

**SAM 021183****TAKUMI Type F11**

|                       |                                                                         |
|-----------------------|-------------------------------------------------------------------------|
| <b>Group</b>          | 3-axis machining center                                                 |
| <b>Manufacturer</b>   | TAKUMI                                                                  |
| <b>Type</b>           | F11                                                                     |
| <b>Controller CNC</b> | FANUC Series 18i-MB                                                     |
| <b>Year</b>           | 2005                                                                    |
| <b>Youtube video</b>  | <a href="https://youtu.be/6sxzGhVH6l4">https://youtu.be/6sxzGhVH6l4</a> |



|                                |              |
|--------------------------------|--------------|
| Number of axis total           | 3            |
| Table length                   | 1200 mm      |
| Table width                    | 625 mm       |
| Table load max.                | 1200 kg      |
| Longitudinal travel (X-axis)   | 1100 mm      |
| Transversal travel (y-axis)    | 625 mm       |
| Vertical travel (z axis)       | 500 mm       |
| Tool changer:                  |              |
| Number of tools                | 24           |
| Tool diameter max.             | 80 mm        |
| Tool lenght                    | 250 mm       |
| Max. tool-weight               | 7 kg         |
| Spindle nose SK                | 40           |
| Distance spindle nose to table | 150 - 650 mm |
| Spindle speeds:                |              |
| stepless                       |              |
| up to                          | 15000 t/min  |
| Work feed rate                 | 12 m/min     |
| Rapid traverse: long.          | 40 m/min     |
| Rapid traverse: transversal    | 40 m/min     |
| Rapid traverse: vertical       | 30 m/min     |
| Voltage 50 Hz 3x               | 400 Volt     |
| Spindle motor                  | 11 / 18.5 kW |
| Total power required           | 45 kVA       |
| Machine's weight about         | 9710 kg      |
| Overall dimensions machine:    |              |
| Length                         | 3670 mm      |
| Width                          | 2200 mm      |
| Height                         | 3160 mm      |

**Various accessories:**

Preparation 4the axis  
 Set of toolholders  
 Coolant system  
 Coolant through spindle (cts)  
 Paper filtration system  
 Water cooler  
 Laser tool setting system  
 Chip conveyor  
 Lamp

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

Spindle oil cooler  
Status light







