

**SAM 023041****HÜLLER HILLE Type BLUESTAR 5**

|                       |                         |
|-----------------------|-------------------------|
| <b>Group</b>          | 4-axis machining center |
| <b>Manufacturer</b>   | HÜLLER HILLE            |
| <b>Type</b>           | BLUESTAR 5              |
| <b>Controller CNC</b> | GE FANUC Series 21i-MB  |
| <b>Year</b>           | 2007                    |



|                                     |                  |
|-------------------------------------|------------------|
| Number of axis total                | 4                |
| Longitudinal travel (X-axis)        | 700 mm           |
| Transversal travel (y-axis)         | 630 mm           |
| Vertical travel (z axis)            | 700 mm           |
| Dimension of the workpice:          |                  |
| Length                              | 750 mm           |
| Width                               | 700 mm           |
| Table load max.                     | 500 kg           |
| Table divisions (B)                 | 0.001 °          |
| Table speed                         | 30 t/min         |
| Holding torque A-axis               | 4000 Nm          |
| Tilting moment                      | 8000 Nm          |
| Pallets:                            |                  |
| Length                              | 500 mm           |
| Width                               | 500 mm           |
| Pallet weight                       | 150 kg           |
| Time of changing palets             | 7 s              |
| Transport weight                    | 500 kg           |
| Tool changer:                       |                  |
| Number of tools                     | 40               |
| Tool diameter max.                  | 80 mm            |
| Diameter with free adjacent pockets | 150 mm           |
| Tool lenght                         | 350 mm           |
| Max. tool-weight                    | 10 kg            |
| Time of tool changing               | 2.5 - 4.5 s      |
| Average chip-to-chip time           | 4 s              |
| Spindle nose: HSK-A                 | 63               |
| Spindle speeds:                     |                  |
| stepless                            |                  |
| from                                | 1 t/min          |
| up to                               | 10000 t/min      |
| Feed range                          | 1 - 50000 mm/min |
| Rapid traverse:                     | 50 m/min         |
| Acceleration                        | 7 m/s            |
| Max. Feed force                     | 5000 N           |
| Air connect                         | 6 bar            |
| Voltage 50 Hz 3x                    | 400 Volt         |
| Spindle power                       | 30 / 18 kW       |
| Torque max.                         | 202 Nm           |
| Total power required                | 27 kVA           |

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|                             |          |
|-----------------------------|----------|
| Machine's weight about      | 12500 kg |
| Overall dimensions machine: |          |
| Length                      | 4000 mm  |
| Width                       | 3000 mm  |
| Height                      | 3000 mm  |

**Various accessories:**

Direct measuring system  
 Set of toolholders  
 Coolant system  
 Paper filtration system  
 Chip conveyor  
 Rotating viewing window





