

## FANUC Robot M-410*i*C



### FEATURES

- M-410*i*C is an intelligent palletizing robot which contributes for robotization of palletizing system.

- Suitable robot model can be selected according with the work pieces.

-M-410*i*C/185 Payload 185kg

-M-410*i*C/315 Payload 315kg

- There are two type base.

Pedestal type base :

The controller can be placed under the pedestal. It eliminates cabling operation at installation, and saves the installation space.

Compact base :

The base minimizes the robot maximum height. It is suitable for low ceiling place, or for integration into a manufacturing system.

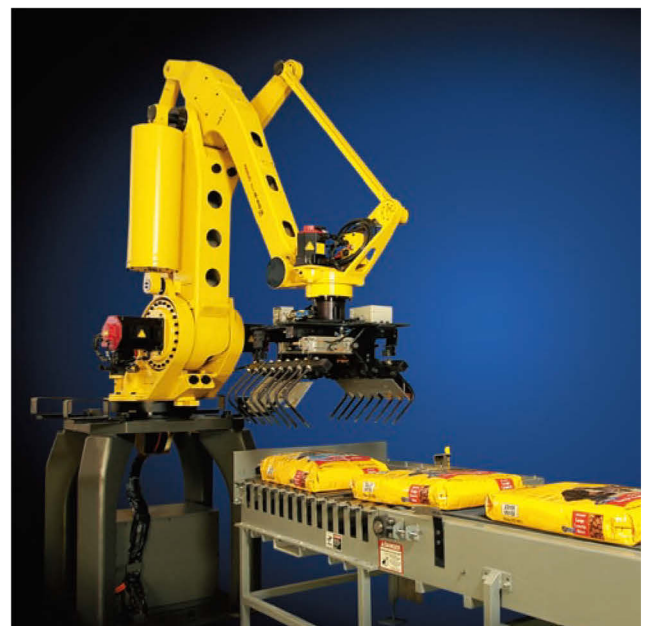
- The hollow wrist enables easy wiring to the hand.

- Advanced intelligent functions are available as an option, such as *i*RVision (integrated vision) .

### Application system



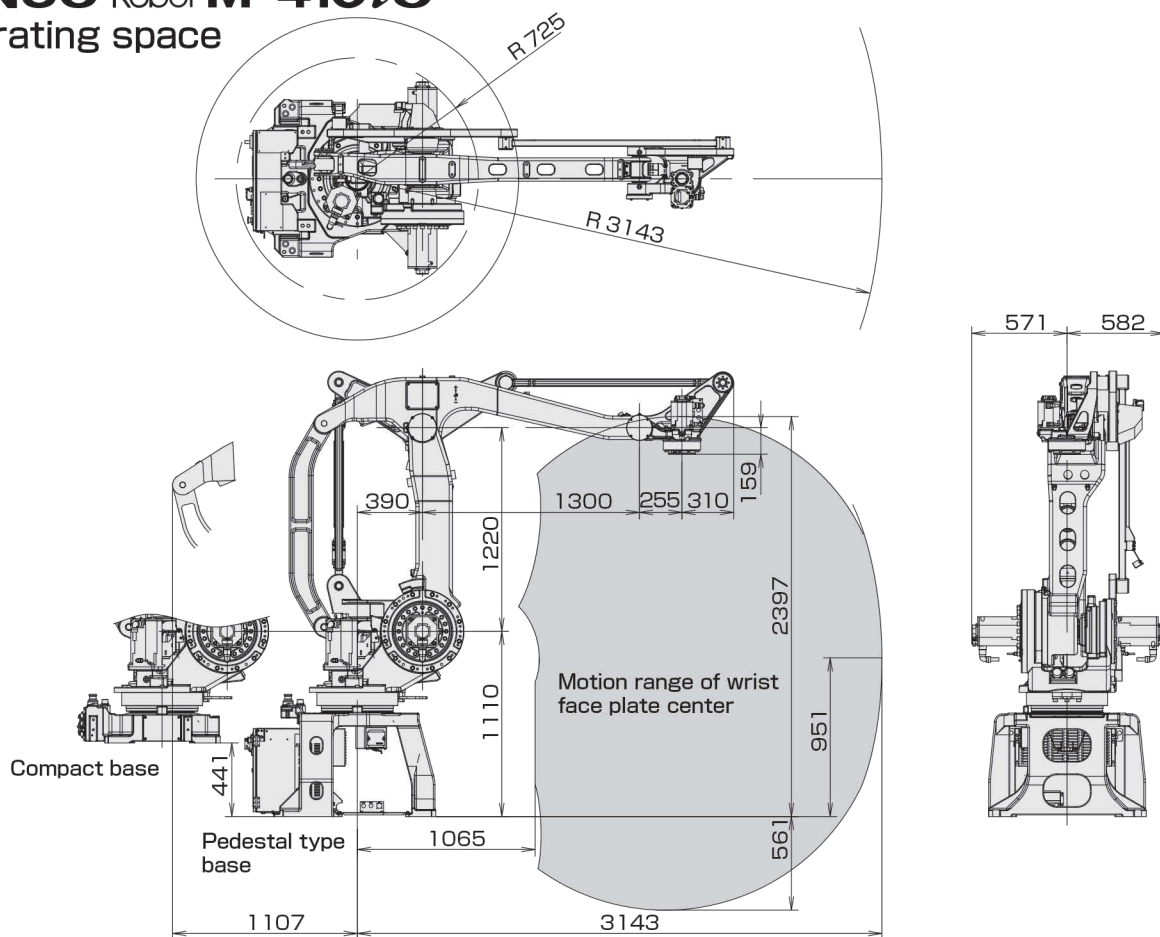
Boxes palletizing



Bags palletizing

# FANUC Robot M-410iC

## Operating space



## Specifications

Item	Specifications				
	M-410iC/185		M-410iC/315		
Type	Articulated Type				
Controlled axes	4 axes (J1,J2,J3,J4)				
Reach	3143mm				
Installation	Floor				
Motion range (Maximum speed) (Note1)	J1 axis rotation	360° (140°/s)	6.28 rad (2.44 rad/s)	360° ( 90°/s)	6.28 rad (1.57 rad/s)
	J2 axis rotation	144° (140°/s)	2.51 rad (2.44 rad/s)	144° (100°/s)	2.51 rad (1.75 rad/s)
	J3 axis rotation	136° (140°/s)	2.37 rad (2.44 rad/s)	136° (110°/s)	2.37 rad (1.92 rad/s)
	J4 axis wrist rotation	720° (305°/s)	12.57 rad (5.32 rad/s)	720° (195°/s)	12.57 rad (3.40 rad/s)
Max. load capacity at wrist	185kg		315kg		
Max. load capacity at J2 base	550kg				
Max. load capacity at J3 arm (Note2)	30kg				
Allowable load inertia at wrist	88 kgm <sup>2</sup>	898 kgfcm <sup>2</sup>	155 kgm <sup>2</sup>	1580 kgfcm <sup>2</sup>	
Drive method	Electric servo drive by AC servo motor				
Repeatability	± 0.5 mm				
Mass	Pedestal type base 1600 kg (Note3) Compact base 1330 kg (Note4)				
Installation environment	Ambient temperature : 0 - 45°C Ambient humidity : Normally 75%RH or less (No dew, nor frost allowed) Short term Max. 95%RH or less (within one month) Vibration acceleration : 4.9m/s <sup>2</sup> (0.5G) or less				

Note 1) In case of short distance motion, the axis speed may not reach the maximum value stated. Note 3) Controller mass (120kg) is included.  
Note 2) Max. payload capacity at wrist are changed by wrist load. Note 4) Controller mass (120kg) is not included.

## Intelligent Robot Solutions



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