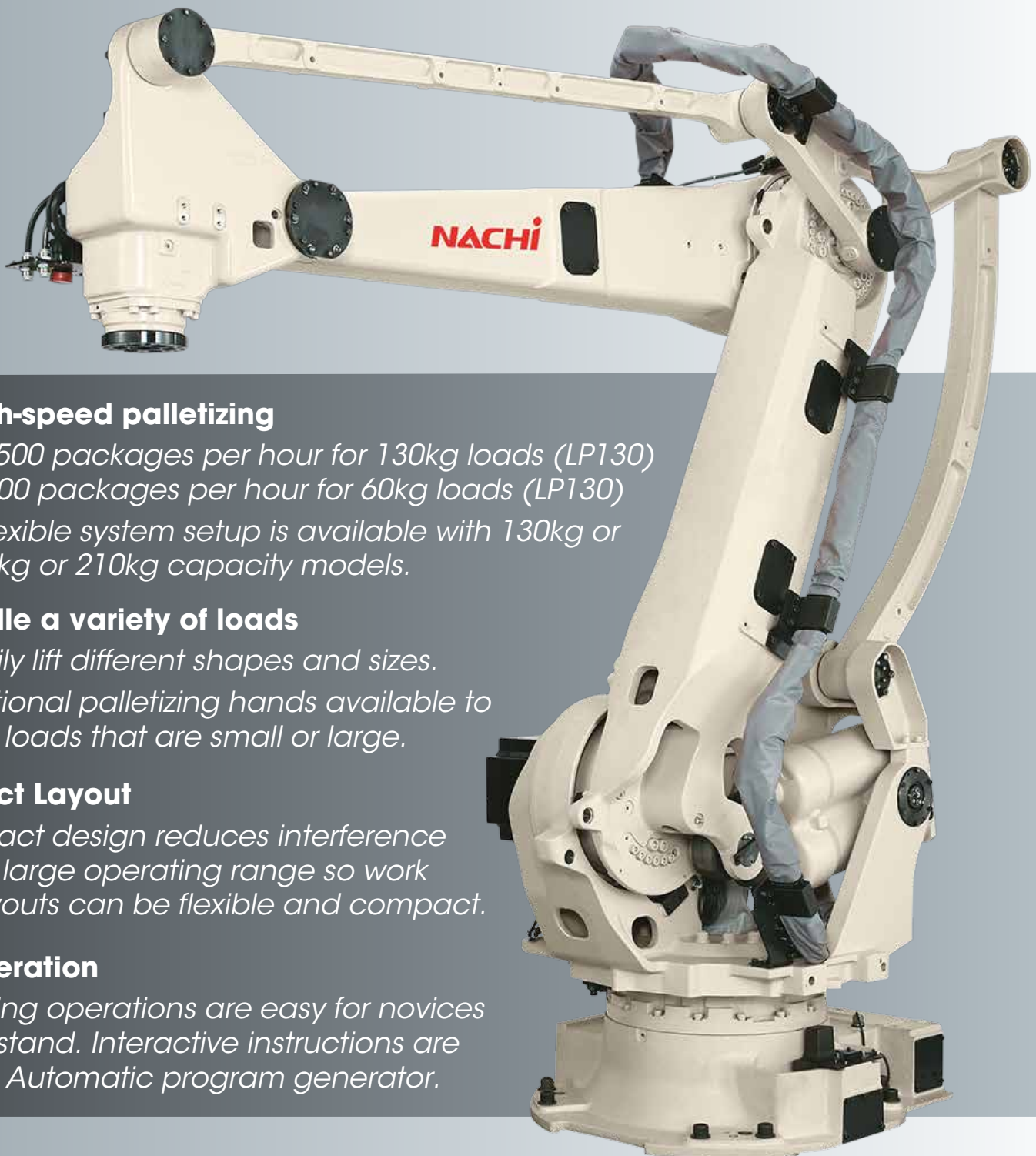


LP *SERIES* **LP130/180/210**

4-axis palletizing robot is flexible and agile



High-speed palletizing

- 1,500 packages per hour for 130kg loads (LP130)
- 1,800 packages per hour for 60kg loads (LP130)
- Flexible system setup is available with 130kg or 180kg or 210kg capacity models.

Handle a variety of loads

- Easily lift different shapes and sizes.
- Optional palletizing hands available to carry loads that are small or large.

Compact Layout

- Compact design reduces interference within a large operating range so work area layouts can be flexible and compact.

Easy Operation

- Teaching operations are easy for novices to understand. Interactive instructions are possible. Automatic program generator.

LP130/180/210

List of basic specifications

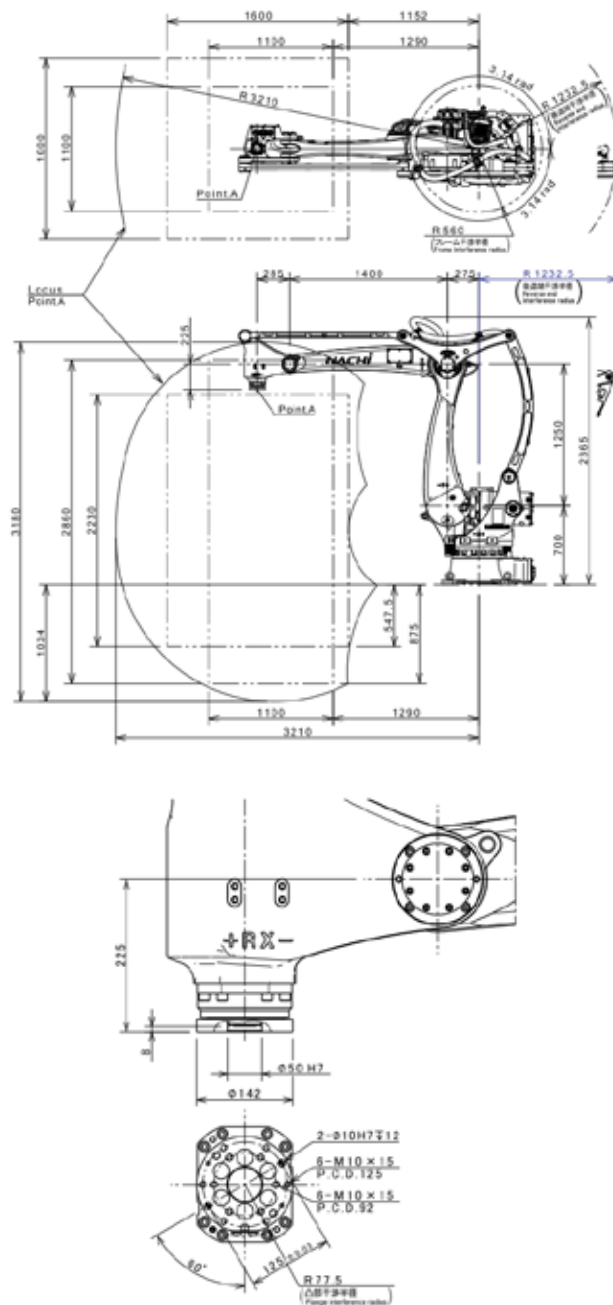
Robot model			LP130	LP180	LP210
Construction			Articulated construction		
Number of axes			4		
Drive system			AC servo system		
Max. operating area	Arm	J1	±3.14rad		
		J2	+0.71 to -1.65rad		
		J3	+0.30 to -2.04rad		
	Wrist	J4	±6.28rad		
Max. velocity	Arm	J1	2.27rad/s	2.01rad/s	1.83rad/s
		J2	2.01rad/s	1.75rad/s	1.75rad/s
		J3	2.01rad/s	1.83rad/s	1.75rad/s
	Wrist	J4	6.98rad/s	6.28rad/s	5.24rad/s
Max. Payload		Wrist	130kg	180kg	210kg
		Forearm*1	25kg		
Max allowable moment of inertia		J4	50kgm ²	69kgm ²	100kgm ²
Repeatability*2			±0.3mm	±0.4mm	
Air piping			-101.3 to 690kPa		
Operating pressure			2-φ12x8 (up to wrist)		
Signal line for applications			20 circuits (up to wrist) 6 circuits (up to forearm)		
Installation method			Floor mounted		
Installation conditions			Ambient temperature : 0 to 45 °C Ambient humidity : 20 to 85% RH (without condensation) Vibration : 0.5G or less		
Robot mass			1,150kg		

1[rad]=180/ π [°] 1[N·m]=1/9.8[kgf·m]

(*1) Varies according to wrist load conditions and installation position.

(*2) JIS B 8432 compliant.

Exterior dimensions and operating envelope



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● The specifications are subject to changes without notice.

● In case that an end user uses this product for military purpose or production of weapon, this product may be liable for the subject of export restriction stipulated in the Foreign Exchange and Foreign Trade Act. Please go through careful investigation and necessary formalities for export.