

Elbow Features Comparison

	Utah Arm 3+	Utah Arm 3	Motion Arm Hybrid
Compatibility			
COAPT Complete Control	Yes	Yes	Yes
Compatible with virtually all hands on the market including ETD, TASKA, i-LIMB, BeBionic, etc. *Not compatible with Michelangelo or AxonHook	Yes	Yes	Yes
Compatible with almost all input devices	Yes	Yes	Yes
Standard quick disconnect wrist	Yes	Yes	Yes
Control			
Input choices: EMG (Single/Dual site), alternatives to EMG (4 choices)	Yes	Yes	Yes
Extension of the elbow with unique freeswing	Yes	Yes	No
Silent freeswing, consumes no battery power	Yes	No	NA
Electric wrist rotation (optional addon)	Yes	Yes	Yes
Flexion assist	NA	NA	Yes
Sequential control hand/wrist	Yes	Yes	Yes
Elbow lock positions	infinite	22	ML 20 / EL infinite
Harness-operated switch lock (optional)	Yes	Yes	ML
Dual lock system: silent friction lock	Yes	No	No
High strength, high-load pin lock rating	22kg / 50lb	22kg / 50lb	22kg / 50lb
MyoOne electrode compatible	Yes	Yes	EL
Electronics			
Advanced microprocessor control	Yes	Yes	Yes
Communication - Bluetooth and USB (optional)	Yes	Yes	EL - Bluetooth
Specifications			
Weight	2 lbs / 904 g	2 lbs /904 g	1.8 lbs / 816 g
Live lift	1kg / 2.2lbs	1kg / 2.2lbs	1kg/ 2.2lbs
1- 3- and 5-Wire harness compatible	Yes	Yes	NA
Operating temperature	0-44° C, 32-110° F	0-44° C, 32-110° F	0-44° C, 32-110° F
Transport storage temperature	0-44° C, 32-140° F	0-44° C, 32-140° F	0-44° C, 32-140° F
Excursion range	135°	135°	145°
Battery capacity	1150 maH rechargeable	1150 maH rechargeable	3000 maH rechargeable
Battery pack	3	3	NA
Battery charger	1	1	NA
Standard forearm length	24.75cm / 9-3/4	24.75cm / 9-3/4	25.4cm / 10 in
Minimum forearm Length	20.32cm / 8in	20.32cm / 8in	20.32cm / 8in
High-strength composite plastic	Yes	Yes	Yes
Available in 3 colors: Tan, Brown, Jet Black	Yes	Yes	Yes
Additional Features			
2-year limited warranty	Yes	Yes	Yes
Extended warranty available	Yes	Yes	Yes
Dustproof / Waterproof	No	No	Yes – IP67
Rapid service and repairs	Yes	Yes	Yes
Demos and loaners available	Yes	Yes	Yes
Optional Features			
Linear Potentiometer	Yes	Yes	Yes
EMG Triad preamps	Yes	Yes	Yes
Supplemental battery pack and charger	Yes	Yes	No
Notes	Microprocessor-controlled lightweight electric elbow. Can be paired with a number of myoelectric terminal devices. Comes with silent freeswing feature and friction lock.	Microprocessor-controlled lightweight electric elbow. Can be paired with a number of myoelectric terminal devices.	Allows for mechanical elbow control (body-power ML or electric EL versions). Can be paired with a number of myoelectric terminal devices.

OVERVIEW:

The Utah Arm 3 is the industry leader in lightweight, externally powered elbows. This third-generation elbow adds high-strength plastic and advanced microprocessor control to the sturdy tried and true design. The arm provides sensitive and precise electronic control of the elbow and optional Terminal Device.

The Motion Arm Hybrid is designed to be the most robust elbow available, and comes in two models, the Electric Lock and Manual Lock. The EL comes with 3 EMG trigger options and/or the use of an external switch while the ML combines a body powered lock/unlock system with an internal battery.

Wrist options for the Utah Arm and Motion Arm include MC Wrist Rotator, Flexion Wrist, and Multi-Flex Wrist. Compatible with almost all other manufacturers’ hands and terminal devices. The arms are available in tan, brown, or jet black.

