**Robot of choice:**

[UFACTORY 850 Robotic Arm (6 DoF)](https://www.robotshop.com/products/ufactory-850-robotic-arm-6-dof?srsltid=AfmBOorizQZb91fL49T7mWHgCyuXeY46ynQjKfjf5H8r7qRLgQC09v1h82E)

**Joint Range/Limits:**

|  |  |
| --- | --- |
| Joint | Range |
| J1 |  |
| J2 |  |
| J3 |  |
| J4 |  |
| J5 |  |
| J6 |  |

**D-H Table:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Kinematics |  | d(mm) | (deg) | a(mm) |
| Joint1 | **0** | **364** | **90** | **0** |
| Joint2 | **90** | **0** | **180** | **390** |
| Joint3 | **90** | **0** | **-90** | **150** |
| Joint4 | **0** | **426** | **-90** | **0** |
| Joint5 | **0** | **0** | **90** | **0** |
| Joint6 | **0** | **90** | **0** | **0** |