

Materials List for

A Flexible Wearable Supernumerary Robotic Limb for Chronic Stroke Patients

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Materials

Name	Company	Catalog Number	Comments
Air Compressor	Xinweicheng	F35L-JJ-24V	Provide air supply for the pneumatic gripper
Arduino	Emakefun	Mega 2560	Single-chip microcomputer/data acquisition card
Backpack	Mujin		Integrating external devices
Flex Sensor	Spectra Symbol	Flex Sensor 2.2	Flexible bending sensors
Power supply	Yisenneng	YSN-37019200	Provide power
PU quick-plug connector	Elecall	PU-6	Connector for PU tube
PU tube	Baishehui	ZDmJKJy	Air line connection
Silicone elastomer	Wacker	ELASTOSIL M4601 A/B	Material of the pneumatic gripper
Thermostatic chamber	Ruyi	101-00A	Constant temperature to accelerate the curing of silicone
Vacuum dryer	Fujiwara	PC-3	Further defoaming
Vacuum mixing and degassing machine	Smida	TMV-200T	Mix silicone thoroughly and get it defoamed
Valve	SMC	NTV1030-312CL	Control the air pressure