



**I/O:
trays and tapes**

**Up to 72 programming sockets, up to 3200 uph
Versatile programmer integration**

Handles multi form factors: μ SD, QFN, DFN, BGA....

Features & description

BGI169 is a multi form factor, IC - SMD - eSIMs pick & place and programming equipment.

Thanks to its versatility and simplicity, it is adapted to produce short runs as well as large productions, offering possibilities of laser engraving and visual validation (OCR).

- I/O: trays and tapes
- 8 programming sockets (up to 72 sockets including 8 verification sockets)
- Moves 8 devices at once (other quantity customizable)
- Accepts various form factor of SMD: μ SD, BGA, QFN, DFN, QFP, MFF2, SOIC, SSOP, PLCC...
- LASER engraving unit for text and datamatrix
- Vision inspection and validation (OCR: Optical character recognition)
- Fume extractor
- Dedicated rejection bin for fails

Advantages

BGI169 has been developed to answer customer requirements in terms of usability, accessibility, and versatility. It offers the following advantages:

- Suitable for IC functionality test, programming and control
- Continuous programming thanks to tray swapping plate solution
- Smart interface with stop, fail, tray replacement alerts
- IC presence / non presence / double IC on tape output
- Automatic rework
- Intuitive touch screen automate color interface
- Easy and quick socket and pickup heads changeover time
- Easy machine access for troubleless maintenance
- Management of component sequenciality (no holes)
- Form factors kit on demand (sockets are BG INGENIERIE development and property)
- Cost effective solution for new form factors
- Sample verifying tray in option

Throughput examples

The equipment is easily adaptable to various configurations and handles up to 72 programming heads (including 8 heads for quality check) whatever your programming cycle time.

8 heads: 3 200uph for IC functionality test

16 heads: 2 000uph with 10s prog with LASER + OCR + verify

16 heads: 3 000uph with 30s prog only

Specifications

- Width: 1800mm
- Depth: 1800mm
- Height: 1920mm
- Weight: 650Kg

Facilities / Environmental conditions

- Power: 100-240V AC
- Frequency: 50-60Hz single phase
- Power consumption: 1000W maximum
- Pneumatic characteristics: 6 bars
- Operating temperature: +10°C to +40°C