

Materials List for:

Isokinetic Robotic Device to Improve Test-Retest and Inter-Rater Reliability for Stretch Reflex Measurements in Stroke Patients with Spasticity

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Materials

Name	Company	Catalog Number	Comments
3D printer	Lokit	3Dison+	FDA type 3D printer
Ball sprine shaft	Misumi	LBF15	
Bridge Analog Input module	National Instruments	NI 9237	
CAN communication module	National Instruments	NI 9853	
Caster	Misumi	AC-50F	
Electromyography (EMG) device	Laxtha	WEMG-8	
EMG electrode	Bioprotech		1.8x1.2 mm Ag–AgCl
Encoder	Maxon	HEDL 9140	500 CPT
Gearbox	Maxon	GP 81	51:1 ratio
Lab jack	Misumi	99-1620-20	
Linear slider	Misumi	KSRLC16	
Motor	Maxon	EC-60	brushless EC motor
Motor driver	Elmo	DC Whistle	
PLA	Lokit		3D printer material
Real-time processor	National Instruments	sbRIO-9632	
Torque sensor	Transducer Techniques	TRS-1K	