

Description for simplified MAiRA models

Available sizes:

- S
- M
- L

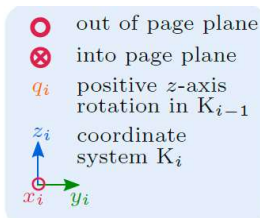
Pro Version:

- 6/7-Axis
- Camera Link6
- Camera Link7 optional
- Voice Control (Speaker & Microphone)
- LED rings on every axis

Assembly Instruction:

- Robot consists of 8 links. Numbering starts at "0" from bottom to top.
- Robot has 6/7 axis. Numbering starts at "1" from bottom to top.
- Connect cylindrical surfaces of the corresponding axis.
- Axis1, 3, 5 and 7 are concentric (spherical wrist) when all axes are at 0°.
- Distance between links is 1mm.

Legend



standard
DH
para-
meters

frame	θ [rad]	d [m]	a [m]	α [rad]
K_1	0	0.438	0	$-\pi/2$
K_2	0	0	0	$\pi/2$
K_3	0	0.7	0	$-\pi/2$
K_4	0	0	0	$\pi/2$
K_5	0	0.7	0	$-\pi/2$
K_6	0	0	0	$\pi/2$
K_7	0	0.115	0	0

Joint
Position
and
Velocity
Limits

all other MAiRAs		
joint	$q_{\max/\min}$ [°]	$v_{\max/\min}$ [°/s]
q_1	± 180	± 120
q_2	± 120	± 120
q_3	± 180	± 150
q_4	± 150	± 150
q_5	± 180	± 220
q_6	± 180	± 220
q_7	± 180	± 360

