

**SAM 022953****HERMLE Type C 42 U**

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| <b>Group</b>          | 2 x 5-axis machining centres with loading robot |
| <b>Manufacturer</b>   | HERMLE                                          |
| <b>Type</b>           | C 42 U                                          |
| <b>Controller CNC</b> | HEIDENHAIN TNC 530                              |
| <b>Year</b>           | 2014                                            |



|                                     |             |
|-------------------------------------|-------------|
| Number of axis total                | 5           |
| Circular table diameter             | 440 mm      |
| Number of T-channels                | 5           |
| T-channel width                     | 14H7 mm     |
| Table load max.                     | 450 kg      |
| Maximum swing circle of up to       | 990 mm      |
| Longitudinal travel (X-axis)        | 800 mm      |
| Transversal travel (y-axis)         | 800 mm      |
| Vertical travel (z axis)            | 550 mm      |
| Swivel angle (a-axis)               | +/- 130 °   |
| Table speed                         | 30 t/min    |
| Pallets changing device:            |             |
| numbers                             | 30          |
| Length                              | 400 mm      |
| Width                               | 400 mm      |
| Tool magazine number of tool places | 42 + 160    |
| Spindle nose: HSK-A                 | 63          |
| Spindle speeds:                     |             |
| stepless                            |             |
| from                                | 0 t/min     |
| up to                               | 18000 t/min |
| Rapid traverse: long.               | 45 m/min    |
| Rapid traverse: transversal         | 45 m/min    |
| Rapid traverse: vertical            | 40 m/min    |
| Air connect                         | 6 bar       |
| Voltage 50 Hz 3x                    | 400 Volt    |
| Spindle power                       | 42 kW       |
| Torque max.                         | 148 Nm      |
| Total power required                | 37 kVA      |
| Machine's weight about              | 12500 kg    |
| Overall dimensions machine:         |             |
| Length                              | 16000 mm    |
| Width                               | 7000 mm     |
| Height                              | 3500 mm     |
| <b>Various accessories:</b>         |             |
| Addet tool-holder magazine          |             |
| Number of tool places               | 160         |
| Pallet station (number of spaces)   | 54          |
| Loading roboter                     | KUKA        |
| Coolant through spindle (cts)       | 80 bar      |



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

Air blast through milling spindle  
 Paper filtration system  
 Measuring feeler gauge Renishaw  
 Workpiece measurement  
 Tool break control  
 Chip conveyor  
 NC Rotary and swiveling table  
 Oil mist extractor  
 Rotating viewing window  
 Automatic sliding door  
 Interface serial port RS 232  
 Interface Ethernet  
 Interface USB  
 Switch cabinet Air conditioner

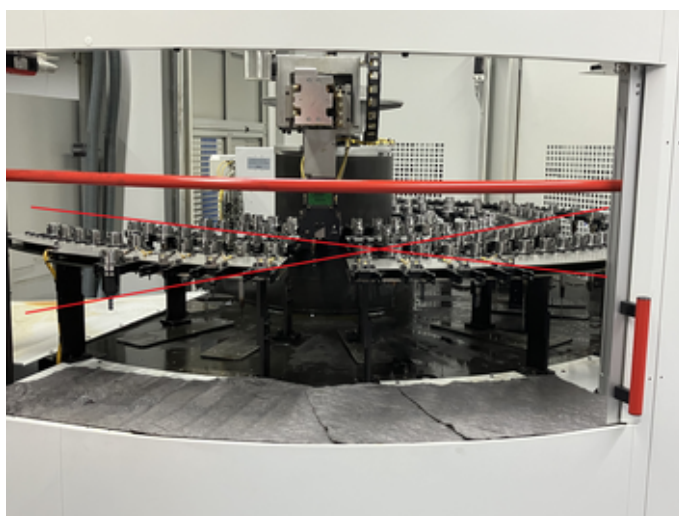
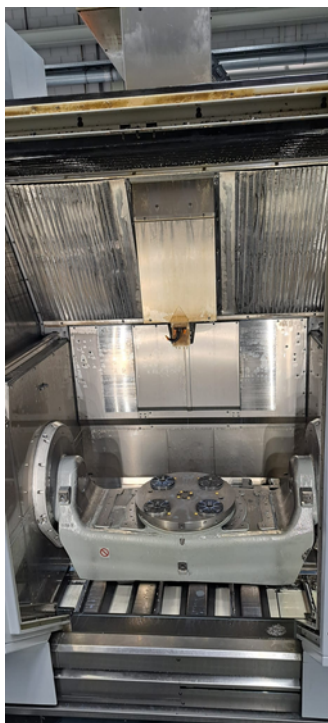
BLUM  
 BLUM

**Notes:**

without tool holders



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





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

