



Machinery

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CB | Sub Spindle & Back Machining

Direct Drive Y2 Axis With Live Tooling Function

- Sliding head without a guide bush design provide faster setups, lesser remnants, and more cost reduction.
- The CB series provide multiple tooling systems is suitable for versatile cutting applications. On the front side tooling system, user can set with 4+3 live tools, 6 O.D. tools and 5 I.D. tools. Moreover, on the back milling system, user can set 4 or 8 (CB-36Y2M) live tools. The maximum tool speed is 6000 rpm. User can install O.D. and I.D. tools on the back milling system.
- The sub-spindle head moves on the precision roller type linear ways with extra-large span design for outstanding stability and positioning accuracy.

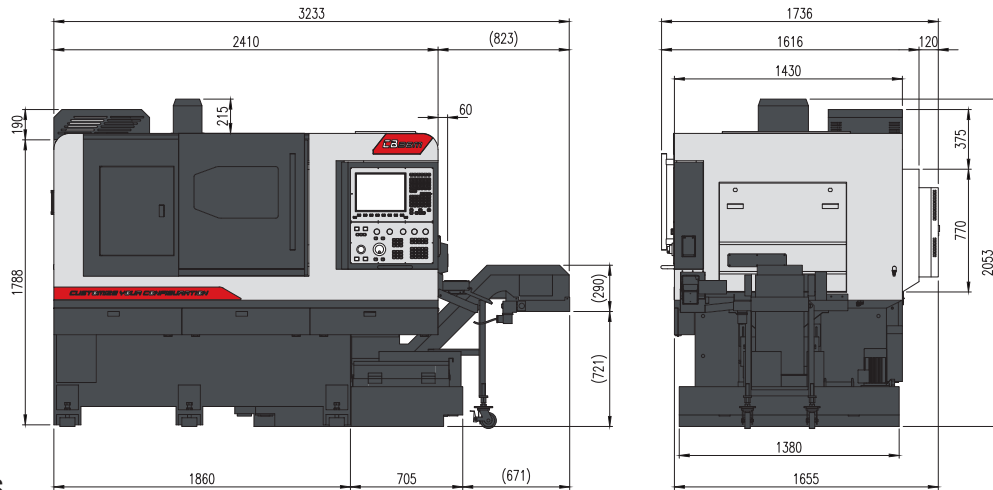


Machinery Advanced Machining Solutions

Competence and Capabilities



Machine Layout (CB-36Y2M)



Unit: mm

Specifications

| Direct Drive Model | | CB-36M | | CB-36Y2M |
|--------------------------|--|---------------------------|------------|--------------------------------|
| Control Unit | Controller | SYNTEC | MITSUBISHI | SYNTEC |
| Capacity | Max. Manu. Dia. | Ø36 mm | | Ø36 mm |
| | Max. Bar Feeding Dia. | Ø36 mm | | Ø36 mm |
| Axes Travel | X1/X2-Axis Travel | 185/290 mm | | 185 / 305 mm |
| | X1/X2-Axis Servo Motor | 1.5 kw/1.0 kw | | 1.5 kw / 1.0kw |
| | Z1/Z2 / Y1 / Y2-Axis Travel | 165/285 / 490 / - mm | | 165 / 400 / 490 /105 mm |
| | Z1/Z2 / Y1 / Y2-Axis Servo Motor | Z1/Z2:1.0 / Y1:1.0 / - kw | | Z1/Z2:1.0 / Y1:1.0/ Y2:0.75 kw |
| | X/Y/Z-Axis Rapid Travel Speed | 30m/min | | 30 m/min |
| | Y2 Rapid travel speed | - | | 5 m/min |
| Main Spindle | Max. Turning Dia. | Ø36 mm | | Ø36 mm |
| | Max. Spindle Speed | 6000 rpm | | 6000 rpm |
| | Center Height | 1032 mm | | 1072 mm |
| | Spindle Collet | TRB-36 | | TRB-36 |
| | Spindle Servo Motor | 7.9 kw | | 7.9 kw |
| | No. of O.D. Turning Tools | 6 (Optional 5) pcs | | 6 (Optional 5) pcs |
| Spindle Live Tooling | O.D. Turning Tool Size | □12mm (Op:□16mm) | | □12mm (Op:□16mm) |
| | No. of I.D. Turning Tools | 5 pcs | | 5pcs |
| | I.D. Turning Tool Size | Ø25mm | | Ø25mm |
| | No. of Radial Live Tools | 4 pcs | | 4 pcs |
| | Radial Tool Size | ER-20 | | ER-20 |
| | Radial Live Tooling Max. Speed | 6000 rpm | | 6000 rpm |
| Sub Spindle | No. of Axial Live Tools | 3 pcs | | 3 pcs |
| | Axial Tool Size | ER-20 | | ER-20 |
| | Axial Live Tooling Servo Motor | 0.75 kw | | 0.75 kw |
| | Axial Live Tooling Max. Speed | 6000 rpm | | 6000 rpm |
| Sub Spindle Live Tooling | Max. Turning Dia. | Ø36 mm | | Ø36 mm |
| | Max. Sub Spindle Speed | 6000 rpm | | 6000 rpm |
| | Spindle Collet | TRB-36 | | TRB-36 |
| | Sub Spindle Servo Motor | 7.9 kw | | 7.9 kw |
| Hydraulic | C-Axis Index Positioning | 0.001° | | 0.001° |
| | I.D. Turning Tool Size | Ø25 mm | | Ø25 mm |
| | No. of Axial Live Tools | 4 pcs | | 8 pcs |
| | Axial Live Tooling Size | ER-20 | | ER-20 |
| Coolant pump | Axial Live Tooling Servo Motor | 0.75 kw | | 0.75 kw |
| | Axial Live Tooling Max. Speed | 6000 rpm | | 6000 rpm |
| | Hydraulic Motor | 1HP / 0.75 kw | | 1HP / 0.75 kw |
| | Hydraulic Tank Capacity | 46L | | 46L |
| Machine | Tool Coolant Pump | 1HP / 0.75 kw | | 1HP / 0.75 kw |
| | Spindle Upper Flush Pump | 1HP / 0.75 kw | | 1HP / 0.75 kw |
| | Coolant Tank Capacity | 240L | | 240L |
| | Voltage stabilizer / Transformer | 220V / 20 KVA | | 220V / 31 KVA |
| Machine | Machine Size (LxWxH) (includes chip conveyor) | 3029x1612x2151mm | | 3233 x1655 x 2053mm |
| | Machine N.W.(includes chip conveyor) | 4000kg | | 4000kg |

* Design and specs subject to change without notice.

