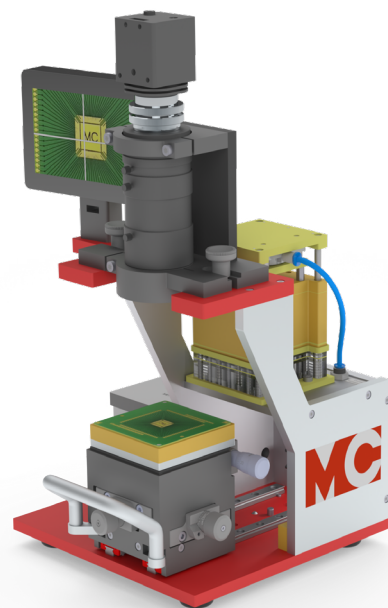


# MCit-2

## MANUAL TEST SYSTEM FOR E-TEST, FUNCTIONAL TEST, INCIRCUIT TEST & FLASH PROGRAMMING



The microtester **MCit-2** is a manual test system for one-sided - conditionally also double-sided - testing of assembled and bare substrates.

The substrates are fed manually. Even the finest position settings along the x and y axis as well as the rotation are possible with precision of to the camera system and the cross table. The high-precision rigid needle adapter makes contact by means of a pneumatic stroke.

The microtester is suitable for small series, use in the laboratory, for debugging the test programs or as a repair station.

This microtester **MCit-2** is available for contacting area up to 50x50mm. The MCit-8 with a test area of 200x200mm is available for larger test specimens.

# MCit-2

## Specifications

maschine typ	manual test system
substrate feed	manually
measurements	measurement according to customer requirements
adapter typ	adapter with rigid needles, optionally with spring probe
contacting way	one side from above, conditionally double-sided
PCB size W x L	70 x 70mm
contacting area	50 x 50mm
contacting force	≤ 350N
test point size	≥ 50µm
testpoint pitch	≥ 150µm
changing system	screwed adapter and substrat fixation
substrat fixation	vacuum, clamps, pins
camera	CCD camera, adjustable focus and aperture, 5" screen
control	manual via cross table
dimension (WxDxH)	200 x 200 x 450mm
weight	≥ 6kg
supply	200 - 240V, single phase, 50/60Hz 6 bar compressed air

## Contacting options

protrusion of the needle and resulting minimum requirements

	needle protrusion	Ø rigid needle	test point	pitch
PCB	0mm – 0.1mm	0.10mm	0.05mm	0.15mm
	0mm – 0.1mm	0.13mm	0.05mm	0.20mm
PCBA	0mm – 2mm	0.18mm	0.10mm	0.25mm
	0mm – 3mm	0.30mm	0.10mm	0.40mm