KAWASAKI NS 410 ROBOT

NS Series SPECIFICATIONS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **NS410** | **NS411** | **NS420** | **NS510** | **NS511** |
| **Structure** | Horizontal articulated type |
| **Degrees of Freedom** | 3 axes | 4 axes | 4 axes | 3 axes | 4 axes |
| **Motion Range** | **Y axis(travel JT1)** | 2 FOUP: 660 mm / 3 FOUP: 1,070 mm 4 FOUP: 1,670 mm | - | - |
| **θ axis  (rotation JT2)** | 380° | 325° | 325° | 360° | 473° |
| **Z axis(up-down JT3)** | 380 mm | 380 mm | 380 mm | 440 mm | 440 mm |
| **X axis(up-down JT4)** | 710 mm | 798 mm | X1: 646.8 mmX2: 646.8 mm | 598 mm | 816.5 mm |
| **F axis(rotation JT5)** | - | 156° | - | - | 200° |
| **Repeatability** | ± 0.1 mm  (wafer center) |
| **Cleanliness**\*1 | ISO Class 2 | ISO Class 5 |
| **Controller** | [D60/D61](https://robotics.kawasaki.com/en/products/controllers/clean-controllers/)  (see Clean Controllers for specifications) |