

**SAM 022056****HAAS Type VF-4 SS**

|                       |                         |
|-----------------------|-------------------------|
| <b>Group</b>          | 3-axis machining center |
| <b>Manufacturer</b>   | HAAS                    |
| <b>Type</b>           | VF-4 SS                 |
| <b>Controller CNC</b> | HAAS AUTOMATION         |
| <b>Year</b>           | 2015                    |



|                                     |             |
|-------------------------------------|-------------|
| Number of axis simultaneous         | 3           |
| Table length                        | 1321 mm     |
| Table width                         | 457 mm      |
| Number of T-channels                | 5           |
| Distance of the T-slots             | 80 mm       |
| T-channel width                     | 16 mm       |
| Table load max.                     | 800 kg      |
| Longitudinal travel (X-axis)        | 1270 mm     |
| Transversal travel (y-axis)         | 508 mm      |
| Vertical travel (z axis)            | 635 mm      |
| Tool changer:                       |             |
| Number of tools                     | 30          |
| Tool diameter max.                  | 64 mm       |
| Diameter with free adjacent pockets | 127 mm      |
| Tool lenght                         | 330 mm      |
| Max. tool-weight                    | 5.4 kg      |
| Time of tool changing               | 1.8 s       |
| Average chip-to-chip time           | 2.4 s       |
| Spindle nose: BT                    | 40          |
| Distance spindle nose to table      | 742 mm      |
| Spindle speeds:                     |             |
| stepless                            |             |
| from                                | 0 t/min     |
| up to                               | 12000 t/min |
| Rapid traverse:                     | 35.6 m/min  |
| Voltage 50 Hz 3x                    | 400 Volt    |
| Machine's weight about              | 6200 kg     |
| Overall dimensions machine:         |             |
| Length                              | 3300 mm     |
| Width                               | 2330 mm     |
| Height                              | 2570 mm     |

**Various accessories:**

|                                           |        |
|-------------------------------------------|--------|
| Vice                                      | (4x)   |
| Programmable and rotatable coolant nozzle |        |
| Coolant system                            |        |
| Additional coolant filter                 |        |
| Coolant through spindle (cts)             | 21 bar |
| Oil mist lubrication unit                 |        |
| Touch Probe Renishaw                      |        |

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Chip conveyor  
Lamp  
Synchronized tapping





