



Blu-Robot

The Robot you can afford

PACEPACKER
SERVICES 

Pacepacker Services Limited

www.pacepackerservices.com



THE AFFORDABLE PALLETISER DESIGNED TO
SUIT YOUR APPLICATION.

Power & Accuracy

The Blu-Robot's parallel design gives a powerful, stiff and sturdy structure allowing high speed and high power material palletising, controlled entirely by AC servo motors. IRB 6400 can be used in applications normally carried out by humans, and still maintain the flexibility and cost-efficiency of an industrial robot.

The 6-axis IRB 6400 robot controlled by the IRC-controller provides short and precise cycle times and consistent high process precision. As standard it has 120kg capacity and 2.4m reach. The IRB 6400 robot is controlled by advanced dynamic control functions, always ensuring excellent path accuracy and optimized performance over the entire working envelope.

Technical Specifications

Protection Standards	IEC529
Manipulator	IP54
Wrist	IP55
Controller	IP54

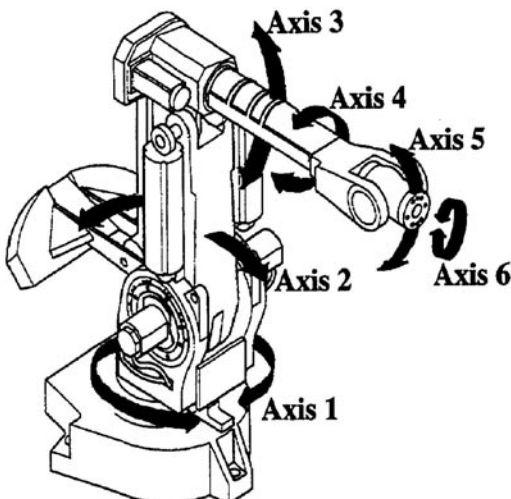
The robot must neither be placed nor operated in an explosive environment.

Power Supply	
Mains voltage	200-600v, 3 phase, +10%,-15%
Mains frequency	48.5 to 61.8Hz
Rated power	6.7kVA (transformer size)
Backup facility life span	1000h (rechargeable battery)

Payload & Reach	
120kg ,including end effector	2.4m reach (standard)
120kg ,including end effector	2.8m reach
75kg ,including end effector	3.0m reach

Relative Humidity	
Complete robot during transportation & storage	Max 95% at constant temperature.
Complete robot during operation	Max 95% at constant temperature.

Range of motion	
Axis 1 (rotation)	+180° to -180°
Axis 2 (arm motion)	+70° to -70°
Axis 3 (arm motion)	+105° to -28°
Axis 4 (wrist motion)	+300° to -300°
Axis 5 (bend motion)	+120° to -120°
Axis 6 (Turn motion)	+300° to -300°

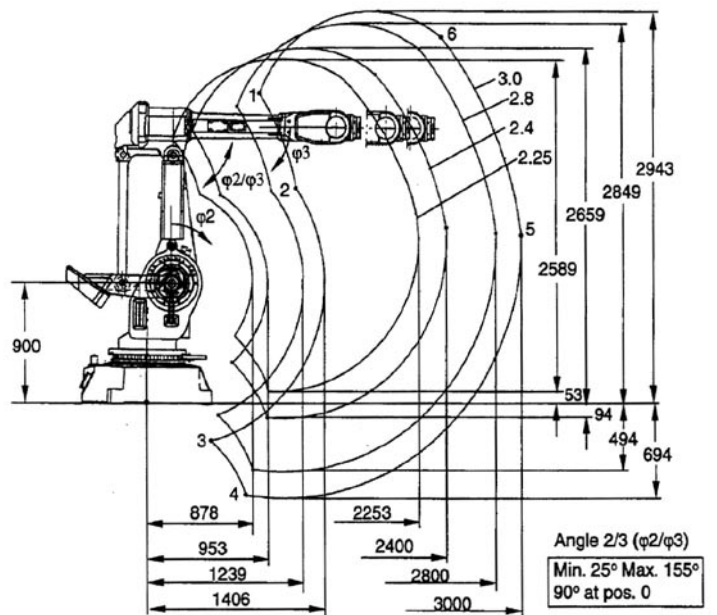


Adaptable for a demanding environment

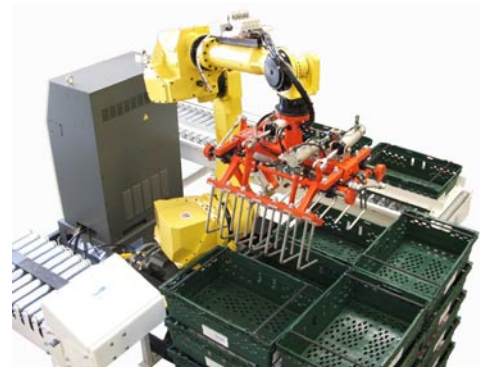
To withstand harsh environments, the robot is protected with improved sealing, motor and connector protection. The compact design with a small interference radius ensures flexible installations in areas with high density of production equipment.

Reliability and Safety

IRB 6400 is a well-proven design, featuring a robust all-steel construction with high material strength. The arms are mechanically balanced and equipped with double bearings. Advanced motion control and collision detection options greatly reduce risk of damage, making this a highly reliable and safe robot. Complete robot cells conform to current health & safety legislation. With life expectancy of at least 100,000 hours from new, units are supplied typically having done only 30,000 hours work.



All dimensions refer to the wrist centre (mm)



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