



# MCent

**INLINE TEST SYSTEM  
FOR E-TEST,  
FUNCTIONAL-TEST,  
IC-TEST OR  
HIGH CURRENT-TEST**



The microtester **MCent** is a compact and highly flexible test cell, where contacting head and the camera are mounted to the robot head. Via a width-adjustable belt, the PCBs or carriers are fed into the microtester. The visual recognition system PRS identifies the substrate and determines its exact position. By means of the determined offset values, the adapter is optimally positioned with respect to the substrate and allows precise contacting. The substrates in the carriers or the multiple printed panels may be stepped through in X and Y direction. Together with the new Sirius-adapter technology, the MCent microtester enables an ICT and FCT with  $\geq 200\mu\text{m}$  test points.

On demand, MCent microtester will be customized based on customer requirements.

# MCent

## Specifications

machine type	inline test system
substrate feed	inline or magazine
measurements	open/short/R, flash, in-circuit, function, high current
adapter type	adapter with rigid needles, spring probes or high current probes
contacting way	one side from above, supported from below
contacting area	50 x 50mm or 75 x 75mm
contacting force	≤ 260N
test point size	≥ 200µm
test point pitch	≥ 250µm
PCB- / carrier size W x L	min. 35 x 35mm - max. 200 x 300mm
marker system, optional	inkjet, marker
PCB cleaning, optional	-
changing system	adapter and grid with quick clamping system
fixating of PCB	vacuum
PRS / camera	Cognex with PatMax
control	brick.technology with Windows
user interface	brick.touch on 17" screen
communication	SMEMA
dimension (W x D x H)	700 x 1000 x 2000mm
weight	≥ 250kg
supply	200 - 240V, single phase, 50/60Hz, 1.6kW 6 bar compressed air und -0.8 bar vacuum

## Contacting options

protrusion of the needle and resulting minimum requirements

	needle protrusion	Ø rigid needle	test point	pitch
<b>PCB</b>	0mm – 0.1mm	0.18mm	0.20mm	0.25mm
<b>PCBA</b>	0mm – 2mm	0.18mm	0.25mm	0.30mm
	2mm – 4mm	0.30mm	0.25mm	0.40mm
	4mm – 6mm	0.30mm	0.25mm	0.40mm