Upgrades to Boston Digital™ Arm

The Boston Digital Arm has been upgraded with a new urethane molded forearm and battery cover. These are available in 3 standard colors plus custom colors/patterns. Additionally, this system now includes a new high-capacity, light-weight lithium-polymer battery. This 2000 mAh battery has twice the capacity of the original Ni-Cad battery and yet is 30% lighter. The new battery also has an on-board fuel gauge and appropriate safety features to assure safe and reliable operation under normal conditions. This light-weight battery reduces the total weight of the Boston Digital Arm to less than 2 pounds, making it the lightest microcontroller-based powered adult elbow system on the market today.

Because of the demand for humeral-level prostheses using a dexterous hand (bebionic or iLimb) with a powered elbow, the new Boston Arm battery has been designed with an optional circuit board specifically for these multi-motor terminal devices. This regulates the battery to 7.4 volts and delivers up to 6 amps. As a result, the prosthesis will operate all day with a single battery. Additionally, the weight distribution is significantly better than using a supplementary battery in the forearm to power the hand.

The new Lithium-polymer battery can also be fit to existing Boston Digital Arm Systems, so when your patient’s battery reaches 2-4 years of age, consider this battery for a replacement. If your patient wants one of the new dexterous hands (bebionic or iLimb), consider offering the battery upgrade to optimize the hand performance.

**BE360** Lithium-polymer Battery Specifications:
- Voltage: 11 volts nominal
- Weight: 172 grams (0.4 lbs)
- Current (max): 13 amps

**BE361** Regulator circuit board (optional):
- for use with bebionic or iLimb hands
- Voltage: 7.4 volts nominal
- Current (max): 6 amps

**BE366** Charger for lithium-polymer battery (BE360)

For additional information on the Boston Digital Arm System, dexterous hands and the new Lithium-polymer battery, contact Liberating Technologies, Inc. at 800-437-0024.