InMotion wrist

The InMotion WRIST™ exoskeletal robot is capable of lifting even a severely impaired neurologic patient’s hand against gravity, overcoming most forms of hypertonicity. The InMotion WRIST™ exoskeletal robot accommodates the range of motion of a normal wrist in everyday tasks.

Key Features

- Pronation/Supination 70º/70º
- Abduction/Adduction 30º/45º
- Flexion/Extension 60º/60º
- Adjustable-height robot and workstation

Possible Applications

- Human-Robot Interaction
- Haptics
- Rehabilitation
- Wearable sensors

Access information

Corresponding infrastructure	School of Advanced Studies Sant'Anna The BioRobotics Institute
Location	Viale Rinaldo Piaggio, 34 56025 Pontedera PI, Italy
Unit of access	Working day

Technical specifications

Range of motion	Abduction / Adduction: > 70°; Flexion / Extension: > 35° / > 35°; Pronation / Supination: > 35° / > 35°
Max torque	AAFE: > 1.9 Nm; PS: > 2.5 Nm
Static friction	AAFE:
Weight	57 kg
DoA	3
Power supply	100?—?230 V AC, 50/60 Hz, automatic.
Angle sensitivity	AAFE:

Additional information

http://bionikusa.com/healthcarereform/upper-extremity-rehabilitiation/inmotion-wrist/