

# **Standard specifications**

## **PST100-F2**

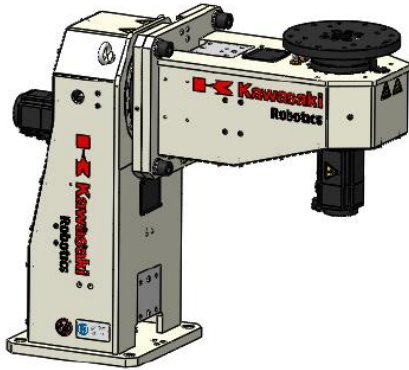
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KAWASAKI HEAVY INDUSTRIES, LTD.

ROBOT DIVISION

DESIGNED AND MANUFACTURED BY ASTOR LTD.

## 1. Specification of positioner



- General purpose double axis positioner,
- Horizontal rotating axis + Vertical rotating axis,
- Used as an external axis with Kawasaki robots (E0x controller),
- Based on Kawasaki components and according to Kawasaki standards,
- Simple/modular body design,
- Lightweight.

## 2. Technical parameters

Model	PST100-F2
Max. payload	100 kg
Degree of freedom	2 axis
Nominal torque JT1	265 Nm
Max. torque JT1	660 Nm
Nominal torque JT2	167 Nm
Max. torque JT2	412 Nm
Turning range JT1	+/-180°
Turning range JT2	+/-360°*
Max. rotating speed JT1	180°/s
Max. rotating speed JT2	180°/s
Repeatability	±0.05 mm**
Max. offset COG from rotating axis JT2	100 mm
Max. offset COG from flange surface	100 mm
Max. mass moment of inertia JT1	80 kgm <sup>2</sup>
Max. mass moment of inertia JT2	60 kgm <sup>2</sup>
Mass	140 kg
Default height of rotating axis JT1	709 mm
Installation	Floor
Color	NCS S 0510-G50Y & RAL9011
Built-in utilities	Welding ground transfer system
Nominal weld current – 100% duty cycle	500 A
Environment cond.	0÷40°C (Humidity) 35÷85%, no dew

\*on radius r=340mm from rotating axis

### 3. Dimensions

