

**OPTION:**  
**Live antenna detection**  
**for 1 card**



### Features & description

The 3 wheels equipment tests the resistance of the contact or dual interface chip when crushed between 3 wheels and along 1 axis, for 6 and 8 PINS chips. It covers test for 8N, 10N, 12N and 15N.

### Advantages

- Tests for contact cards, dual interface cards, combi cards with ISO chip position
- Possibility to test further than the norm (frequency, number of cycles, extra weights)
- Stand-alone equipment with screen touch interface (30 programs memorized)

### Dimensions and weights

- 450x310x480mm (WxDxH)
- Weight: 22kg

### Norms references

- CQM 2.22 : #3054#, #8210#
- ISO 10373-1 (2020): 6.10



### Compatible advanced 3 wheels test



**OPTION:**  
**Live antenna detection**  
**for 6 cards**

### Features & description

Same equipment than BGi058 above but testing 6 cards together and along 2 axes, for 6 and 8 PINS chips or non-standard chip position (RFID chips, biometric sensors, ...). It covers test for 8N, 10N, 12N and 15N.

### Dimensions and weights

- 840x450x427mm (WxDxH)
- Weight: 56kg

### Norms references

- CQM 2.22: #3054#, #3057#, #8210#, #8270#
- ISO 10373-1 (2020): 6.10

# ID1/ID3 - 3 wheels 2 axes (x1)

# BGi103



**OPTION: Live antenna detection**

**Compliant advanced 3 wheels test for CQM**

## Features & description

Test ID1 and ID3 along 2 axes, for 1 card or 1 passport. Suitable to test chip, biometric sensor, display screen covering 8N, 10N, 12N and 15N tests.

### Description

- 450x460x530mm (WxDxH)
- Weight:34kg

### Norms references

- CQM 2.22 : #3054#, #3057#, #8210#, #8270#
- ISO 10373-1 (2020): 6.10

# Advanced 3 wheels for ISO 18328-2 (x1)

# BGi103B



**For ISO 18328-2: ICC-managed devices  
Biometric sensor, display screen...**

## Features & description

BGi103B version is adapted holding the card with 4 columns, as required in the ISO 18328-2. It performs test along 2 axes, covering 8N, 10N, 12N and 15N tests.

### Dimensions and weights

- 500x560x500mm (WxDxH)
- Weight:35kg

### Norms references

- ISO 18328-2 Annex D-2

# ID1/ID3 - 3 wheels 2 axes (x5)

# BGi098



**OPTION: Live antenna detection:  
for 5 cards / 5 passports**

## Features & description

Same equipment than BGi103 above but testing 5 cards / passports together along 2 axes, covering 8N, 10N, 12N and 15N tests.

### Dimensions and weights

- 1050x480x490mm (WxDxH)
- Weight: 72kg

### Norms references

- CQM 2.22 : #3054#, #3057#, #8210#, #8270#
- ISO 10373-1 (2020): 6.10