



**MULTI-PATH MACHINING CENTER**

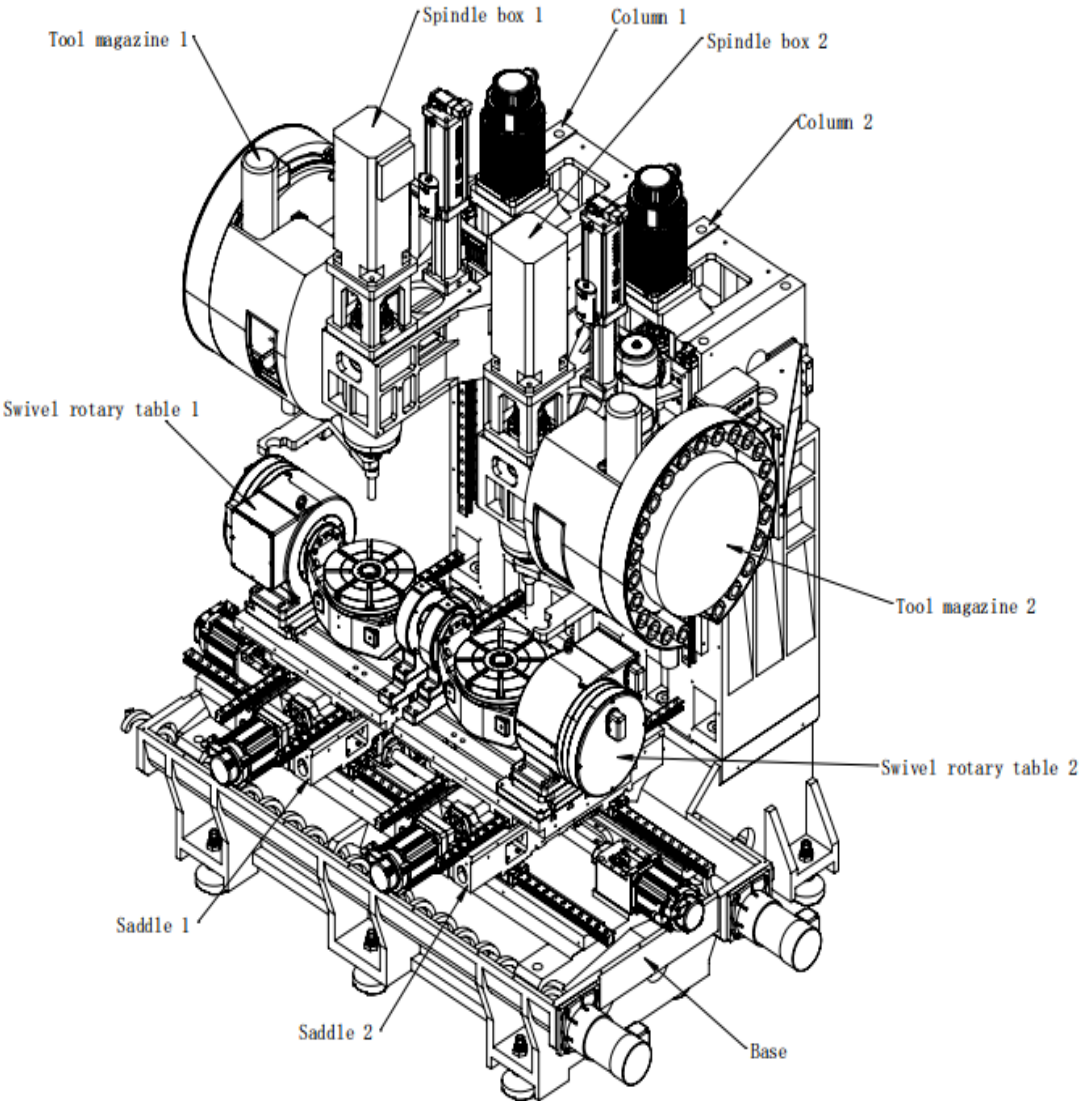
**JS-D680S-5AX**

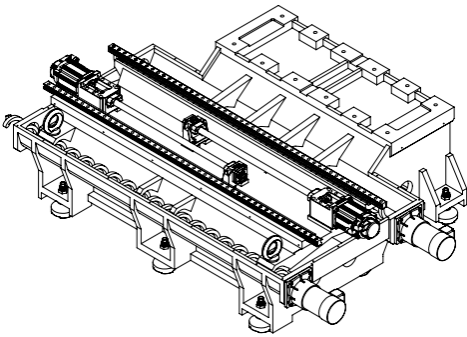
**Mechanical Manual**

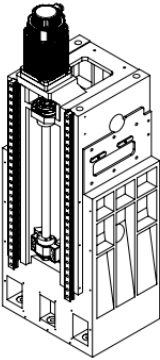
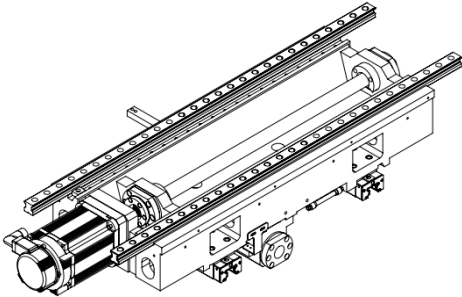
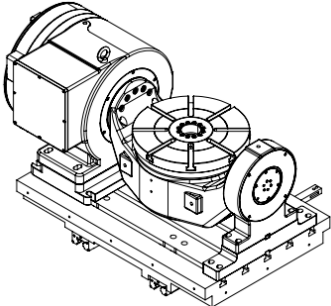
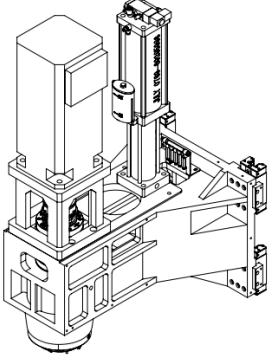
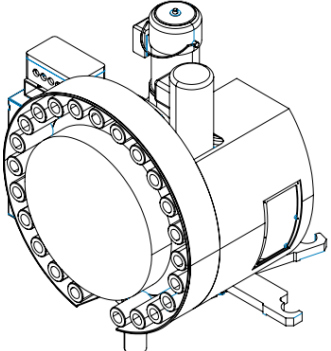
Version 2025

SHENZHEN JOJOY SEIKO CO., LTD.  
HUIZHOU JOJOY SEIKO CO., LTD.

Machine Body

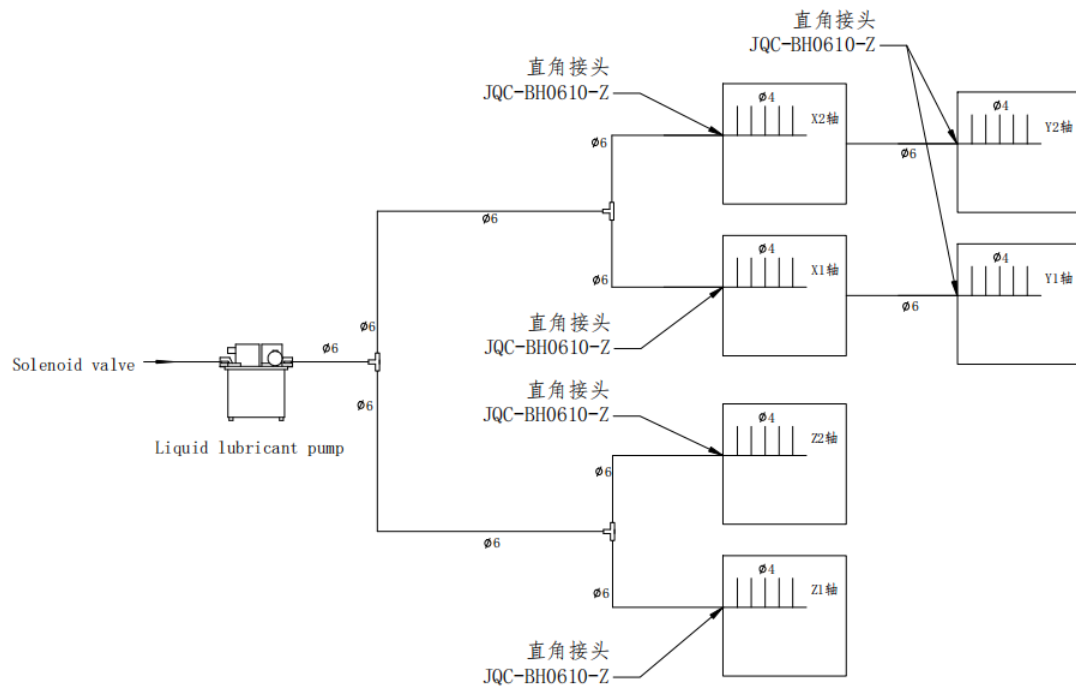


No.	Modules	Description	Pictures	Qty.
1	Base	Supporting part, mounted position of X-axis guides.		1

No.	Modules	Description	Pictures	Qty.
2	Column	Supporting part, mounted position of Z-axis guides.		2
3	Saddle	Supporting part, mounted position of Y-axis guides.		1
4	Swivel rotary table	Processing platform		2
5	Spindle box	Mounted position of spindle		2
6	Tool magazine	Storing and picking tools		2

## Automatic Lubricating System

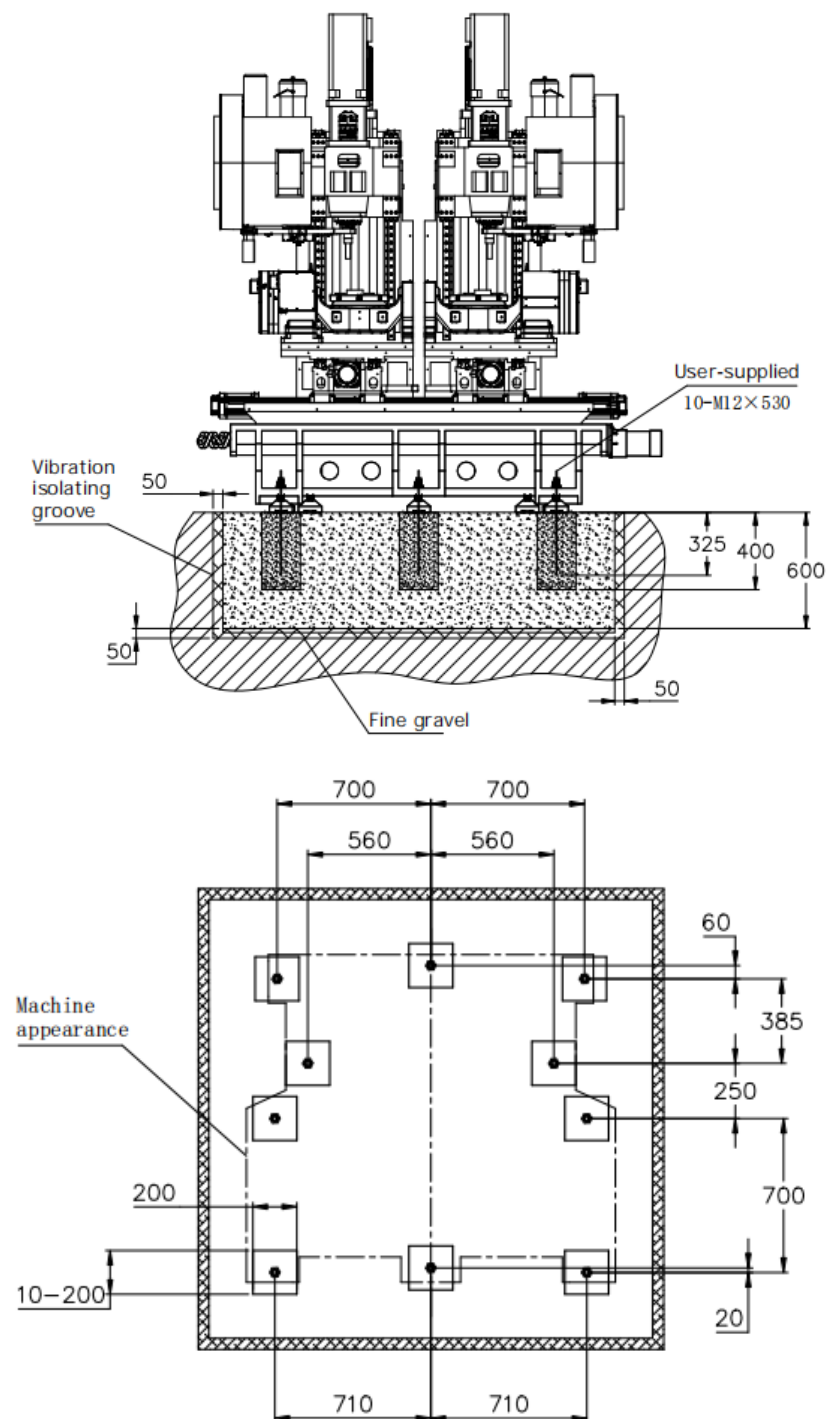
This machine tool adopts centralized automatic oil supply lubrication, with the centralized lubricating oil pump providing oil at regular intervals. At each lubrication point, a quantitative distributor is installed to form a timed and quantified automatic lubrication system.



## Installation

Before installing this machine tool, please check the accessories against the packing list and see if they are in good condition.

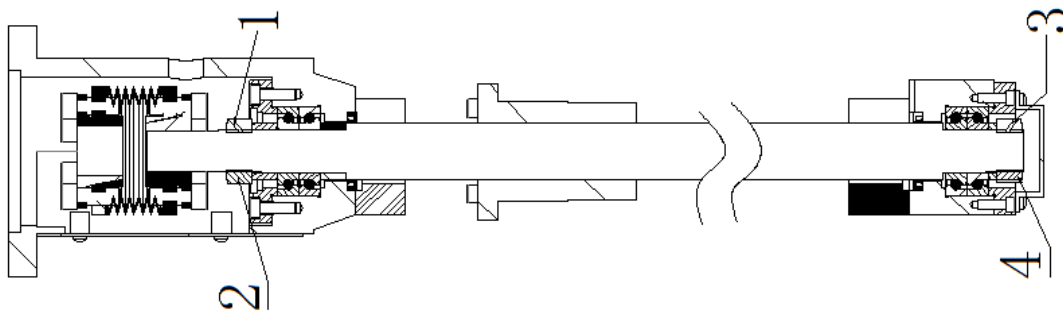
The base of this machine tool is reserved with positions for installing parallels which must be placed on a solid concrete foundation and ensure that all points are at the same level, the levelness should be corrected within 0.02mm/m. The installation instructions as follows.



## Commissioning

Before conducting the trial run of this machine tool, first raise the spindle box a little higher to remove the support rod and clean the anti-rust grease. Then add 68# guide grease into the lubrication pump and wait all the lubrication points fully lubricated.

This machine tool has been fully tested before delivery. However, its ball screw's backlash, positioning accuracy, repeated positioning accuracy may deviate from the standard after long-term operation. In this case, please make appropriate adjustments according to the following procedures:



**STEP 1:** Move the spindle or worktable to an appropriate position.

**STEP 2:** To reach backlash-free of ball screws: remove the motor and loosen the screw 1 on the nut 2, then lock the nut 2 and screw 1 in sequence one by one.

**STEP 3:** To make preloaded of ball screws: loosen the screw 3 on the nut 4, then lock the nut 4 and screw 3 in order one by one.

Besides, it can also be done through the compensation function of CNC controller for backlash-free of ball screws. Please refer to the manual for details.