

Technical Data

TMP

| | | standard | optional |
|--|----------|---|-------------------------|
| Working area | | | |
| X-traverse range | [mm] | 2300 vert. / 2000 hori. | 2940 vert. / 2640 hori. |
| Y-traverse range | [mm] | 1400 | 1600 |
| Z-traverse range | [mm] | 900 | |
| Machine table | | | |
| Table width | [mm] | 1100 | 1350, 1500 |
| Table length | [mm] | 1100 | |
| T-slots | [mm] | 18 H9 / H7 | |
| Rotary table | | | |
| Type | | RTA 5D | RTA 6D |
| Clamping surface | [mm] | Ø 1250 | Ø 1600 |
| Max. transport weight | [kg] | 3000 | 5000 |
| Accuracy measuring system | [arcsec] | ± 3" | ± 1" |
| Feed drive | | | |
| Max. rapid traverse in X/Y/Z | [m/min] | 30 / 30 / 25 | |
| Max. feed force | [N] | 9000 | |
| Main spindle drive | | | |
| Standard drive no. | | 133 | |
| Max. speed range | [rpm] | 9000 | 18000 |
| Max. torque | [Nm] | 355 | 130 |
| Max. power | [kW] | 56 | 27 |
| Tool holding fixture | | | |
| DIN 69871 A / DIN 69872 A | | SK 50 | HSK A63 |
| Tool changer | | | |
| Number of tool pockets | | 20 | 90 |
| Tool change time approx. | [s] | 6 | |
| Tilting spindle head | | | |
| Swivelling range B-axis | | stepless positioning or fully interpolating 0° to -100° | |
| Indexing | | 0,001° | |
| Accuracy per 1000 mm per axis X/Y/Z | | | |
| Positioning accuracy | [mm] | ± 0,008 | |
| Repeating accuracy | [mm] | ± 0,006 | |

Further features:

- External cooling and internal cooling alternatively by compressed air or emulsion
- Sealing air for linear encoders
- Full covering
- Remote maintenance