

**SAM 022714****TSUGAMI-MORI Type BS-12CE(S)-III**

|                       |                                            |
|-----------------------|--------------------------------------------|
| <b>Group</b>          | CNC automatic lathe / CNC Swiss type lathe |
| <b>Manufacturer</b>   | TSUGAMI-MORI                               |
| <b>Type</b>           | BS-12CE(S)-III                             |
| <b>Controller CNC</b> | TSUGAMI-MORI MSC-501 (FANUC)               |
| <b>Year</b>           | 2003                                       |



|                             |               |
|-----------------------------|---------------|
| Number of axis total        | 6             |
| Number of spindles          | 2             |
| Turning diameter            | 3 - 12 mm     |
| Maximum turning length      | 210 mm        |
| Max. drilling diameter      | 12 mm         |
| Max. threading diameter     | 6 M           |
| Spindle speeds:             |               |
| stepless                    |               |
| from                        | 200 t/min     |
| up to                       | 12000 t/min   |
| Back spindle:               |               |
| speeds:                     |               |
| from                        | 200 t/min     |
| up to                       | 8000 t/min    |
| Tool-holder:                |               |
| Number of stations          | 5             |
| number of tools             | 13            |
| Turning tools               | 7 pce         |
| Drilling tools              | 3 pce         |
| Transverse processing tools | 3 pce         |
| Power of driven tools       | 0.9 kW        |
| Tool lenght                 | 85 mm         |
| Tool shank cross section    | 12 mm         |
| Counter-operation:          |               |
| number of tools             | 5             |
| number of driven tools      | 2             |
| Turning tools               | 3 pce         |
| Feeds:                      |               |
| stepless                    |               |
| from                        | 1 mm/min      |
| up to                       | 6'000 mm/min  |
| Rapid traverse:             | 18 m/min      |
| Spindle motor               | 1.5 / 2.2 kW  |
| Power of back spindle       | 0.75 / 1.1 kW |
| Air connect                 | 4 bar         |
| Total power required        | 9 kVA         |
| Machine's weight about      | 2200 kg       |
| Overall dimensions machine: |               |
| Length                      | 1870 mm       |
| Width                       | 1150 mm       |

[www.mullermachines.ch](http://www.mullermachines.ch)

Height

1685 mm

**Various accessories:**

Parts catcher

Lamp

Oil mist extractor

Set of collets

Status light





