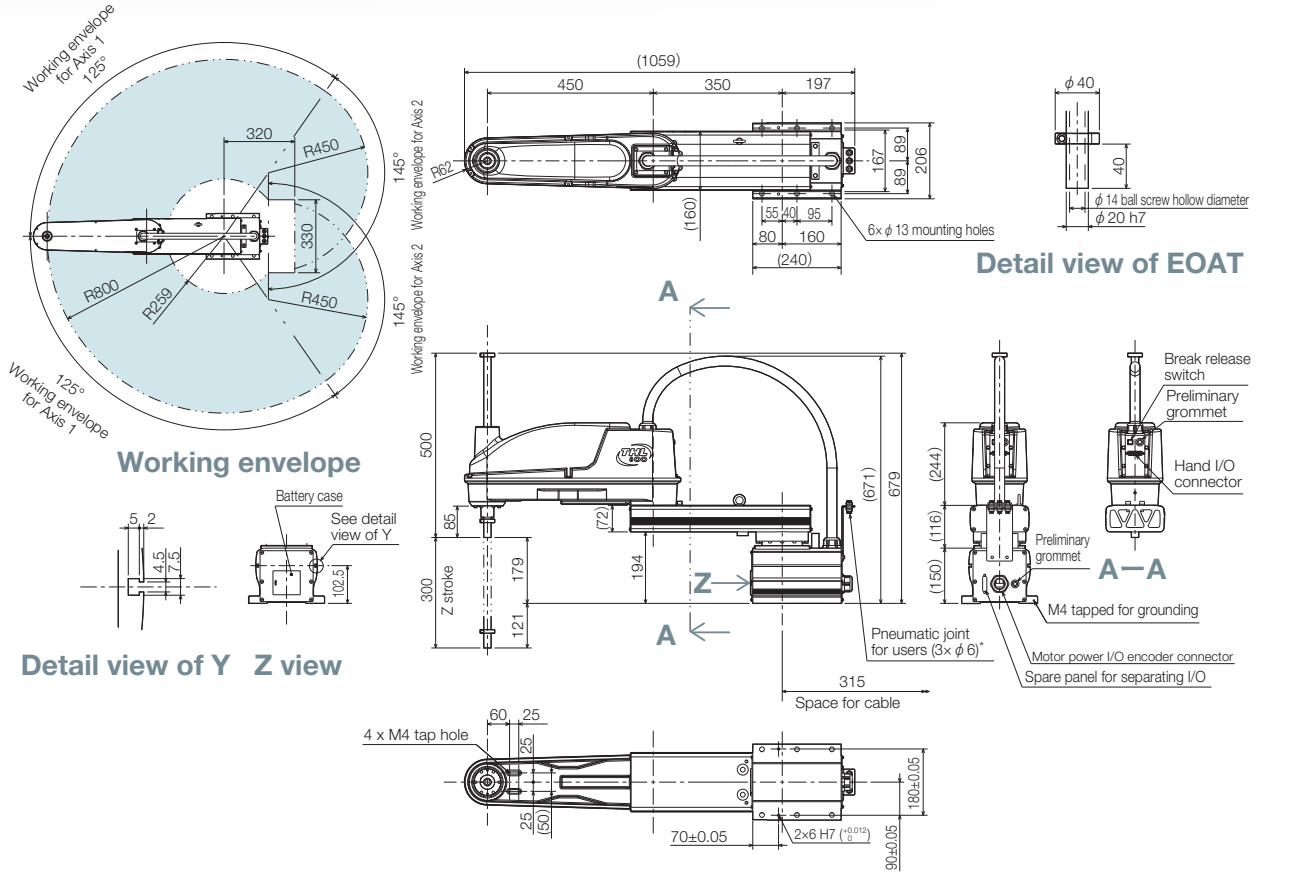
# THL800

| Model | | THL800 |
|---|---|---|
| Arm length (1st Arm + 2nd Arm) | | 800 mm (350 mm+450 mm) |
| Working envelope | Axis 1 | ±125 deg |
| | Axis 2 | ±145 deg |
| | Axis 3 (Axis Z) | 0~300 mm |
| | Axis 4 (Axis C) | ±360 deg |
| Maximum speed | Axis 1 | 187.5 deg/sec |
| | Axis 2 | 217.5 deg/sec |
| | Axis 3 (Axis Z) | 2000 mm/sec |
| | Axis 4 (Axis C) | 1700 deg/sec |
| | Composite (Axis 1 and 2 composite) | 4300 mm/sec |
| Standard cycle time *1 | | 0.47 sec (with 2 kg load) |
| Maximum payload mass *2 | | 10 kg (rated 2 kg) |
| Allowable moment of inertia *2 | | 0.2 kg·m$^2$ |
| Positioning repeatability *3 | X-Y | ±0.02 mm |
| | Axis Z (Axis 3) | ±0.015 mm |
| | Axis C (Axis 4) | ±0.007 deg |
| Hand wiring | | 8 inputs and 8 outputs |
| Hand pneumatic joint *4 | | ϕ6 x 3 pcs |
| Robot controller cable | | 3.5 m |
| Power supply | | 1.4 kVA |
| Mass | | 33 kg |
| Connectable controller | | TSL3000, TSL3000E |

For *1 to *4 please see page 15.

## External View

* The air tubes are packed, which need to be installed by the user.

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