KAWASAKI NS 410 ROBOT

NS Series SPECIFICATIONS

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| **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 mm X2: 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) | | | | |