contact force max. 6.000 N

Max. 5° skewing of components, which are higher than 10 mm

