

| | | | H 2000 | H 4000 | |
|---------------------|---|--|-------------------|-------------------|---------|
| Working area | Longitudinal stroke (X axis) | mm | 630 | 800 | |
| | Vertical stroke (Y axis) | mm | 630 | 800 | |
| | Transverse stroke (Z axis) | mm | 630 | 800 | |
| Feed thrusts | X and Y axis with duty cycle = 40 % | N | 10,000 | 10,000 | |
| | Z axis with duty cycle = 40 % | N | 15,000 | 15,000 | |
| Speeds | in X, Y and Z axis/rapid traverse | mm/min | 60,000 / 90,000 | 60,000 / 90,000 | |
| | Acceleration | m/s ² | 8.0/10.0 | 8.0 | |
| Spindle unit | Spindle taper | SK/HSK/BT | 40/A63/40 | 40/A63/40 | |
| | EcoCutting | Drive power/torque (max.) with duty cycle = 40 % | kW/Nm | 17/81 | 17/81 |
| | | Speed | 1/min | 10,000 | 10,000 |
| | | Spindle diameter in front bearing | mm | 80 | 80 |
| | PowerCutting | Drive power/torque (max.) with duty cycle = 40 % | kW/Nm | 38/242 | 38/242 |
| | | Speed | 1/min | 10,000 | 10,000 |
| | | Spindle diameter in front bearing | mm | 80 | 80 |
| | SpeedCutting | Drive power/torque (max.) with duty cycle = 40 % | kW/Nm | 40/95 | 40/95 |
| | | Speed | 1/min | 16,000 | 16,000 |
| | | Spindle diameter in front bearing | mm | 80 | 80 |
| | HighSpeedCutting | Drive power/torque (max.) with duty cycle = 40 % | kW/Nm | 25/40 | 25/40 |
| | | Speed | 1/min | 24,000 | 24,000 |
| | | Spindle diameter in front bearing | mm | 70 | 70 |
| | Tool magazine | Max. admissible tool mass | kg | 12 | 12 |
| | | Min. chip-to-chip time to VDI | s | 2.8/2.2 | 3.0/2.4 |
| Chain-type magazine | Tool places | number | 54/80/160 | 54/80/160 | |
| | Max. tool length | mm | 350 | 450 | |
| | Max. tool diameter | mm | 160 | 160 | |
| Rack-type magazine | Tool places | number | 409 | 409 | |
| | Max. tool length | mm | 350 | 450 | |
| | Max. tool diameter | mm | 188 | 188 | |
| Rotary table | Indexing division rotary feed table | degree | 360,000 x 0.001° | 360,000 x 0.001° | |
| | Indexing accuracy Tp (to VDI/DGQ 3441) | arc s | 10 | 10 | |
| | Rotational speed | 1/min | 40 | 20 | |
| Pallet changer | Working surface | mm x mm | 400 x 500 | 500 x 630 | |
| | Max. workpiece diameter | mm | 720 | 900 | |
| | Max. workpiece height | mm | 850 | 1,000 | |
| | Max. loading capacity | kg | 800/500 | 1,400/800 | |
| | Pallet change time | s | 9 | 13 | |
| Measuring system | Direct linear scales in X, Y and Z axis with highest resolution | | | | |
| | Positioning tolerance Tp (to VDI/DGQ 3441) | mm | 0.007 | 0.007 | |
| Coolant unit | Chip conveyor basic design | | | | |
| | Coolant tank, mesh-type filter unit, capacity | litres | 800 | 800 | |
| | Max. pressure | bars | 12 | 12 | |
| | Coolant tank, paperband filter unit, capacity | litres | 1,000 | 1,000 | |
| | Max. pressure | bars | 12/50/70 | 12/50/70 | |
| | Coolant tank, vacuum rotation filter unit, capacity | litres | 1,200 | 1,200 | |
| Max. pressure | bars | 50/70 | 50/70 | | |
| Installation data | Length/width/height (depending on coolant unit) | mm | 4,600/2,600/3,400 | 5,050/3,000/3,500 | |
| | Mass of machine | approx. kg | 9,800 | 12,000 | |
| | Electrical capacity, machine | approx. kVA | 34 | 34 | |
| | Electrical capacity, coolant unit | approx. kVA | 10/25/26 | 10/25/26 | |
| | Mains connection | V/Hz | 3 x 400/50 | 3 x 400/50 | |
| | Compressed air | bars | 4.5 – 6 | 4.5 – 6 | |
| Machine control | Siemens SINUMERIK 840D sl | | x | x | |
| | Fanuc 310i-A | | x | x | |