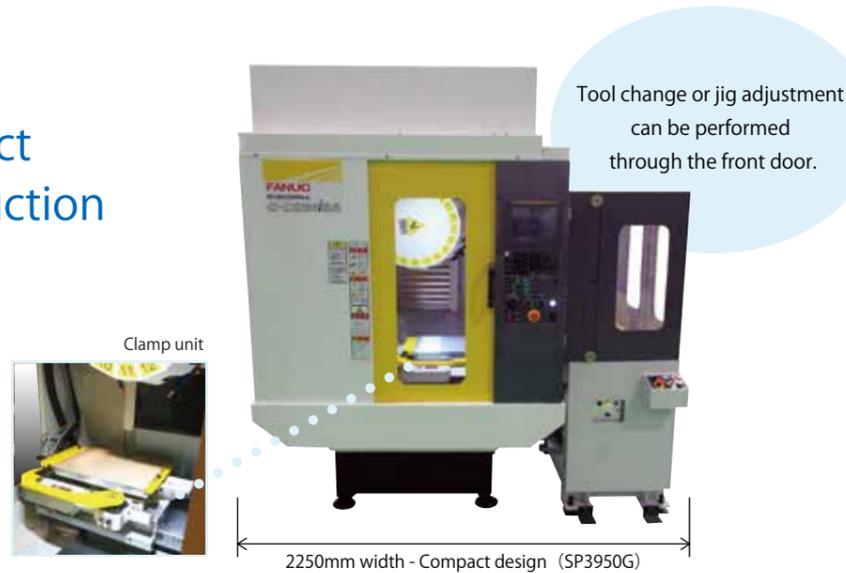


Optimal for Multiproduct Variable quantity production

SP series are Pallet changer which exchange the two independent pallets automatically.

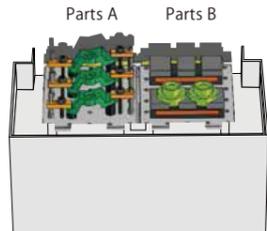
Machining of different parts or emergency parts, Dividing machine process becomes possible by use the pallets individually.



Versatile pallets!

Machining of different parts

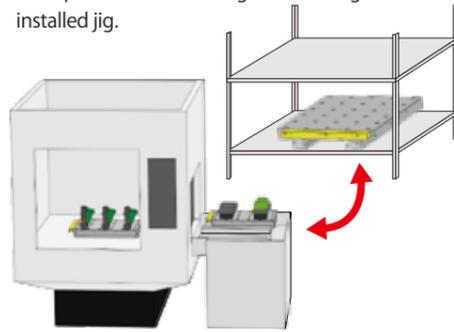
Flexible manufacturing which matched the demand is performed by dividing the jigs to each pallet.



Two different parts with one machine

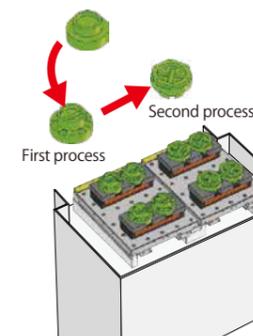
Special pallet for emergency parts

The setup time of jig shorten by having of some extra pallets to be exchanged according to installed jig.



Additional spare pallet (Optional) for emergency parts

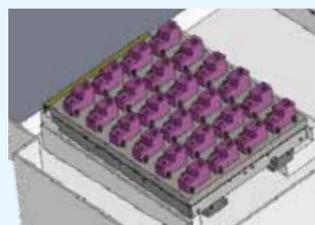
Dividing machine process



Two machine process with one machine

In shuttle type,
the fastest pallet changing time
Also Corresponding to mass-productive

Pallet changing time **6.7 sec.** (SP3950G)
7.3 sec. (SP3970G)

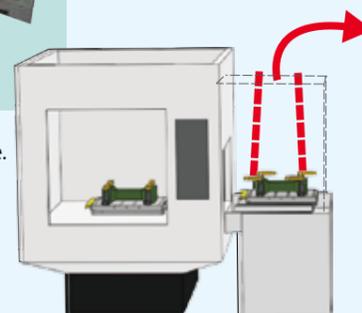


The wide pallet area is suitable for the machining of small-sized parts that take time to setup. This system maximizes productivity without stopping the machine main axis.

The door which can open wide makes changing of jig or heavy workpiece easy.

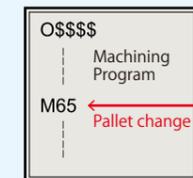


Ceiling crane is available.



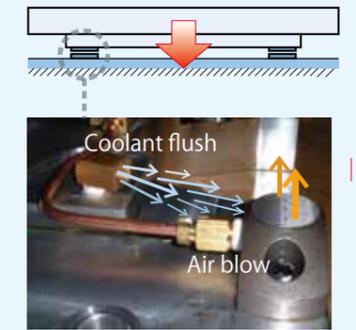
Pallet change in auto mode with M code

Insert M65 into the NC program. The pallets are changed automatically by reading M65 in condition that SET UP button is turned on after work set-up. By using one-side-pallet-change mode, separate machining can be set for each pallet and machining on one side of a pallet only can be performed.



Measure for chips

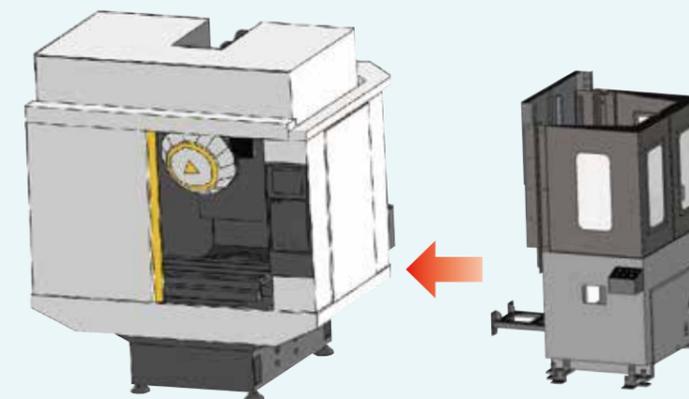
Three measures including air blow, coolant flush, and a gap switch for the pallet seating portion maximize the prevention of production interruptions due to chips.



OPTION

After-Installation specification (Optional) **NEW**

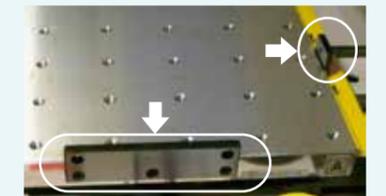
Pallet changer can be installed to the existing Robodrill by using CUSTOM PMC function of Robodrill.



- ※ Available for Robodrill E · F · DiA series
- ※ Regarding workpiece attachment area, the height is different between standard type and after-installation type. (Standard : 360mm / After-installation : 290mm)

Edge locator (Optional)

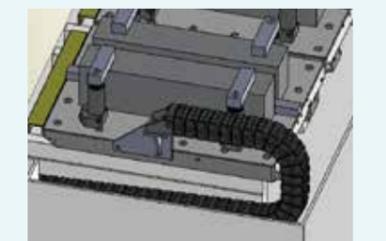
Reduce XY direction alignment process.



Cable track (Optional)

Compatible with rotary tables by use of a cable track and automatic machining can be carried out by use of a hydraulic clamp jig.

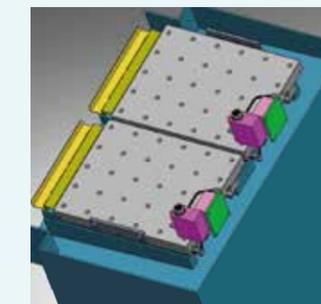
- ※ Cable track is available for the Robodrill which has more than 200 mm high column.



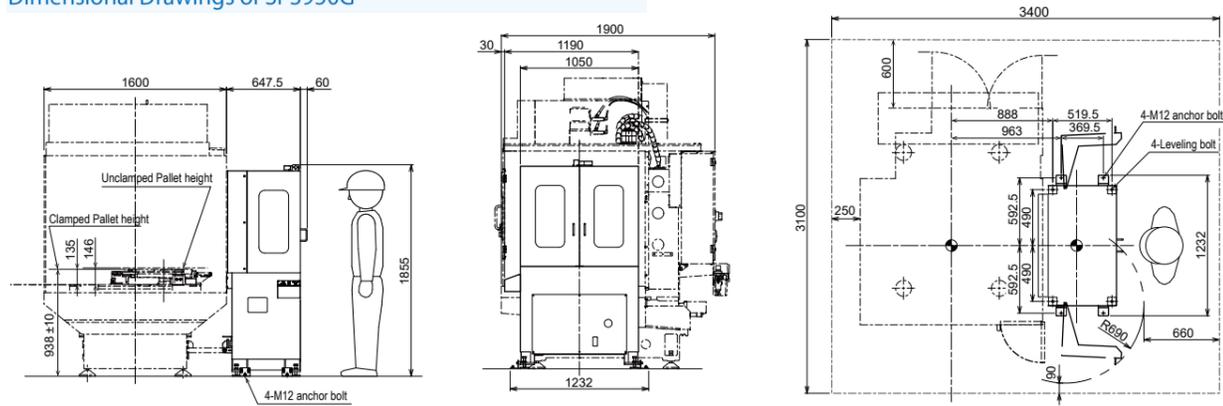
Pneumatic clamp (Optional)

This is an additional option for use of an automatic clamp jig using compressed air.

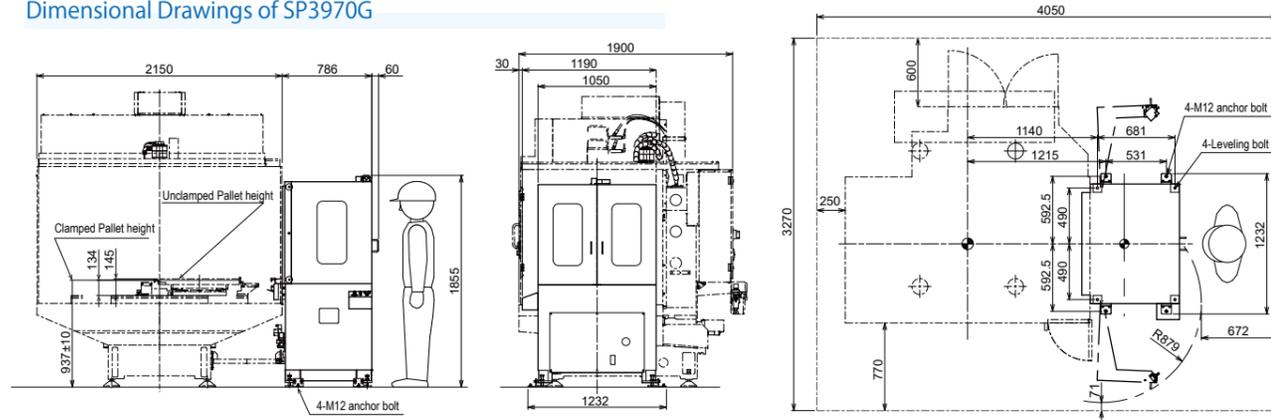
- ※ A selector switch is not included.



Dimensional Drawings of SP3950G



Dimensional Drawings of SP3970G

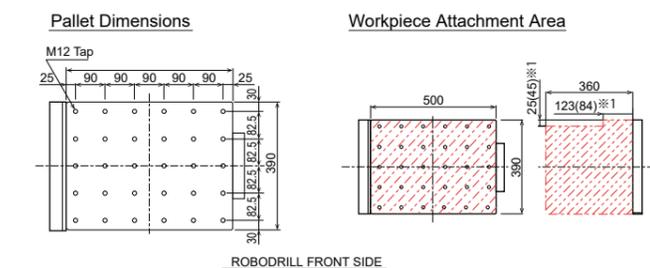


The ROBODRILL dimensions are for reference purpose only.

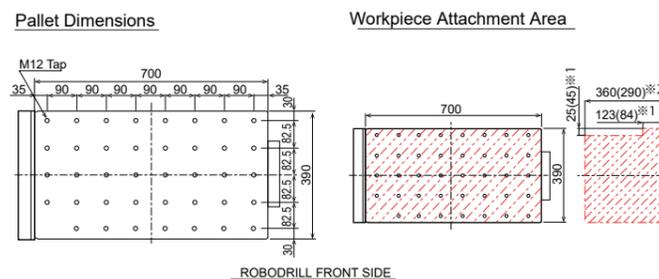
Specifications

Model	SP3950G	SP3970G
Pallet size	390×500×82H	390×700×81H
Maximum pallet loading capacity (Uniform load)	90 kg	110 kg
Pallet pattern	M12 Tap × 30 points	M12 Tap × 39 points
Height of pallet when clamped	938 ± 10 mm	937 ± 10 mm
Height of pallet when unclamped	949 ± 10 mm	948 ± 10 mm
Pallet weight	35 kg	45 kg
Pallet change time	6.7 sec	7.3 sec
Pallet material	Aluminium	Aluminium
Main unit size (mm)	1190×647.5×1855H	1190×786×1855H
Clamp device weight	65 kg	70 kg
Clamping force	7.4kN(760kgf)	7.4kN(760kgf)
Repeatability	0.01mm	0.01mm
Air source	0.5 MPa, 30L/min	0.5 MPa, 30L/min
Power supply	AC200V-50/60Hz, AC220V-60Hz, DC24V, 1.2KVA	AC200V-50/60Hz, AC220V-60Hz, DC24V, 1.2KVA
Options	<ul style="list-style-type: none"> • Pneumatic clamp • Cable track • Edge locator • Cover for spindle through coolant 	

SP3950G



SP3970G



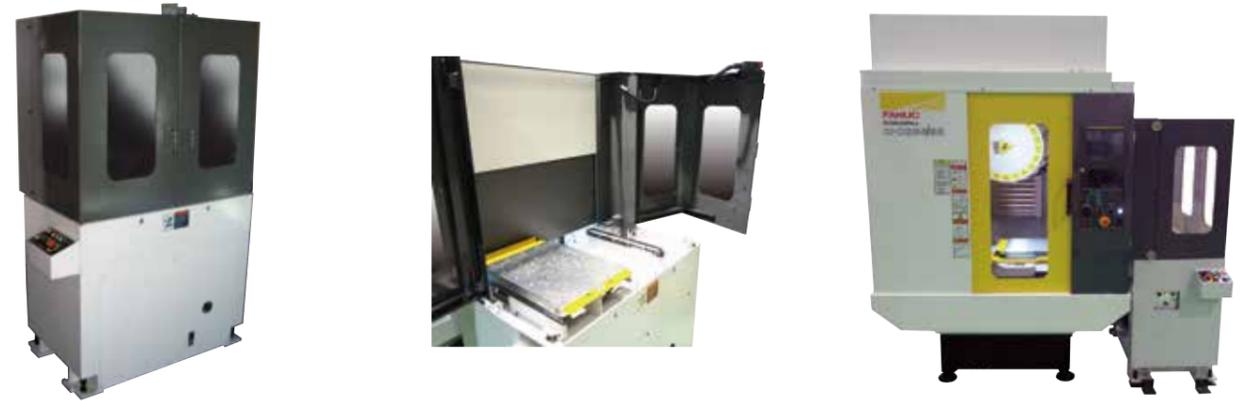
* Please contact FANUC for information about optional specifications for the ROBODRILL pallet ready.

* Available door specification of ROBODRILL L.B is the manual-single door.

- High Column 100mm Option
- Dimension of ()※1 is for Z-axis Metal Cover Option.
- Dimension of ()※2 is for after-installation specification.
- Interference of tools in the above area is not considered.

• All specifications are subject to change without notice.
• No part of this catalog may be reproduced in any form.

Pallet Changer SP series



Dual Pallet Changer for FANUC ROBODRILL SP series PE3010

