

3. Machine specifications

3.1.2 Long bed

| Description | Unit | Specifications | | | | |
|-----------------------------|------|----------------|-----------|-------------|----------------|------------|
| | | PUMA 600L | PUMA 700L | PUMA 800L | PUMA 900LM | PUMA 700LM |
| Controlled axes | | 2 | | | 3 | |
| Capacity | | | | | | |
| Maximum swing over bed | mm | | | | | |
| Maximum swing over saddle | mm | | | 1,030 | | |
| Maximum turning diameter | mm | | | 800 | | |
| Maximum turning length | mm | | | 900 | | |
| Bar capacity | mm | 117 | 164 | None | 117 | 164 |
| Travel | | | | | | |
| X-axis | mm | | | 470(450+20) | | |
| Z-axis | mm | | | 3,235 | | |
| C-axis | deg | | | | 360°(0.001°) | |
| Spindle | | | | | | |
| Spindle speed range | rpm | 3-1800 | 3-1500 | 3-750 | 3-1800 | 3-1500 |
| Number of speed range | | 3 | | 2 | 3 | |
| Spindle bore diameter | mm | 152 | 181 | 320 | 152 | 181 |
| Spindle nose | ASA | A2-15 | A1-15 | A1-20 | A2-15 | A1-15 |
| Front bearing diameter | mm | 200 | 240 | 400 | 200 | 240 |
| Turret | | | | | | |
| Turret stations | | | 12 | | 12(BMT85 type) | |
| Max. interference free dia. | mm | | 330 | | 310 | |
| Turret plate thickness | mm | | 150 | | 140 | |
| O.D. tool height | mm | | | 32 | | |
| Boring bar diameter | mm | | | 60(80) | | |
| Turret index time(1st.) | sec. | | | 1.1 | | |
| Rotary tool | | | | | | |
| Max. spindle speed | rpm | | | | | 3,000 |
| Max. endmill capacity | mm | | | | | Ø34(ER50) |
| Max. tapping capacity | mm | | | | | M30 |

