

# THE SMALTEC MM903

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

## MACHINING UNIT

Dimensions (w, l, h)	825 mm x 950 mm x 925 mm
Weight	425 Kg / 950 Lbs
Full Enclosure	1200 mm x 1200 mm 1900 mm
Weight	225 Kg / 500 Lbs

## XY TABLE

Positioning Range	X: 200 mm, Y: 200 mm
Positioning Detection	Glass scale: 0.1 $\mu$ m readout
Minimum Travel Resolution	0.1 $\mu$ m

## Z AXIS

Positioning Range	160 mm
Travel Range	150 mm
Minimum Travel Resolution	0.1 $\mu$ m

## MASS OF WORK PIECE

Practical Mass	Max. 30 Kg
Maximum Mass (with worktable removed)	Max. 50Kg *

## ENVIRONMENTAL CONDITIONS

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

## TOOL SPINDLE

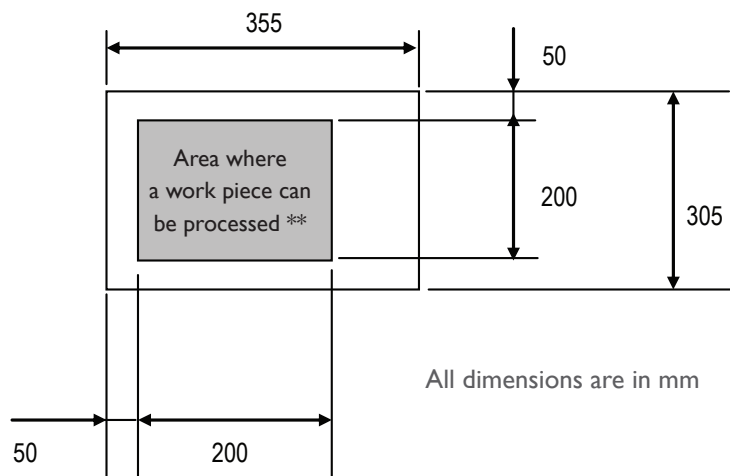
Rotation Speed	5,000 to 50,000 rpm
Drive	Continuous duty spindle
Bearing	Ceramic ball bearings



## NC CONTROLLER

Power supply	AC 120V $\pm$ 10V, 50/60 Hz, 2kVA
Dimensions (w, l, h)	430 mm x 500 mm x 255 mm
Weight	25 Kg / 55 Lbs

## PROCESSING TANK



## MACHINING PERFORMANCE

Accuracy	1.0 $\mu$ m
Repeatability	0.25 $\mu$ m

\*\* targeted values

