Strategic Acquisition
Centro de Construcción de Cardioestimuladores del Uruguay (CCC)

August 12, 2014
“Our acquisition of CCC Medical Devices is ideal by all accounts. It allows Greatbatch to more broadly partner with medical device companies, complements our core discrete technology offerings and enhances our medical device innovation efforts. Combining the knowledge, talent and customer base of both companies will produce better products for the medical community and better lives for people worldwide.”
- Thomas J Hook, Greatbatch President and CEO

“We are very pleased to include CCC Medical Devices in our Greatbatch family of companies and see the business as an integral part of our strategy to achieve five percent organic growth and two times return to shareholders. The acquisition is neutral to our earnings guidance and was funded from our free cash flow.”
- Michael Dinkins, Greatbatch Executive Vice President and CFO
CCC is Engaged in the Development & Clinical Studies with Emerging Active Implantable Medical Device Companies

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<thead>
<tr>
<th>ESTABLISHED</th>
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<tbody>
<tr>
<td><strong>Deep Brain Stim:</strong> Parkinson’s Disease, Dystonia, Essential Tremor, Epilepsy, Obsessive Compulsive Disorder</td>
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<td><strong>Vagus Nerve Stim:</strong> Depression, Epilepsy</td>
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<td><strong>Spinal Cord Stim:</strong> Pain</td>
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<td><strong>Sacral Nerve Stim:</strong> Urinary Incontinence, Fecal Incontinence</td>
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<td><strong>Percutaneous Tibial Nerve Stim:</strong> Urinary Incontinence</td>
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<td><strong>Deep Brain Stim:</strong> Obesity, Stroke Recovery, Depression, Alzheimer’s</td>
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<td><strong>Carotid Artery, Cardiac Stim:</strong> Hypertension, Heart Failure</td>
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<td><strong>Hypoglossal &amp; Phrenic Nerve Stim:</strong> Sleep Apnea (Central and Obstructive)</td>
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<td><strong>Peripheral Nerve Stim:</strong> Migraines, Extremity Pain</td>
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<td><strong>Vagal Nerve Stim:</strong> Heart Failure, Rheumatoid Arthritis, Tinnitus</td>
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<td><strong>Spinal Cord Stim:</strong> Angina, Pain, Heart Failure</td>
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<td><strong>Gastric Stim:</strong> Obesity, GERD, Diabetes</td>
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Markets CCC is currently engaged in
Active implantable medical device (AIMD) systems capabilities including:
- Implantable pulse generators
- Programmer systems
- Battery chargers
- Patient wands
- Leads

Core competencies include:
- Fast prototyping
- Product design and development
- Low volume manufacturing
- Testing and verification
- Design documentation to support regulatory approvals
CCC Medical Devices - Products and Capabilities

**Implantable Pulse Generators**
- Powered by rechargeable or primary batteries
- Features:
  - Signal sensing, recording and processing
  - Event detection, Stimulation
  - Physical or tissue changes detection
  - Posture and activity responsiveness

**Software and communication architecture**
- Windows application software Telemetry module:
  - MICS Programmer Interface
  - Magnetic coupling:
    - USB Programmer Wand
    - USB Programmer Interface and Wand
    - Bluetooth Programmer Wand

**Portable Medical Devices**

**Leads**
- **Connectors:** IS-1 and variations
- **Lead body:**
  - Unipolar or Bipolar
  - Bipolar with unipolar branches
- **Insulations:**
  - Silicone
  - Polyurethane
- **Conductors:**
  - Strand cables
  - Coils (multi-filar or coaxial)
CCC Medical Devices Design & Development Expertise in…

- Electronics
- Firmware
- High-level software
- Mechanical design
- ASIC design & PnP equipment
- Communications
- Systems integration
CCC Medical Devices Customer Profile Consists of…

Extensive Neuromodulation expertise

Long-term customer agreements

Partners requiring new product research and development to:

- Deliver rapid prototype systems
- Assist with clinical validation
- Assist in regulatory approval (multiple customers with CE Mark)
- Support initial commercial launch
- Design improvements for next generation systems
Complementary Capabilities with Greatbatch

1. Idea / Concept
2. Research
3. Design Review
4. Specification
5. Design
6. Prototype / Product
7. Verification
8. Clinical Production
9. Commercial Production
10. Clinical Validation
11. Regulatory Approval

Customer ⊃ CCC & GB ⊃ Low Volume ⊃ High Volume ⊃ Technology transfer to production ⊃ Greatbatch
Strategic Fit

Technology

- Allows Greatbatch to partner broadly with existing customers and emerging companies developing new therapies
- Leverages QiG & Greatbatch core capabilities & technology
- Drives next generation device and leadwire development
- Expands rapid-prototyping capabilities for downstream integration
- Expands global footprint & provides access to emerging markets
- Partner broadly with emerging companies developing new therapies

Manufacturing

- Synergistic customer base with potential strategic partners
- Drive GB Medical Component technology sales by designing-in/converting products
- Secure long term manufacturing agreements

Financial

- Profitable growth business model to drive organic growth and expanding margins
Appendix
History of CCC Medical Devices

October 8, 1958
Arne Larsson receives the world's first implantable pacemaker (manufactured by Elema-Schönander) at the Karolinska Institute in Stockholm, Sweden.

February 3, 1960
Dr. Fiandra performs the first successful pacemaker chronic implant at CASMU, Montevideo. The pacemaker was manufactured by Elema-Schönander.

1976
Dr. Fiandra founds CCC to design and manufacture pacemakers.

1992
CCC creates the Engineering department.

1998
CCC starts offering medical devices design contract services.

2004
First rechargeable battery IPG implant in USA.

2013
Leader in providing AIMD systems.

2010
First contract with one of the “Big 3”.

1950's
1960's
1970's
1980's
1990's
2000's
2010's