

Technical data



| Working Range | | | Mikron HEM 600 | Mikron HEM 800 | Mikron HEM 1000 | Mikron HEM 1200 |
|----------------------------|-----------------|------------------------------|--|--|--|--|
| Longitudinal | X | mm | 650 | 850 | 1050 | 1250 |
| Transverse | Y | mm | 530 | 530 | 530 | 530 |
| Vertical | Z | mm | 600 | 600 | 600 | 600 |
| Table | | | | | | |
| Table size | | mm | 850 x 560 | 1050 x 560 | 1250 x 560 | 1450 x 560 |
| Max. weight on table | | kg | 600 | 800 | 1000 | 1200 |
| Distance table - spindle | | mm | 150 - 750 | 150 - 750 | 150 - 750 | 150 - 750 |
| Feed drives | | | | | | |
| Feed | Heidenhain | X, Y, Z m/min ⁻¹ | 15 | 15 | 15 | 15 |
| Rapid speed | Heidenhain | X, Y / Z m/min ⁻¹ | 35* (30) / 24 | 35* (30) / 24 | 35* (30) / 24 | 35* (30) / 24 |
| Feed | Fanuc | X, Y, Z m/min ⁻¹ | 15 | 15 | 15 | 15 |
| Rapid speed | Fanuc | X, Y, Z m/min ⁻¹ | 30 | 30 | 30 | 30 |
| | | | * with work load up to 250 kg only | | | |
| Spindle 100% ED, S1 | | | | | | |
| 9'000 rpm, BT 40 | Heidenhain | kW / Nm | 9.5/71 | 9.5/71 | 9.5/71 | 9.5/71 |
| 9'000 rpm, BT 40 | Fanuc (S6) | kW / Nm | 15.0/105 (22/154) | 15.0/105 (22/154) | 15.0/105 (22/154) | 15.0/105 (22/154) |
| 14'000 rpm, BT 40 | Heidenhain | kW / Nm | 9.5/42 | 9.5/42 | 9.5/42 | 9.5/42 |
| 14'000 rpm, BT 40 | Fanuc (S6) | kW / Nm | 15.0/62 (22/90) | 15.0/62 (22/90) | 15.0/62 (22/90) | 15.0/62 (22/90) |
| 20'000 rpm, HSK-A 63 | Heidenhain (S6) | kW / Nm | 26.0/91.0 | 26.0/91.0 | 26.0/91.0 | 26.0/91.0 |
| Tool magazine | | | | | | |
| Umbrella type | BT 40 | pce. | 24 | 24 | 24 | 24 |
| Drum type | BT 40 | pce. | 30 | 30 | 30 | 30 |
| Drum type | HSK-A63 | pce. | 30 | 30 | 30 | 30 |
| Max. tool length | | mm | 300 | 300 | 300 | 300 |
| Max. tool diameter | | mm | 80 / (125) | 80 / (125) | 80 / (125) | 80 / (125) |
| Max. tool weight | | kg | 6 | 6 | 6 | 6 |
| Control | | | | | | |
| Heidenhain | TNC 620 | | + | + | + | + |
| Fanuc | Oi-MD | | + | + | + | + |
| Machine weight | | | | | | |
| | | kg | 6900 | 7000 | 7600 | 7700 |
| smart machine | | | | | | |
| | Heidenhain | | ITC, APS, APS extended, OSS, PFP | ITC, APS, APS extended, OSS, PFP | ITC, APS, APS extended, OSS, PFP | ITC, APS, APS extended, OSS, PFP |
| | Fanuc | | PFP | PFP | PFP | PFP |