

# MACHINE SPECIFICATIONS

## TCK600 series

| Description                         |                                            |        | Unit  | TCK600 series  |       |       |
|-------------------------------------|--------------------------------------------|--------|-------|----------------|-------|-------|
| Capacity                            | Max.swing over bed                         |        | mm    | Φ 650          | Φ 750 |       |
|                                     | Max.swing over saddle                      |        | mm    | Φ 400          | Φ 500 |       |
|                                     | Chuck size                                 |        | inch  | 10/12/15       |       |       |
| Travels                             | X-axis                                     |        | mm    | 300            |       |       |
|                                     | Y-axis                                     |        | mm    | ±50            |       |       |
|                                     | Z-axis                                     |        | mm    | 1100/1600/2100 |       |       |
| Feedrates                           | Rapid<br>traverse<br>rate                  | X-axis | m/min | 24             |       |       |
|                                     |                                            | Y-axis | m/min | 8              |       |       |
|                                     |                                            | Z-axis | m/min | 24             |       |       |
| Main<br>Spindle                     | Main spindle motor power                   |        | KW    | 22 {30}        |       |       |
|                                     | Spindle nose                               |        | ASA   | A2-8           | A2-11 |       |
|                                     | Spindle Ratio                              |        | /     | 1:2            | 1:3   |       |
|                                     | Through hole of main spindle               |        | mm    | Φ86            | Φ105  | Φ132  |
|                                     | Bar capacity                               |        | mm    | < 75           | < 91  | < 120 |
|                                     | Spindle bearing diameter (Front)           |        | mm    | 180            | 240   | 280   |
|                                     | Max. spindle speed                         |        | r/min | 3000           | 2000  | 1500  |
| Turret                              | No. of tool stations                       |        | ea    | 12             |       |       |
|                                     | OD tool size                               |        | mm    | 25X25          |       |       |
|                                     | boring bar size                            |        | mm    | 40/50          |       |       |
|                                     | Turret indexing time<br>(1 station swivel) |        | s     | 0.5            |       |       |
|                                     | Max. rotary tool speed                     |        | r/min | BMT55 (4000)   |       |       |
| Tailstock                           | Tailstock guide rail                       |        | mm    | Box way        |       |       |
|                                     | Sleeve diameter                            |        | mm    | 100            |       |       |
|                                     | Travel of sleeve                           |        | mm    | 150            |       |       |
|                                     | Taper of sleeve hole                       |        | MT    | MT5            |       |       |
|                                     | Tail seat travel                           |        | mm    | 1100/1600/2100 |       |       |
| Machine<br>tool weight<br>(approx.) | TCK600-1000                                |        | T     | 6.3            |       |       |
|                                     | TCK600-1500                                |        | T     | 7.5            |       |       |
|                                     | TCK600-2000                                |        | T     | 9.4            |       |       |