

## **Standard specifications**

# **PST250-M3-H2V1-2000**

1st Edition: May 25, 2018

KAWASAKI HEAVY INDUSTRIES, LTD.

ROBOT DIVISION

DESIGNED AND MANUFACTURED BY ASTOR LTD.

## 1. Specification of positioner



- General purpose double axis positioner,
- Vertical axis and double Horizontal rotating axes,
- 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.

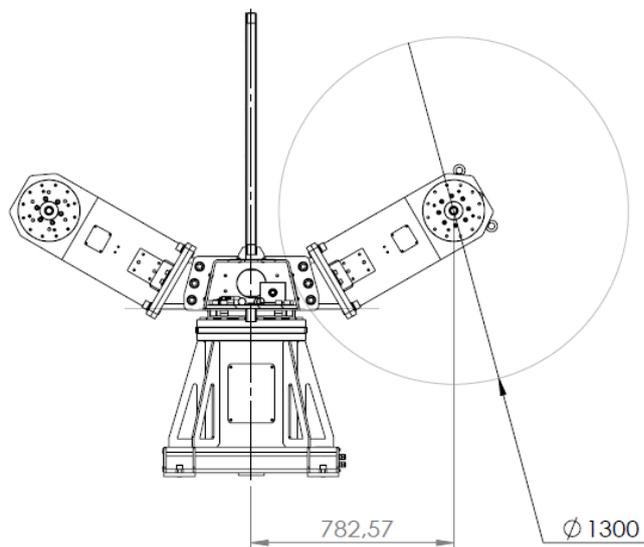
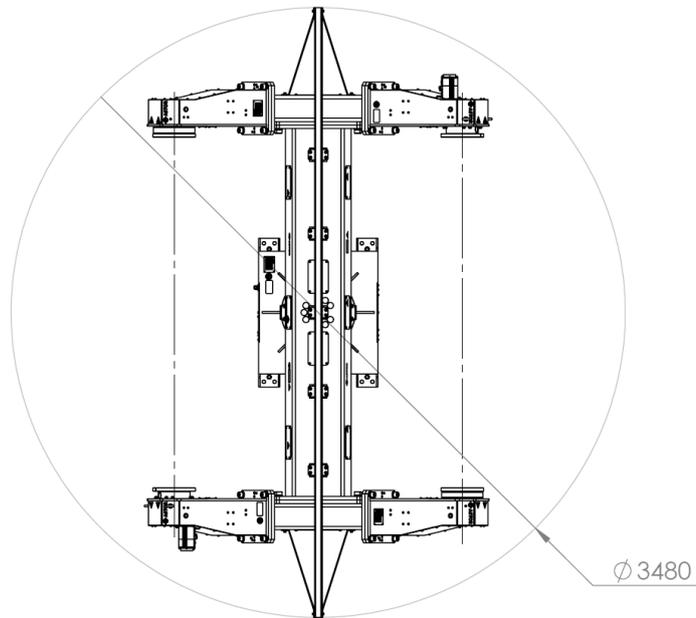
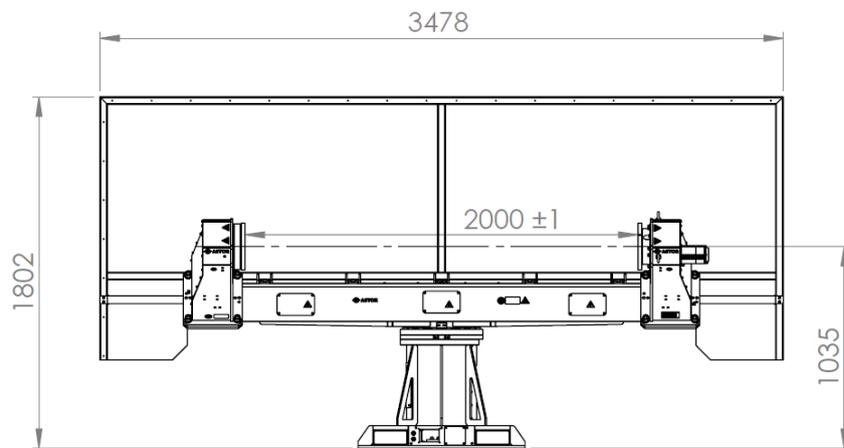
## 2. Technical parameters

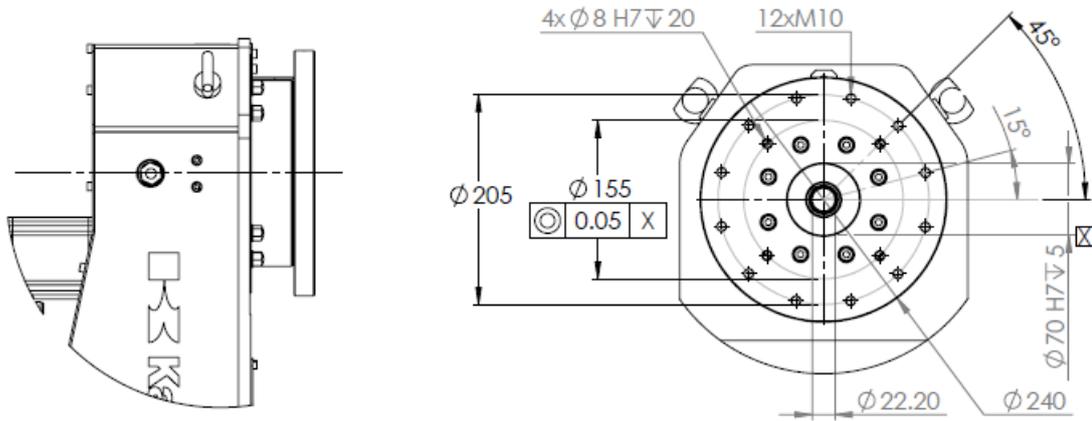
| Model   | PST250-M3-H2V1-2000                 |
|---|-------------------------------------|
| Max. payload  | 250 kg                              |
| Degree of freedom   | 3 axis                              |
| Max. diameter of the detail   | 1300 mm                             |
| Load ratio between the parties  | 100:60                              |
| Nominal torque JT2/3  | 265 Nm                              |
| Turning range JT1   | +/-182°                             |
| Turning range JT2/3   | +/-360°*                            |
| Max. rotating speed JT1   | 75°/s                               |
| Max. rotating speed JT2/3   | 180°/s                              |
| Repeatability   | ±0.05 mm**                          |
| Max. offset COG from rotating axis JT2/3                              | 100 mm                              |
| Turning time JT1 (180°)   | 3.35 s                              |
| Max. mass moment of inertia JT1- without the inertia of the structure | 950 kgm <sup>2</sup>                |
| Max. mass moment of inertia JT2/3                                     | 80 kgm <sup>2</sup>                 |
| Mass  | 1050 kg                             |
| Max. loading height   | 1035 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

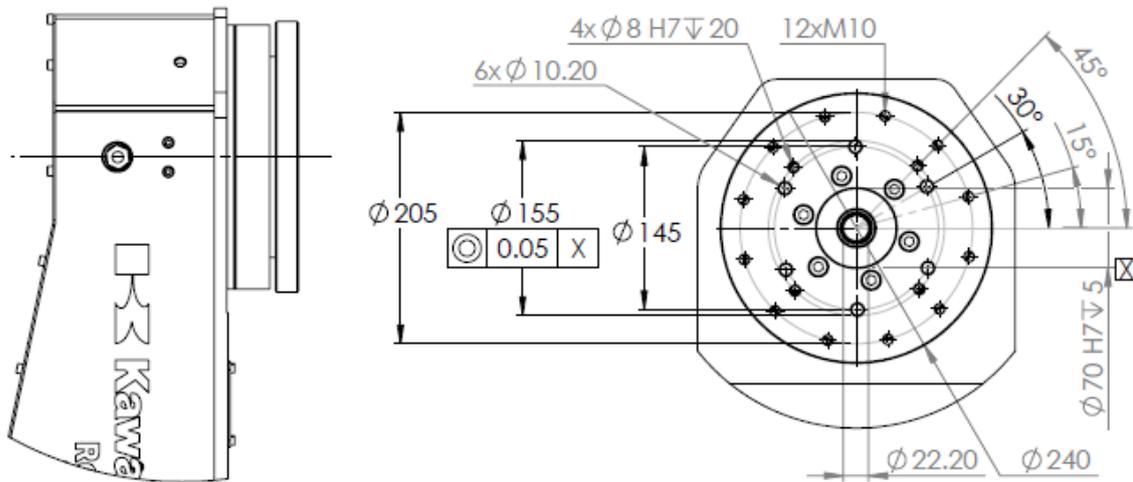
\*\*on radius r=340mm from rotating axis

### 3. Dimensions





Flange motor



Flange support