

Startup package of automation system of
ROBODRILL with robot

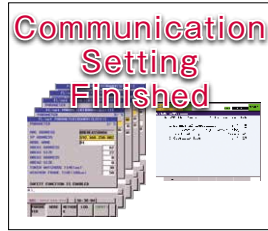
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ROBODRILL Robot Package



Features of ROBODRILL Robot Package

Quick and simple startup



- ROBODRILL and robot are connected.
- System up can be started immediately after delivery.

Sample programs



- Sample programs for automatic workpiece exchange are registered.
- Automatic operation can start after adjusting teaching position.
- Robot exchanges the workpiece by M code signal from ROBODRILL.

Robot interface 2 function



Monitor screen

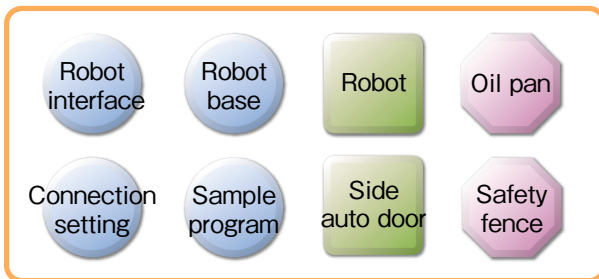


Robot manual operation screen

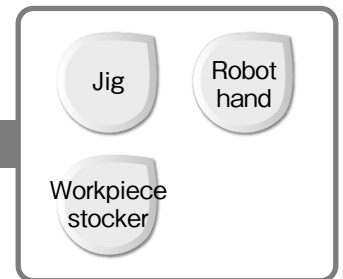
- System operation and status check are available on ROBODRILL screen without additional control panel.
- Robot manual operation is available from ROBODRILL.

System configuration

ROBODRILL Robot Package

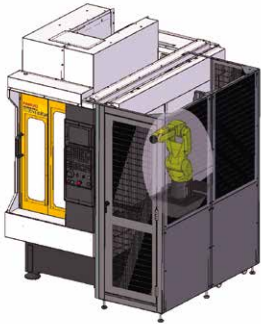


Arranged by customer

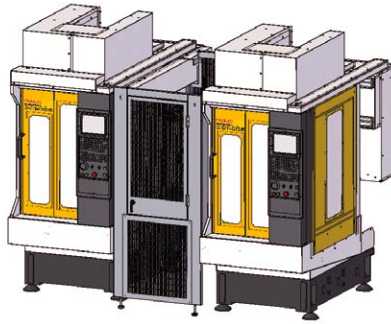


* As for the Robot, LR Mate 200iD, LR Mate 200iD/7L and LR Mate 200iD/14L are selectable.
 * Automatic side door drive type is selectable (air cylinder or servo motor).

Line-up



Side integrated type



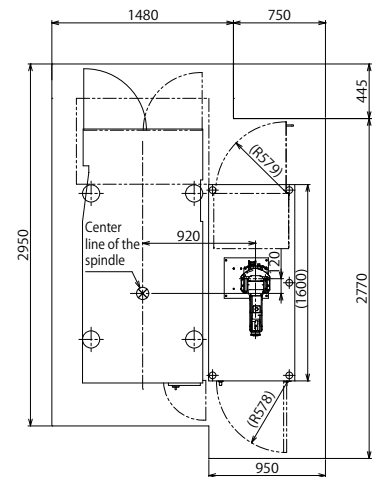
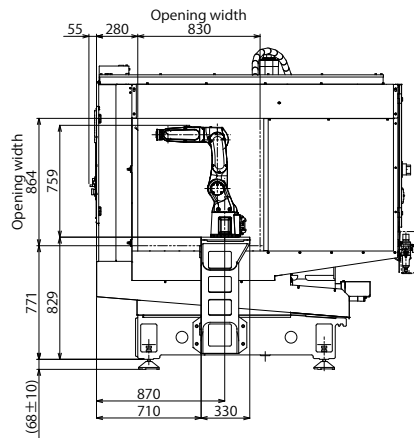
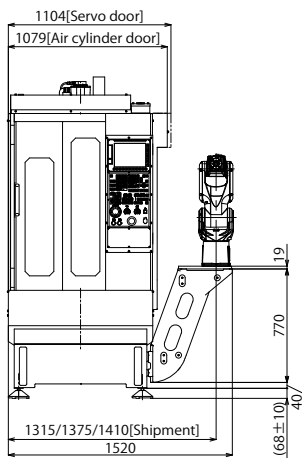
Side integrated type
(two ROBO DRILLS)



Side standalone type

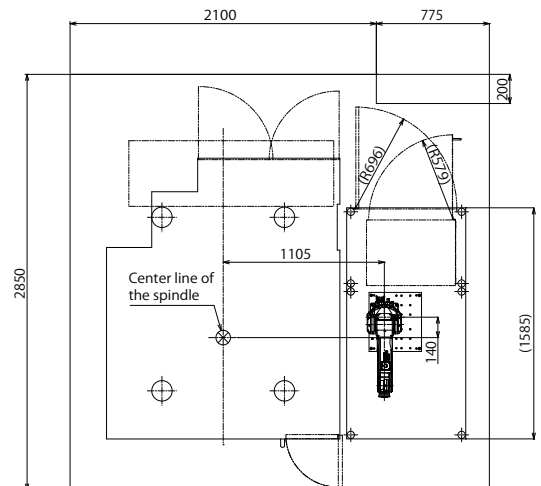
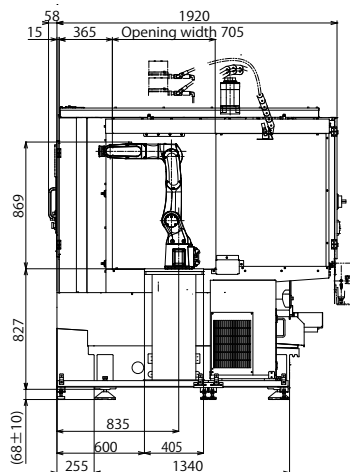
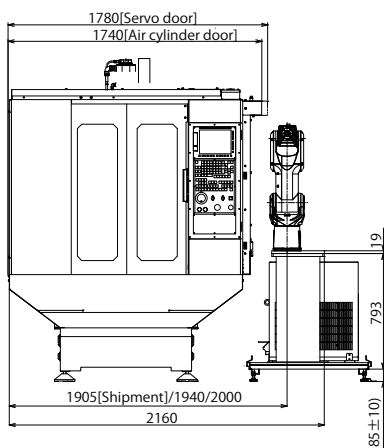
Outer Dimensions and Floor Plan

Side integrated type (for X-axis stroke 300mm)



- * In the figure, LR Mate 200iD is mounted.
- * For further details, please contact FANUC.

Side standalone type (for X-axis stroke 500mm)



- * In the figure, LR Mate 200iD/7L is mounted.
- * For further details, please contact FANUC.

Specification

Item		Detail	
		Side integrated type	Side standalone type
Specifications	ROBODRILL	α -D \dot{I} B Plus series (X-axis stroke 300mm)	α -D \dot{I} B Plus series (X-axis stroke 500mm)
	Robot	LR Mate 200 \dot{I} D LR Mate 200 \dot{I} D/7L LR Mate 200 \dot{I} D/14L	
	Robot controller	R-30 \dot{I} B Mate Plus controller	
Automatic door (side) drive type		Air cylinder (controlled by ROBODRILL) Servo motor (controlled by Robot)	
Mass	Robot	25 kg / 27 kg / 27 kg (installed on the robot base)	
	Robot base	80 kg (fixed on ROBODRILL)*1	500 kg (put on floor)*2
Power source	Power supply	Power for Robot is supplied from ROBODRILL. (Power supply capacity of ROBODRILL +1.2kVA) For detail, refer to the installation information of ROBODRILL.	
	Compressed air supply	Air for Robot is supplied from ROBODRILL. Additional source is not necessary for handling use.	

※1: Mass of safety fence and Robot controller are not included. (separately placed on floor)

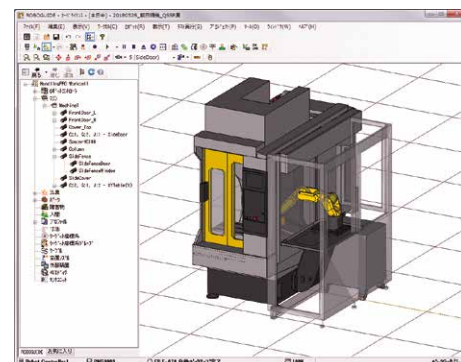
※2: Mass of safety fence and Robot controller are included. (fixed on the base)

Option

ROBOGUIDE (PC software)

- Support tool that enables from design to verification of robot application systems easily and accurately.
- System layout including peripheral devices can be designed.
- Teaching, programing and simulation are available on graphic screen.
- Setup time can be shortened in combination with sample programs of **ROBORILL Robot Package**.

* For further details, refer to **ROBOGUIDE** catalogue.



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