

# **Standard specifications**

## **PST1000**

1st Edition: May 25, 2018

KAWASAKI HEAVY INDUSTRIES, LTD.

ROBOT DIVISION

DESIGNED AND MANUFACTURED BY ASTOR LTD.

## 1. Specification of positioner



- General purpose single axis positioner,
- Horizontal 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,
- Hollow shaft – for a direct supply of energy and fluids,
- Lightweight.

## 2. Technical parameters

| Model                                  | PST1000                             |
|--|-------------------------------------|
| Max. payload                           | 1000 kg                             |
| Degree of freedom                      | 1 axis                              |
| Nominal torque                         | 1960 Nm                             |
| Max. torque                            | 4900 Nm                             |
| Max. tilting torque                    | 6850 Nm                             |
| Turning range                          | +/-360°*                            |
| Max. rotating speed                    | 120°/s                              |
| Repeatability                          | ±0.05 mm**                          |
| Max. offset COG from rotating axis     | 200 mm                              |
| Max. mass moment of inertia            | 1200 kgm <sup>2</sup>               |
| Mass                                   | 430 kg                              |
| Default height of rotating axis        | 975 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<br>(Humidity) 35÷85%, no dew |

\*possibility of setup range +/-36000

\*\*on radius r=340mm from rotating axis

### 3. Dimensions

