

## Specifications

\* Specifications are subject to change without notice.

| ITEM                                          | UNIT  | JSL-20RB       | JSL-20RBY      |
|-----------------------------------------------|-------|----------------|----------------|
| Main Spindle Max. Turning Diameter            | mm    | 20             | 20             |
| Sub Spindle Max. Turning Diameter             | mm    | 20             | 20             |
| Max. Turning Length (rotating bush)           | mm    | 250/190        | 250/190        |
| Max. Turning Length (non bush)                | mm    | non/50         | non/50         |
| Max. Turning Length (fixed bush)              | mm    | 280/220        | 280/220        |
| Main Spindle Max. Drilling / Tapping Capacity | mm    | Ø10 / M8       | Ø10 / M8       |
| Sub Spindle Max. Drilling / Tapping Capacity  | mm    | Ø8 / M8        | Ø8 / M8        |
| Max. Cross Drilling / Tapping Capacity        | mm    | Ø8 / M6        | Ø8 / M6        |
| OD Tool Holder                                | pcs   | 6 / □12mm      | 6 / □12mm      |
| ID Tool Holder                                | pcs   | 4 / Ø22mm      | 4 / Ø22mm      |
| S1 Cross Live Tool Holder                     | pcs   | 5 / ER-16      | 5 / ER-16      |
| Sub Spindle Face Live Tool Holder             | pcs   | 4              | 8              |
| Control Axis (with C axis)                    | pcs   | 7              | 8              |
| Main / Sub Spindle Bore                       | mm    | Ø 26.6         | Ø 26.6         |
| Main / Sub Spindle Max. Speed                 | rpm   | 10000 / 8000   | 10000 / 8000   |
| X1/Z1/Y1/X2/Z2/Y2 Rapid Traverse              | m/min | 24             | 24             |
| S1 Cross Drilling Max. Speed                  | rpm   | 8000           | 8000           |
| S1 Cross Driven Motor                         | KW    | 1.2            | 1.2            |
| S2 Face Driven Motor                          | KW    | 0.5            | 0.75           |
| S2 Face Drilling Max. Speed                   | rpm   | 8000           | 8000           |
| Main Spindle Motor                            | KW    | 2.2/3.7        | 2.2/3.7        |
| Sub Spindle Motor                             | KW    | 2.2/3.7        | 2.2/3.7        |
| X1 / Z1 / Y1 Motor                            | KW    | 0.75           | 0.75           |
| X2 / Z2 Motor                                 | KW    | 0.5            | 0.5            |
| Y2 Motor                                      | KW    | non            | 0.5            |
| Coolant Pump                                  | KW    | 0.54           | 0.54           |
| Power Requirements                            | KW    | 20KVA          | 20KVA          |
| Lubrication Capacity                          | L     | 2              | 2              |
| Coolant Tank Capacity                         | L     | 220(100%)      | 220(100%)      |
| Machine Dimensions (L x W x H)                | mm    | 2846x1334x2024 | 2846x1334x2024 |
| Weight                                        | KG    | 2670           | 2700           |

## Standard Accessories

|                                              | 20RB | 20RBY |                                     | 20RB | 20RBY |
|----------------------------------------------|------|-------|-------------------------------------|------|-------|
| EXTERNAL TOOL HOLDER (6 TOOLS)               | ○    | ○     | SUB SPINDLE TOOL HOLDER             | ○    | —     |
| INNER TOOL HOLDER (4 TOOL)                   | ○    | ○     | FOR 4 POSITION ECCENTRIC & DRILLING |      |       |
| CROSS DRILLING TOOL HOLDER (5 TOOLS)         | ○    | ○     | SUB SPINDLE TOOL HOLDER             |      |       |
| PARTS CATCHER AND CONVEYOR                   | ○    | ○     | FOR 8 POSITION ECCENTRIC & DRILLING | —    | ○     |
| TOOLS & TOOL BOX                             | ○    | ○     | Y2 AXIS                             | —    | ○     |
| LIGHTING DEVICE                              | ○    | ○     | FIXED TOOL HOLDER (SUB SPINDLE)     | 2PCS | 3PCS  |
| NON GUIDE BUSHING HOLDER OR                  |      |       | ROTARY TOOL HOLDER (SUB SPINDLE)    | 2PCS | 3PCS  |
| FIXED GUIDE BUSH HOLDER                      | ○    | ○     | 3 POSITION OD TOOL HOLDER           | —    | 1PCS  |
| SPINDLE SERVO MOTOR                          | ○    | ○     | □10 (SUB SPINDLE)                   |      |       |
| MAIN SPINDLE C AXIS                          | ○    | ○     | CHUCK GRIPPER                       | 2PCS | 2PCS  |
| CUTTING COOLANT                              | ○    | ○     | MACHINING ROOM WITH SAFETY LOCK     | ○    | ○     |
| CUTTING COOLANT INSPECTION (ELECTRONIC TYPE) | ○    | ○     | GUIDE BUSH                          | 1PCS | 1PCS  |
| CUT-OFF INSPECTION                           | ○    | ○     | SPINDLE COLLET CHUCK                | 2PCS | 2PCS  |
| LUBRICATION DEVICE                           | ○    | ○     | OPERATION MANUAL                    | ○    | ○     |
| SUB SPINDLE C AXIS                           | ○    | ○     | NC OPERATION MANUAL                 | ○    | ○     |
| SUB SPINDLE                                  | ○    | ○     | NC MAINTENANCE MANUAL               | ○    | ○     |

## Optional Accessories

- ER16 M2 DOUBLE SIDED INNER TOOL HOLDER
- SIMULTANEOUS ROTARY GUIDE BUSHING HOLDER
- LONG PARTS CATCHER (SUB SPINDLE)
- CHIP CONVEYOR & CART
- ER16 COLLET SET
- CUTTING OIL CHILLER
- COLLET SPRING
- CHUCK GRIPPER
- STATIONARY TOOL HOLDER (SUB SPINDLE) ER-16
- ROTARY TOOL HOLDER (SUB SPINDLE) ER-16
- WHIRLING THREADING UNIT (WITHOUT INSERTS AND INSERT HOLDER)
- POWER DRIVEN SAW UNIT (MAIN SPINDLE)
- POWER DRIVEN SAW UNIT (SUB SPINDLE)
- 3 POSITION FACE LIVE TOOL HOLDER FOR MAIN AND SUB SPINDLE
- 3 POSITION ANGLE DRILLING TOOL HOLDER (MANUAL ADJUSTING)
- 1 POSITION CROSS LIVE TOOL (SUB SPINDLE)
- 1 POSITION OD TOOL HOLDER (SUB SPINDLE)
- Ø16 ID TOOL HOLDER SHORTENED TYPE (SUB SPINDLE)
- Ø16 ID TOOL HOLDER (SUB SPINDLE)
- EXTENDED ID TOOL HOLDER Ø16
- EXTENDED ID TOOL HOLDER Ø16 (WITH ONE Ø16 ID TOOL HOLDER)
- VOLTAGE STABILIZER 20KVA
- TRANSFORMER 20KVA
- OIL MIST COLLECTOR
- H.P. COOLANT SYSTEM 15/50/100 BAR (WITH SUB COOLANT TANK)
- CE
- HYDRAULIC BAR FEEDER



# JSL-20RB JSL-20RBY

CNC Swiss Turn Machine



www.jinnfa.com



## The Cutting Edge of Parts Turning and Milling

### Main and Sub-spindle Combined with Multiple Tooling Systems for Maximum Flexibility of Machining.

The Jinn Fa JSL series CNC lathe features not only a high rigidity structure but also multiple functions for eccentric and tool-traveling turning. The tool-traveling turning on X, Y and Z axes provide superior performance on both long and short work piece machining. The exceptional machining capabilities, accuracy and stability ensure the JSL series is the best possible turning solution.

You will be amazed at the versatile machining performance of the Jinn Fa JSL-20RB/20RBY CNC lathe. Although compact in construction, it offers multi-functions for maximum flexibility of operation. It is the first choice for various manufacturers of automotive and motorcycle parts, electronic parts, instrument parts, pneumatic and hydraulic parts, etc. The machine is equipped with a sub-spindle, allowing turning, milling, drilling and tapping. The main spindle and sub-spindle perform machining synchronously, which saves time greatly. In addition, it also provides great time saving for secondary machining. Upon request, side drilling can be converted to end drilling. A wide range of optional accessories are available to upgrade the operational functions of the JSL-20RB/20RBY.



JSL-20RB/20RBY

Deep Hole Drilling Device  
 · The sub-spindle side is available to equip with deep hole drilling device with coolant through drill  
 · Choice of live or fixed drill



JSL-20RBY

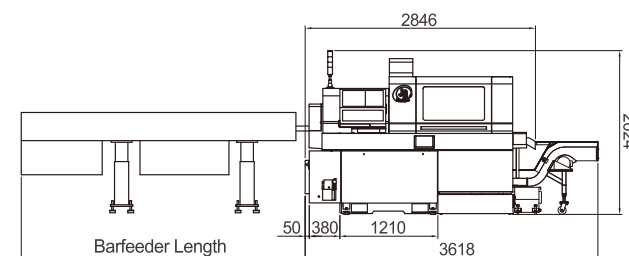
Main Spindle and Tooling System  
 · OD tool holder : 6 tools  
 · ID tool holder 4 tools  
 · Cross live tool holder : 5 tools



JSL-20RBY

Sub-spindle Tooling System  
 · The sub-spindle tooling system allows the machine to perform back side machining on a part.

### Machine Dimensions



JSL-20RB/20RBY

Non-guide Bushing Holder  
 · For use on the conserving tool lathe to reduce end bar for saving material and cost.



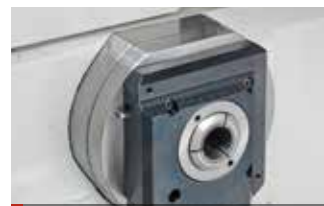
JSL-20RB/20RBY

Fanuc 32iB CNC Control  
 · Control panel can be moved and swiveled for upgrading convenience of operation.



JSL-20RB

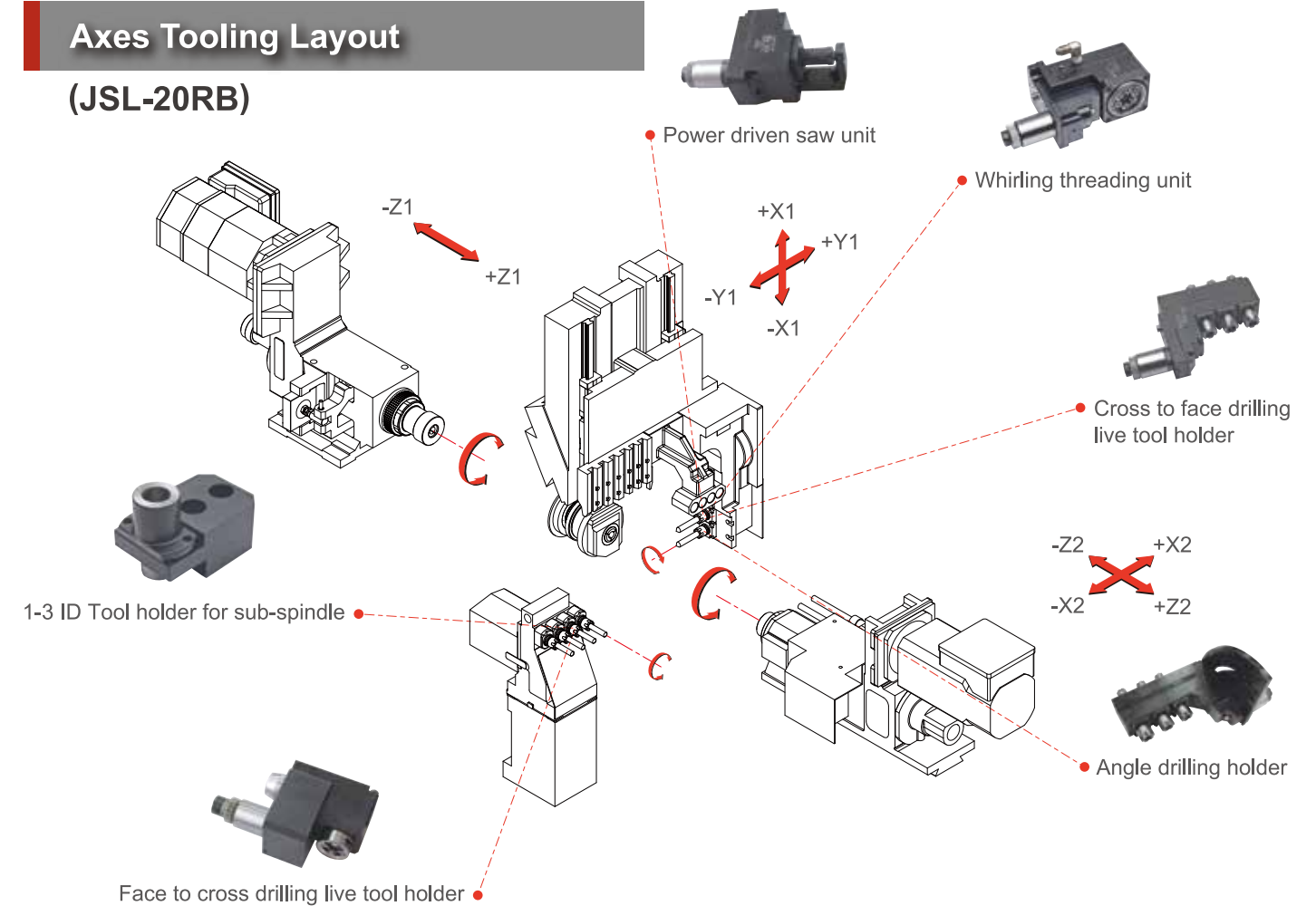
Sub-spindle Tooling System  
 · The sub-spindle tooling system allows the machine to perform back side machining on a part.



JSL-20RB/20RBY

Rotary Guide Bushing Holder  
 · For use on the sliding head lathe to increase stability and surface finish in long part machining.

### Axes Tooling Layout (JSL-20RB)



### Axes Tooling Layout (JSL-20RBY)

