



## T3R-A

### 3-Wheel Test Tool

#### Applications

The three-wheels test equipment is aimed to test the resistance of any ID-1 card to pressure on the chip and is compliant to ISO/IEC 10373-1 test methods and the latest MasterCard CQM requirements (#8210# test method).

It can be used for:

- Quality control and production control.
- Audit and certification.
- Qualification of new chip and modules components as well as other elements on the card body.

#### Key benefits

- 0.5 Hz cycle.
- From 1 to 10 000 cycles programmable.
- Insert location adjustable.
- Extended test zone anywhere on the card.
- Easy-to-use and robust.



Access Evolution Productivity

#### Technical characteristics

##### User Interface

Programmable cycle counter

##### Card axis

Longitudinal axis only

##### Wheels course

X position: up to 2 mm from edges  
Y lengthwise stroke: 40 mm

##### Applicable Force

8N, 10N and 12N

##### Dimensions

W x D x H: 425 x 295 x 215 mm

##### Weight

17 Kg

##### Power supply

100-230V AC 50/60Hz - 20W

*In compliance with E.C. directives*

#### Associated products

Answer to reset test (ATR) is required after using the T3R and can be easily performed by other MULANN products:

- μCARD
- PVT-A, NTMAGII and NTMAGIII