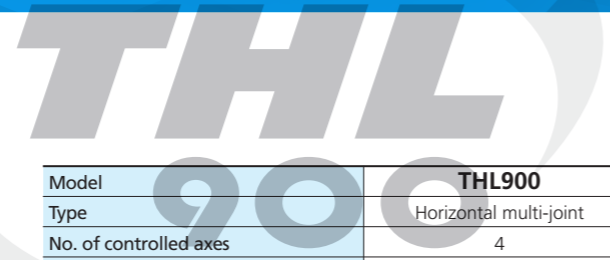


SCARA ROBOT THL900



| Model | | THL900 |
|--|--------------------------|----------|
| Type | Horizontal multi-joint | |
| No. of controlled axes | 4 | |
| Arm length | 900mm (450mm+450mm) | |
| Working envelope | Axis 1 | ±125° |
| | Axis 2 | ±145° |
| | Axis 3 (Z axis) | 0~300mm |
| | Axis 4 (Z-axis rotation) | ±360° |
| Maximum speed*1 | Axis 1 | 187.5°/s |
| | Axis 2 | 217.5°/s |
| | Axis 3 (Z axis) | 2000mm/s |
| | Axis 4 (Z-axis rotation) | 1700°/s |
| | Composite | 4.6m/s |
| Standard cycle time (with 2 kg load)*2 | 0.48s | |
| Maximum payload mass | 10kg (rated: 2kg) | |
| Allowable moment of inertia | 0.2kg·m ² | |
| Positioning repeatability*3 | X-Y | ±0.02mm |
| | Z (Axis 3) | ±0.015mm |
| | Axis θ (Z-axis rotation) | ±0.007° |
| Hand wiring | 8 inputs / 8 outputs | |
| Hand pneumatic joints*4 | φ6 x 3 pcs. | |
| Position detection | Absolute | |
| Robot controller cable | 3.5m | |
| Power capacity | 1.4kVA | |
| Mass | 35kg | |

■For *1 to *4, please see page 5.

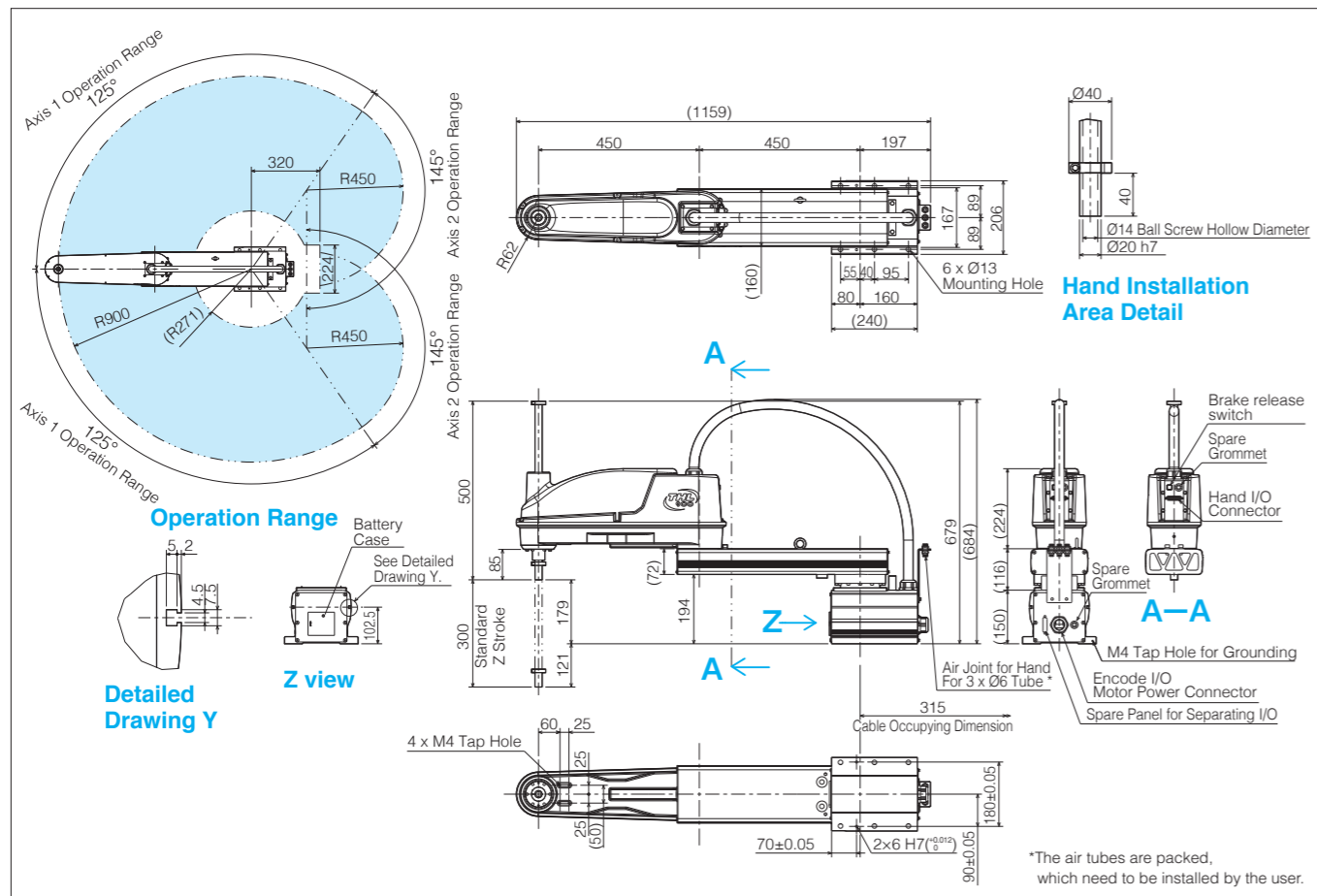
SCARA ROBOT THL1000



| Model | | THL1000 |
|--|--------------------------|----------|
| Type | Horizontal multi-joint | |
| No. of controlled axes | 4 | |
| Arm length | 1000mm (550mm+450mm) | |
| Working envelope | Axis 1 | ±125° |
| | Axis 2 | ±145° |
| | Axis 3 (Z axis) | 0~300mm |
| | Axis 4 (Z-axis rotation) | ±360° |
| Maximum speed*1 | Axis 1 | 187.5°/s |
| | Axis 2 | 217.5°/s |
| | Axis 3 (Z axis) | 2000mm/s |
| | Axis 4 (Z-axis rotation) | 1700°/s |
| | Composite | 5.0m/s |
| Standard cycle time (with 2 kg load)*2 | 0.48s | |
| Maximum payload mass | 10kg (rated: 2kg) | |
| Allowable moment of inertia | 0.2kg·m ² | |
| Positioning repeatability*3 | X-Y | ±0.02mm |
| | Z (Axis 3) | ±0.015mm |
| | Axis θ (Z-axis rotation) | ±0.007° |
| Hand wiring | 8 inputs / 8 outputs | |
| Hand pneumatic joints*4 | φ6 x 3 pcs. | |
| Position detection | Absolute | |
| Robot controller cable | 3.5m | |
| Power capacity | 1.4kVA | |
| Mass | 37kg | |

■For *1 to *4, please see page 5.

External view



External view

