

# THE SMALTEC GM703

Changes in specifications and appearance may be made without notice for product improvement

## MACHINING UNIT

Dimensions (w, l, h)	500 mm x 500 mm x 565 mm
Weight	125 Kg / 300 lbs

## XY TABLE

Positioning Range	X: 50 mm, Y: 50 mm
Positioning Detection	Glass scale: 10 nm readout
Minimum Travel Resolution	10 nm

## Z AXIS

Positioning Range	~65 mm
Travel Range	70 mm
Minimum Travel Resolution	50 nm

## MASS OF WORK PIECE

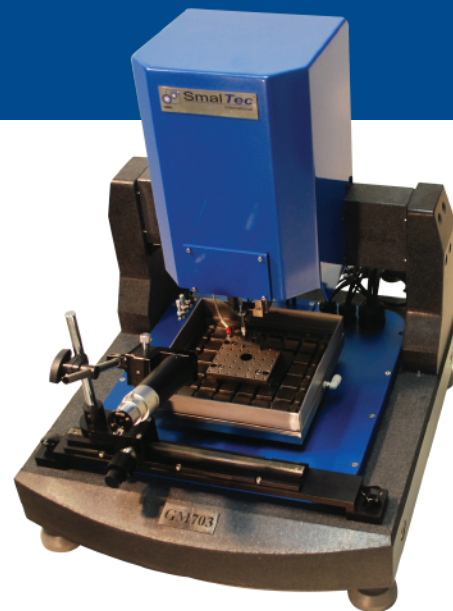
Practical Mass	Max. 1.5 Kg
Maximum Mass (with worktable removed)	Max. 2 Kg*

## ENVIRONMENTAL CONDITIONS

- Recommended ambient temperature:
- 20°C ± 1°C (during high-precision machining)
  - Ambient temperature: 20°C ± 5°C
  - Humidity: 10% - 60%
  - No Vibration

## TOOL ELECTRODE

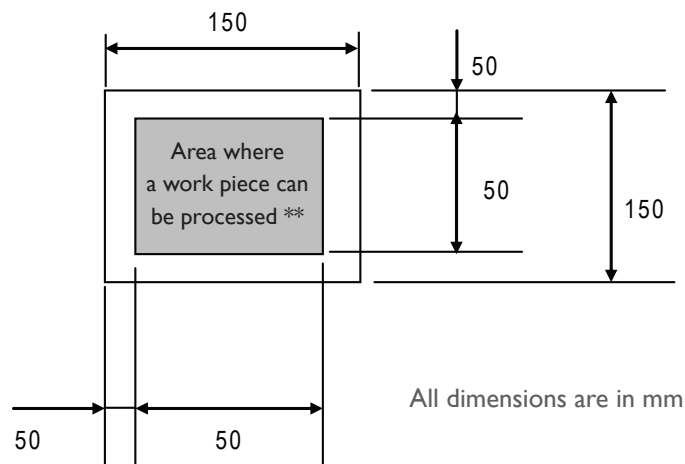
Rotation Speed	~6000 rpm
Drive	DC Servo Motor
Bearing	V-shape Ceramic Bearing



## NC ELECTRO-DISCHARGE CONTROLLER

Power supply	AC 100V ± 10V, 50/60 Hz, 1 kVA (110V/100V Transformer provided)
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## PROCESSING TANK



## MACHINING PERFORMANCE

Accuracy	10 mm 30 nm, 50 mm: 170 nm **
Surface finish (Rmax)	100 nm (standard electrode) 10 nm (PCD Electrode) **

\*\* targeted values