

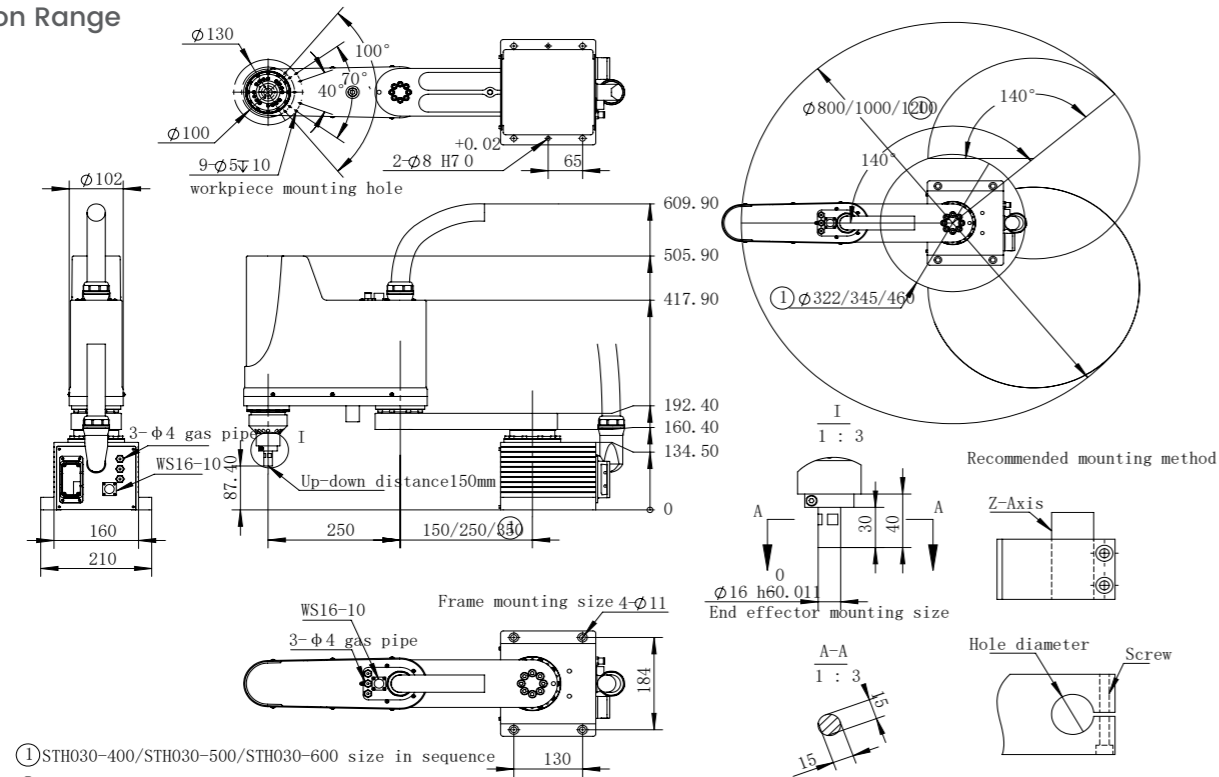
STH030S/E

Payload: 3kg
Arm Reach: 400/500/600mm



| | | J1 axis | | | J2 axis | J3 axis | R axis |
|--------------------------------------------------------|--------------------------|-----------------------------------------|--------------------|--------------------|-------------|--------------------------------|----------|
| Shaft Specifica | Arm length (mm) | STH030E-400 150 | STH030E-500 250 | STH030E-600 350 | 250 | 150 | - |
| | Rotation range (degrees) | 140 -140 | | | 140 -140 | 360 -360 | |
| Motor name | | NOVANCE Brand | | | | | |
| Reducer mechanis | Motor output | 400W(AC) | | | 200W(AC) | 200W(AC) | 100W(AC) |
| | Reducer | Laifu Hamonic + SHIMPO Hamonic | | | | | |
| | Driving method | Motor and reducer Reducer and output | | Direct | | pulley + belt pulley + belt | |
| Repeat positioning accuracy (X, Y, Z: mm) (r: degrees) | | ±0.01 | | | ±0.02 | | ±0.016 |
| Max. speed (x,y,z:mm/sec) (r:degree/sec) | | 360 | | | 576 | 800 | 565 |
| Maximum handling weight (kg) | | 3kg | | | | | |
| Standard cycle time: 1KG be transported(s) | | 0.4s | | | | | |
| R axis allows moment of inertia (KGm2) | | 0.05 | | | | | |
| Input (IN) Output (OUT) | | 0.2*10 | | | | | |
| User piping (outside) | | 4*3 | | | | | |
| Robot cable length (m) | | Standard: 3 | | | Optional: 5 | | |
| Body weight (KG) | | 16.8-19KG | | | | | |
| Controller cabinet | | TRC3C-A04 | | | | | |

Motion Range



STH060S/E

Payload: 6kg
Arm Reach: 500/600/700mm



| | | J1 axis | | | J2 axis | J3 axis | R axis |
|--------------------------------------------------------|--------------------------|-----------------------------------------|--------------------|--------------------|-------------|--------------------------------|----------|
| Shaft Specifica | Arm length (mm) | STH060E-500 200 | STH060E-600 300 | STH060E-700 400 | 300 | 200 | - |
| | Rotation range (degrees) | 135 -135 | | | 135 -135 | 360 -360 | |
| Motor name | | NOVANCE Brand | | | | | |
| Reducer mechanis | Motor output | 750W(AC) | | | 400W(AC) | 400W(AC) | 200W(AC) |
| | Reducer | Laifu Hamonic + SHIMPO Hamonic | | | | | |
| | Driving method | Motor and reducer Reducer and output | | Direct | | pulley + belt pulley + belt | |
| Repeat positioning accuracy (X, Y, Z: mm) (r: degrees) | | ±0.02 | | | ±0.02 | | ±0.02 |
| Max. speed (x,y,z:mm/sec) (r:degree/sec) | | 288 | | | 460 | 640 | 452 |
| Maximum handling weight (kg) | | 6kg | | | | | |
| Standard cycle time: 1KG be transported(s) | | 0.5s | | | | | |
| R axis allows moment of inertia (KGm2) | | 0.11 | | | | | |
| Input (IN) Output (OUT) | | 0.2*10 | | | | | |
| User piping (outside) | | 6*3 | | | | | |
| Robot cable length (m) | | Standard: 3 | | | Optional: 5 | | |
| Body weight (KG) | | 37.5-42KG | | | | | |
| Controller cabinet | | TRC3C-A04 | | | | | |

Motion Range

