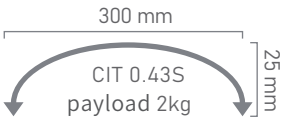


Model P3-401S

Operating range    Arm length400mm    Joint#3 stroke 150mm

Payload                Rated 1kg/Maximum 3kg

Standard cycle time    0.43 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)  
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability    ± 0.01mm    ± 0.01mm    ± 0.01°  
                         Joint #1,#2            Joint #3            Joint #4

Parameters of each axis

| Joint<br>Content           | #1                          | #2    | #3       | #4       |
|----------------------------|-----------------------------|-------|----------|----------|
| MAX<br>Operating Speed     | 6000mm/s                    |       | 1100mm/s | 2600° /s |
| MAX<br>Motion Range        | ±132°                       | ±141° | 150mm    | ± 360°   |
| Motor Power<br>Consumption | 400W                        | 100W  | 100W     | 100W     |
| Joint#3<br>down force      |                             |       | 100N     |          |
| Weight                     | 16kg (cables not included ) |       |          |          |

Joint #4 allowable moment of inertia, rate 0.005kg·m<sup>2</sup>, maximum 0.05kg·m<sup>2</sup>

Electrical parameters

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Origin Return                                | None Need Origin Return         |
| Installed wire for customer                  | 26 Pin (D-Sub Connector)        |
| Installed pneumatic tube<br>for customer use | φ4mm*1, φ6mm*2                  |
| Visual Interface                             | M12*2 Gigabit network interface |
| Installation Environment                     | Standerd/Clean (Customized)     |

Outer Dimensions and Motion Range

