In 1977, a team of engineers working in San Fernando, California, developed a set of three powered surgical instruments that could be used by orthopaedic surgeons to operate on bones and joints. The instruments—a drill, an oscillating saw and a reciprocating saw—were made with miniature vane motors, and powered by compressed air found in most hospital operating rooms.

The instruments were about the length of a typical pencil and the diameter of a penny, and were operated by a fingertip lever. They quickly won praise from surgeons who valued the precise control, unobstructed vision, high degree of torque and smooth running without vibration.

Shortly after the success of these first three instruments, two more instruments were introduced. A wire-driver, used to secure bone sections with stainless steel wire, and a bone chisel. These were similar in size and shape to the first instruments, they functioned in the same way, and once again the community of orthopaedic surgeons embraced the new tools and the reliability of the company behind these innovations.

With this early success, the company became a member of the Marmon Group in 1979, and was named MicroAire Surgical Instruments. Two years later, MicroAire introduced the industry’s first line of pre-sterilized, packaged, disposable burs, blades and drills for its instruments. Through the mid-1990s, the company continued to produce new and innovative products, and saw its sales expand into the global marketplace. MicroAire’s brand became synonymous with quality, innovation, unsurpassed performance and outstanding customer service.

In 1995, MicroAire relocated to its current home in Charlottesville, Virginia. From this new location, MicroAire launched a new line of small-power orthopaedic surgical instruments powered by a separate microprocessor console controlling the rpm, torque limits, hand piece recognition and irrigation system.

MicroAire continued its growth in 1998 by acquiring a ground-breaking, minimally invasive instrument for endoscopic treatment of carpal tunnel syndrome. The company also introduced the first pneumatic-powered instrument made especially for plastic surgery lipoplasty. This new instrument, the PAL LipoSculptor, is now the number-one, power-assisted lipoplasty device in the world.

In 2002, MicroAire became part of a family of medical companies under Colson Associates, Inc. MicroAire continued its growth and innovation with the introduction of the industry’s first Nickel Metal Hydride (NiMH) battery-operated instruments. MicroAire’s NiMH batteries are the longest lasting, most powerful and best-warranted battery on the market.

MicroAire’s cost-containment pricing and quality craftsmanship have kept MicroAire positioned as a top manufacturer in the medical device industry for over three decades. MicroAire cherishes its reputation as a company whose performance is matched by its commitment to integrity and to continuously improving surgeon and patient outcomes.
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthopaedic Powered Instruments</td>
<td>Series 1000 (Small-Bone) &lt;br&gt; SmartDriver (Modular Trauma) &lt;br&gt; Series 7000 (Large-Bone) &lt;br&gt; Sternum Saw</td>
<td>1, 7, 13, 18</td>
</tr>
<tr>
<td>Energy Supplies</td>
<td>Batteries, Chargers &lt;br&gt; Consoles and Cables</td>
<td>19</td>
</tr>
<tr>
<td>Sterilization Cases</td>
<td>MicroAire modular sterilization cases</td>
<td>22</td>
</tr>
<tr>
<td>Air Hoses</td>
<td>Pneumatic air hoses, regulators, and connection manifolds</td>
<td>25</td>
</tr>
</tbody>
</table>
The MicroAire® Series 1000 Small-Bone Instrument System offers reliable, smooth-running power with a wide selection of head modules for drilling, sawing and wire-driving.

SYSTEM COMPONENTS
- The industry’s first and only completely modular small-power orthopaedic system
- A pneumatic-motor handpiece or an electric-motor handpiece (with or without fingertip throttle)
- Interchangeable head modules
- A quick-connect system that enables head-module switching during a procedure without disconnecting hoses or cables
# Series 1000 • Small-Bone Instrument System

## 1000-100

**Pneumatic Motor Handpiece**

- Powered by compressed air
- Optional 9100-000 foot pedal
- Various air-hose connectors available, to match your existing air-power source
- Variable-speed throttle

**Pneumatic motor with throttle**
- 1000-100 with MicroAire® connector
- 1000-200 with Hall® connector
- 1000-600 with Synthes® connector

---

## 1000ET

**Electric Motor Handpiece**

- Powered by the 1025 Universal Electric Console
- Also available without fingertip throttle (1000E)
- Optional 6401-000 foot pedal
- Variable-speed throttle

---

### Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2651-000</td>
<td>Sterilization Case</td>
<td>23</td>
</tr>
<tr>
<td>9000-000</td>
<td>3-meter pneumatic hose with MicroAire® connector</td>
<td>26</td>
</tr>
<tr>
<td>9013-000</td>
<td>3-meter pneumatic hose with Hall® connector</td>
<td>26</td>
</tr>
<tr>
<td>9010-000</td>
<td>Throttle locking rings, 10 pack</td>
<td>27</td>
</tr>
<tr>
<td>9500-000</td>
<td>Single-outlet regulator</td>
<td>27</td>
</tr>
<tr>
<td>9502-000</td>
<td>Dual-outlet regulator</td>
<td>27</td>
</tr>
<tr>
<td>9100-000</td>
<td>Pneumatic foot control with 3-meter hose</td>
<td>27</td>
</tr>
</tbody>
</table>

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*Sterilization cases for Series 1000 and other instruments can be found on pages 23 - 27.*
### Drill Head Modules

#### 1930 Micro Drill
- Operating Speed: 30,000 RPM
- The work-horse of small bone surgery
- Sculpting, drilling, wire driving and reaming intramedullary canals for small bones
- Built-in medium-length bur guard
- Long and extra-long bur guards available

<table>
<thead>
<tr>
<th>Accessories</th>
<th>(See Value Options Catalog)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100-005</td>
<td>Long Bur Guard</td>
</tr>
<tr>
<td>1100-006</td>
<td>Extra-Long Bur Guard</td>
</tr>
<tr>
<td>1140-010</td>
<td>Irrigation Clip</td>
</tr>
</tbody>
</table>

Use with any of MicroAire's extensive selection of ZB-series burs (excluding ZB-6XX osteon burs)

#### 1980 Jacobs® Style Drill (5/32")
- Operating Speed: 1,670 RPM
- Jacobs-style twist drills without switching over to a wire driver

<table>
<thead>
<tr>
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<th>(See Value Options Catalog)</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
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</tr>
</tbody>
</table>

Use with any of MicroAire's extensive selection of ZB-series burs (excluding ZB-6XX osteon burs)

#### 2130 High-Speed Drill
- Operating Speed: 90,000 RPM
- High speed for bone sculpting
- Well-balanced, high-performance
- Oral and maxillofacial, orthopaedic, plastic and reconstructive surgery
- 2910-012 Medium Bur Guard included

<table>
<thead>
<tr>
<th>Accessories</th>
<th>(See Value Options Catalog)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2910-010</td>
<td>Irrigation Clip</td>
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<tr>
<td>2910-011</td>
<td>Long Bur Guard</td>
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<tr>
<td>2910-019</td>
<td>Extra-Long Bur Guard</td>
</tr>
<tr>
<td>2910-012</td>
<td>Medium Bur Guard (included)</td>
</tr>
</tbody>
</table>

Accessories include MicroAire 8051 and 8054-series twist drills

#### 1990 Synthes® Style Drill
- Operating Speed: 1,670 RPM

<table>
<thead>
<tr>
<th>Accessories</th>
<th>(See Value Options Catalog)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2910-010</td>
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<tr>
<td>2910-011</td>
<td>Long Bur Guard</td>
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<tr>
<td>2910-019</td>
<td>Extra-Long Bur Guard</td>
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<tr>
<td>2910-012</td>
<td>Medium Bur Guard (included)</td>
</tr>
</tbody>
</table>

Accessories include MicroAire 8053-series quick-coupling twist drills

#### 1932 20° Angled Drill
- Operating Speed: 30,000 RPM
- 20° angled drill head with twist-lock
- Precision bone sculpting, cutting and drilling
- Orthopaedic, oral and maxillofacial, podiatric, plastic and reconstructive surgeries
- Accepts long and extra-long burs for hard-to-reach areas

<table>
<thead>
<tr>
<th>Accessories</th>
<th>(See Value Options Catalog)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100-005</td>
<td>Long Bur Guard</td>
</tr>
<tr>
<td>1100-006</td>
<td>Extra-Long Bur Guard</td>
</tr>
<tr>
<td>1140-010</td>
<td>Irrigation Clip</td>
</tr>
</tbody>
</table>

Accessories include MicroAire 8051 and 8054-series twist drills

#### 1995 Wire Driver
- Operating Speed: 1,400 RPM
- Automatic grip mechanism securely holds the wire while being driven
- Automatically advances wire when the instrument collar is pulled back
- Grip mechanism can be locked into position for wire removal

<table>
<thead>
<tr>
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<th>(See Value Options Catalog)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100-005</td>
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</tr>
<tr>
<td>1100-006</td>
<td>Extra-Long Bur Guard</td>
</tr>
<tr>
<td>1140-010</td>
<td>Irrigation Clip</td>
</tr>
</tbody>
</table>

Accessories include Non-threaded K-Wires with guide between .028mm and .062mm in diameter
Saw Head Modules

1922
Micro Sagittal Saw
Operating Speed: 30,000 CPM
Sagittal saw module provides the ultimate in control, power, and maneuverability
Transverse or wedge osteotomies
Accepts a variety of ultra-thin (.3 mm) straight, angled, bent or offset blades

1950
Keyless Hall® Style Sagittal Saw
Operating Speed: 18,000 CPM
Powerful saw designed to operate longer and larger sagittal saw blades
Simple push-button release, eliminates the need for a hex wrench to lock blades
Blades positioned at any location along a 160° arc
Good visibility and optimal approach
Transverse or wedge osteotomies

1955
Hall® Style Sagittal Saw
Operating Speed: 18,000 CPM
Powerful saw designed to operate longer and larger sagittal saw blades
Blades positioned at any location along a 160° arc
Good visibility and optimal approach
Transverse or wedge osteotomies

1970
Micro Oscillating Saw
Operating Speed: 24,000 CPM
Precise curved and straight osteotomies
Very small head provides optimal visibility

1972
Oscillating Saw
Operating Speed: 24,000 CPM
Specifically designed for foot surgery
Wide selection of straight, bent and crescentic cutting blades
Blades are secured in place by using the 1745-001 Locking Tool (included)

1976
Keyless Oscillating Saw
Operating Speed: 18,000 CPM
Wide selection of straight, bent and crescentic cutting blades

1945
Reciprocating Saw
Operating Speed: 16,000 CPM
Powerful, quick-cutting reciprocating saw
Oral and maxillofacial surgery
Shaping, contouring and preparing intramedullary canals of small bones

Accessories
2250-001 Locking Key (included)
1745-001 Locking Tool (Included)
1625

**Pencil Grip Wire Driver**

- Cannulated to 1.6mm
- Accepts K-wires with special plastic guides
- Also accepts special Twist Drills (wire guide 1600-012NS required, not included)
- Various air-hose connectors available to match your existing air-power source

**Pencil Grip Wire Driver**

1625-100  with MicroAire® connector
1625-200  with Hall® connector
1625-600  with Synthes® connector

2500

**Impactor Power Osteotome**

The 2500 Impactor is a unique, multi-purpose precision instrument that combines the control of a manual instrument with the efficiency of a powered instrument. The linear impulse motor impacts the cutting blade at high frequency. The blade remains essentially stationary, preventing jumping or heating at the blade tip. The 2500 Impactor is powered by compressed nitrogen at 40 – 115 psi. The greater the pressure, the greater the frequency of impulses. The autoclavable instrument requires no lubrication and is available with optional foot control.

- Shave precise layers and smoothly sculpt edges
- Minimal pressure allows delicate bone sculpting
- Perform dorsal hump reductions
- Decorticate the donor bone from the iliac crest and other sites
- Bone graft harvesting
- Rhinoplasty
- Orthopaedic/foot and ankle

**Accessories**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9000-000</td>
<td>3-meter pneumatic hose with MicroAire® connector</td>
<td>26</td>
</tr>
<tr>
<td>9013-000</td>
<td>3-meter pneumatic hose with Hall® connector</td>
<td>26</td>
</tr>
<tr>
<td>9010-000</td>
<td>Throttle locking rings, 10 pack</td>
<td>27</td>
</tr>
<tr>
<td>9500-000</td>
<td>Single-outlet regulator</td>
<td>27</td>
</tr>
<tr>
<td>9502-000</td>
<td>Dual-outlet regulator</td>
<td>27</td>
</tr>
<tr>
<td>9100-000</td>
<td>Pneumatic foot control with 3-meter hose</td>
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**Osteotomes**

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<th>Description</th>
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<tr>
<td>2500-203</td>
<td>Osteotome 10mm x 50mm</td>
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<tr>
<td>2500-205</td>
<td>Osteotome 06mm x 80mm</td>
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<tr>
<td>2500-206</td>
<td>Osteotome 10mm x 80mm</td>
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<tr>
<td>2500-209</td>
<td>Osteotome 15mm x 70mm</td>
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<tr>
<td>2500-216</td>
<td>Osteotome 10mm x 80mm</td>
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<tr>
<td>2500-316</td>
<td>Osteotome 06mm x 80mm</td>
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**Gouges**

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<td>2500-230</td>
<td>Gouge, Curved, 10mm x 80mm</td>
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</table>

**Accessories**

<table>
<thead>
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<td>9000-000</td>
<td>MicroAire Standard Air Hose</td>
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<tr>
<td>9100-000</td>
<td>Foot Control (3 meter), Schrader connector</td>
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<tr>
<td>9010-000</td>
<td>Throttle Locking Rings</td>
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<tr>
<td>9500-000</td>
<td>Regulator, Single Outlet</td>
</tr>
<tr>
<td>9502-000</td>
<td>Regulator, Dual Outlet</td>
</tr>
<tr>
<td>9650-000</td>
<td>Sterilization Case</td>
</tr>
</tbody>
</table>
SmartDriver™

Modular Trauma Instrument System
SmartDrivers™ provide the versatility and choice of power sources including pneumatic, electric and the industry’s first Nickel Metal Hydride Battery. The SmartDriver™ provides over 125 in.oz. of torque and over 1600 RPM of speed to insert K-wires and Steinmann pins up to 3.2mm for fixation. The high-torque drilling and light reaming couplers produce an impressive 31 in. lbs. of torque at 500RPM. The attachments are available for drilling, pinning, reaming, sawing and pulse lavage.

The Battery, Electric, and Pneumatic SmartDrivers™ accept the same wide selection of couplers, making all SmartDrivers an excellent choice for:

- ACL surgery
- L.M. Nailing
- Trauma
- Lavage
- Osteotomies
- Internal Fixation
- External Fixation
- Ilizarov fixation
- Drilling
- Reaming

The MicroAire® SmartDriver™ is the first choice in power for orthopaedics, trauma and sports medicine.
Offering the ultimate in convenience and versatility, the SmartDriver™ Duo functions as either a cordless or an electric instrument. Choose between battery power (the industry’s first autoclavable or aseptic transfer NiMH battery) or the 7025 Direct Power Console.

- Cordless freedom
- Dual-trigger (forward/reverse/oscillate)
- Variable-speed triggers
- Single-hand operation
- Wide selection of quick-connect couplers

- Designed for percutaneous drilling and fixation
- Advanced NiMH battery technology
- Quick charging
- More power, longer running time
- Autoclavable

6642B
SmartDriver™ XT
Single-Trigger Cordless Handpiece

- Cordless freedom—no hoses or cables
- Forward/Reverse/Oscillate control on the instrument base
- Designed for percutaneous drilling and fixation
- Quiet and smooth operation
- Variable-speed trigger
- Advanced NiMH battery technology
- Quick charging
- More power, longer running time
- Autoclavable

6643
SmartDriver Duo™
Dual-Trigger Cordless Handpiece

Accessories

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6643-040</td>
<td>Sterilization Case and Washer Tray, fits two handpieces and couplers.</td>
<td>24</td>
</tr>
<tr>
<td>7500-700</td>
<td>Universal Battery Charger</td>
<td>20</td>
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<tr>
<td>6640-710</td>
<td>NiMH SmartDriver™ Battery Pack</td>
<td>20</td>
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<tr>
<td>7505-710</td>
<td>Large NiMH Battery Pack</td>
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<tr>
<td>7500-615</td>
<td>Aseptic Battery Housing</td>
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<tr>
<td>7500-620</td>
<td>Aseptic NiMH Battery Pack</td>
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<td>7500-625</td>
<td>Charging Adapter</td>
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<td>7500-630</td>
<td>Aseptic Transfer Shield</td>
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<td>7025</td>
<td>Direct Power Console</td>
<td>21</td>
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<tr>
<td>7007-000</td>
<td>Direct Power Console Cable</td>
<td>21</td>
</tr>
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Accessories

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6651-100B</td>
<td>SmartDriver™ Sterilization Case</td>
<td>24</td>
</tr>
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<td>7500-700</td>
<td>Universal Battery Charger</td>
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<tr>
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</tr>
<tr>
<td>7007-000</td>
<td>Direct Power Console Cable</td>
<td>21</td>
</tr>
</tbody>
</table>
A complete collection of SmartDriver™ couplers can be found on pages 10 - 11

1641 Electric SmartDriver™
- Powered by the 1025 Console with onboard maximum speed setting
- Complements Series 1000 Electric System
- Dedicated power
- Convenience of portability
- Quiet and smooth operation
- Variable-speed trigger
- Precise control
- Forward/reverse control on instrument base

6640 Pneumatic SmartDriver™
- Time-proven reliability of air power
- Adaptable to many existing air systems
- Complements Series 1000 Pneumatic System
- Variable-speed trigger
- Precise control
- Forward/reverse control on instrument base

Accessories
- 6651-100B SmartDriver™ Sterilization Case p. 24
- 1006-1000 Electric Handpiece Cable for 1025 Console p. 21
- 1025 Universal Electric Console p. 21
- 2651-000 Series 1000 Sterilization Case p. 23

Connectors
- 6640-100 Pneumatic SmartDriver™ Handpiece (with MicroAire® Hose Connector)
- 6640-200 Pneumatic SmartDriver™ Handpiece (with Hall® Hose Connector)
- 6640-600 Pneumatic SmartDriver™ Handpiece (with Synthes® Hose Connector)

Accessories
- 6651-100B SmartDriver™ Sterilization Case p. 24
- 9000-000 10' (3m) Air Hose p. 26
- 9000-020 20' (6m) Air Hose p. 26
- 2651-000 Series 1000 Sterilization Case p. 23
**Drilling and Reaming Couplers**

The SmartDriver™ line offers exceptional speed and torque for tunneling in ACL surgery, trauma drilling, and intramedullary reaming for I.M. nails.

- **6660** Hudson® High-Torque Reamer Coupler  
  Operating Speed: 500 RPM

- **6665** Hudson® High-Torque Reamer Coupler  
  Operating Speed: 500 RPM

- **6660** Trinkle Coupler  
  Operating Speed: 1600 RPM

- **6665-M1** Hudson® Coupler  
  Operating Speed: 1600 RPM

- **6680** Jacobs®-Style Coupler 5/32"  
  Operating Speed: 1600 RPM

- **6685** Jacobs®-Style High-Torque Reamer Coupler 1/4"  
  Operating Speed: 500 RPM

- **6686** Jacobs®-Style Coupler 1/4"  
  Operating Speed: 1600 RPM

- **6687** Zimmer® (Hudson® Modified Trinkle) Reamer Coupler  
  Operating Speed: 500 RPM

- **6688** Keyless Drill Coupler 1/4"  
  Operating Speed: 1600 RPM

- **6689** Synthes® Reamer Coupler  
  Operating Speed: 500 RPM

- **6690** Synthes® Quick Connect Coupler  
  Operating Speed: 1600 RPM
Wire and Pin Driving
Automatic wire and pin collets allow for simple placement of wires, pins and guide wires. Use the oscillate feature for accurate placement without spooling of soft tissue.

6643-045
Automatic Wire Driver Coupler
(Fits 6643 SmartDriver Duo™)

Operating Speed: 1600 RPM
0.7mm – 1.6mm
Fits 6643 SmartDriver Duo™ Handpiece Only

6643-050
Automatic Pin Driver Coupler
(Fits 6643 SmartDriver Duo™)

Operating Speed: 1600 RPM
1.7mm – 3.2mm
Fits 6643 SmartDriver Duo™ Handpiece Only

6645
Automatic Wire Driver
(Fits 6640, 6642 B and 1641 SmartDrivers™)

Operating Speed: 1600 RPM
0.7mm – 1.6mm

6650
Automatic Pin Driver
(Fits 6640, 6642 B and 1641 SmartDrivers™)

Operating Speed: 1600 RPM
1.7mm – 3.2mm

Sawing
Three styles of sagittal saws and a reciprocating saw for precision and heavy-duty cutting. Sagittal saws are available with quick-connect keyless connections or with locking keys.

6670
Sagittal Saw Coupler with Key
Operating Speed: 18,000 CPM
Accepts MicroAire® ZS-0XX and ZS-3XX Sagittal Blades

6672
Keyless Sagittal Saw Coupler
Operating Speed: 18,000 CPM
Accepts MicroAire® ZS-3XX Sagittal Blades

6673
Heavy-Duty Sagittal Saw Coupler
Operating Speed: 18,000 CPM
Accepts MicroAire® ZO-7XXX (not longer than 71mm), ZS-0XX and ZS-3XX Sagittal Blades

6400
Reciprocating Saw Coupler
Operating Speed: 16,000 CPM
Accepts MicroAire® 1400 Series and ZR Series Reciprocating Blades and Rasps

Pulse Lavage Coupler
Used for debriding bone surfaces and cleaning of trauma and other soft tissue wounds. MicroAire® offers a wide range of tubing sets for specific surgical applications, with extra nozzles and splash shields available.

6640-474
Pulse Lavage Coupler

microaire.com
Series 7000

Large-Bone Instrument System
MicroAire proudly offers the Series 7000, a complete line of battery, electric and pneumatic-powered instruments for large-power orthopaedic applications. The Series 7000 features three handpieces and a variety of modular reaming, sawing and drilling attachments.
Pneumatic

7105-200
Pneumatic Drill/Reamer
- Drill speed: 750 rpm
- Drill torque: 50 in. lbs (5.6 Nm)
- Reamer speed: 250 rpm
- Reamer torque: 150 in. lbs (16.9 Nm)

7205-200
Pneumatic Oscillating Saw
- Saw speed: 13,000 cpm
- arc 4.5°
- 12-position rotating head
- Secure latch-style blade locking system

7405-200
Pneumatic Reciprocating Saw
- Saw speed: 14,000 cpm
- 360° blade rotation
- Blade stroke 3.2 mm

Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9700-000</td>
<td>Sterilization Case for Series 7000 Pneumatic System</td>
<td>23</td>
</tr>
<tr>
<td>7013-000</td>
<td>Large Power “Quiet” Air Hose with Hall® Connector – 10’ Length</td>
<td>26</td>
</tr>
<tr>
<td>9013-000</td>
<td>Standard Air Hose with Hall® Connector – 10’ Length</td>
<td>26</td>
</tr>
</tbody>
</table>

Handpieces are also available with A.O. Synthes® air hose connections.

A complete collection of Series 7000 couplers can be found on pages 16 - 17.
Cordless

Offering the ultimate in convenience and versatility, Series 7000 handpieces function as both a cordless and electric instrument. The Series 7000 battery/electric Large Power System features the industry’s first autoclavable (or aseptic transfer) Nickel Metal Hydride (NiMH) Battery. This system includes a drill/reamer, oscillating saw and reciprocating saw, along with a wide selection of attachments. The battery can be removed and replaced with an adapter and cable to power the instrument with regular electricity.

7505 **Cordless Drill/Reamer**

- Operates at two speeds for multiple drilling and reaming applications
- 16 different coupler attachments
- Drilling, reaming, pinning, and wound debridement
- Drill speed: 750 rpm
- Drill torque: 50 in. lbs (5.6 Nm)
- Reamer speed: 250 rpm
- Reamer torque: 150 in. lbs (16.9 Nm)

7506 **Cordless Oscillating Saw**

- Dual speed control
- Secure latch-style blade locking system
- Cutting head may be rotated into 8 positions for cutting in any plane
- Unsurpassed power and speed for quick and complete osteotomies
- Saw speed: 15,000 cpm; Low speed: 12,000 cpm
- Arc 4°

7507 **Cordless Reciprocating Saw**

- Saw speed: 15,000 cpm
- New simple twist-lock blade hub
- Blade stroke 3.2mm
- 360° blade rotation

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**Accessories**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>7505-040</td>
<td>Sterilization Case and Washer Tray</td>
<td>23</td>
</tr>
<tr>
<td>7025</td>
<td>Direct Power Console (DPC)</td>
<td>21</td>
</tr>
<tr>
<td>7007-000</td>
<td>DPC Console Pack/Cable</td>
<td>21</td>
</tr>
<tr>
<td>7500-700</td>
<td>Universal Battery Charger</td>
<td>20</td>
</tr>
<tr>
<td>7505-710</td>
<td>Large NiMH Battery Pack</td>
<td>20</td>
</tr>
<tr>
<td>7500-615</td>
<td>Aseptic Battery Housing</td>
<td>20</td>
</tr>
<tr>
<td>7500-620</td>
<td>Aseptic NiMH Battery Pack</td>
<td>20</td>
</tr>
<tr>
<td>7500-625</td>
<td>Charging Adapter</td>
<td>20</td>
</tr>
<tr>
<td>7500-630</td>
<td>Aseptic Transfer Shield</td>
<td>20</td>
</tr>
</tbody>
</table>
Drilling

7100-003
Jacobs®-Style Coupler ¼" (with key)
Operating Speed: 750 RPM

7100-004
Keyless Coupler ¼"
Operating Speed: 750 RPM

7100-005
Keyless Coupler ⅛"
Operating Speed: 750 RPM

7100-006
Synthes® Quick Connect Coupler
Operating Speed: 750 RPM

7100-051
Zimmer® (Hudson® Modified Trinkle) Coupler
Operating Speed: 750 RPM

7100-058
Hudson® Coupler
Operating Speed: 750 RPM

Pulse Lavage

7100-002
Trinkle Coupler
Operating Speed: 750 RPM

7100-474
Pulse Lavage Coupler
Uses 5740 tubing sets (page xx)

Pin Driving

7505-045
Wire/Pin Driver
(Used only with 7505 Drill/Reamer)
Operating Speed: 750 RPM
Accepts Wires and Pins from 1.6 mm to 2.8 mm
Reaming

7100-001
Zimmer® Reamer Coupler (Hudson® Modified Trinkle)
Operating Speed: 250 RPM

7100-008
Hudson® Reamer Coupler
Operating Speed: 250 RPM

7100-010
Jacobs®-Style Coupler 1/4"
Operating Speed: 250 RPM

7100-011
Harris/Aesculap® Reamer Coupler
Operating Speed: 250 RPM

7100-111
Synthes® Reamer Coupler
Operating Speed: 250 RPM

7100-112
Synthes® Non-reversing Reamer Coupler
Operating Speed: 250 RPM

7505-050
Pin Driver
(Used only with 7505 Drill/Reamer)
Operating Speed: 750 RPM
Accepts wires and pins from 3.2mm to 4.0mm

7100-045
Wire/Pin Driver
(Used only with 7100 and 7500 Drill/Reamer)
Operating Speed: 750 RPM
Accepts wires and pins from 1.6mm to 2.8mm

7100-050
Pin Driver
(Used only with 7100 and 7500 Drill/Reamer)
Operating Speed: 750 RPM
Accepts wires and pins from 3.2mm to 4.0mm
**7800 Cordless Sternum Saw**

- 7800-002 Sternum Guard included
- 14.4-volt NiMH battery
- Three battery types
- Autoclavable or aseptic-transfer batteries
- Variable-speed trigger
- Optimal balance
- Simple twist-lock blade hub
- Standard or aggressive saw blade
- Adjustable for inferior or superior sternotomy approaches
- Simple conversion from battery power to regular electricity with the MicroAire Direct Power Console

### Accessories

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZR-032M</td>
<td>Sternum Saw Blade</td>
<td>p.18</td>
</tr>
<tr>
<td>7800-002</td>
<td>Sternum Guard</td>
<td>p.18</td>
</tr>
<tr>
<td>6640-710</td>
<td>NiMH Battery Pack</td>
<td>p.20</td>
</tr>
<tr>
<td>7505-710</td>
<td>Large NiMH Battery Pack</td>
<td>p.20</td>
</tr>
<tr>
<td>ZR-033M</td>
<td>Aggressive Saw Blade</td>
<td>p.18</td>
</tr>
<tr>
<td>7500-700</td>
<td>NiMH Battery Charger</td>
<td>p.20</td>
</tr>
<tr>
<td>7500-615</td>
<td>Aseptic Battery Housing</td>
<td>p.20</td>
</tr>
<tr>
<td>7500-620</td>
<td>Aseptic NiMH Battery Pack</td>
<td>p.20</td>
</tr>
<tr>
<td>7500-625</td>
<td>Charging Adapter</td>
<td>p.20</td>
</tr>
<tr>
<td>7500-630</td>
<td>Aseptic Transfer Shield</td>
<td>p.20</td>
</tr>
<tr>
<td>7025</td>
<td>Direct Power Console</td>
<td>p.21</td>
</tr>
<tr>
<td>7007-000</td>
<td>Direct Power Console Cable</td>
<td>p.21</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width</th>
<th>Usable Length</th>
<th>Cut Thickness</th>
<th>Material Thickness</th>
<th>TPI</th>
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</thead>
<tbody>
<tr>
<td>ZR-032M</td>
<td>5.6 mm</td>
<td>34 mm</td>
<td>1.0 mm</td>
<td>0.6 mm</td>
<td>18</td>
</tr>
<tr>
<td>ZR-033M</td>
<td>5.6 mm</td>
<td>34 mm</td>
<td>1.0 mm</td>
<td>0.6 mm</td>
<td>16</td>
</tr>
</tbody>
</table>
MicroAire® NiMH batteries are the strongest and longest-lasting batteries in the industry, and MicroAire® cordless instruments can be connected to a direct power supply with a simple adaptor. We’ll keep you running strong through the toughest cases.

MicroAire® offers state-of-the-art power supplies through a variety of systems that will match your needs in the operating room.
MicroAire Batteries

MicroAire Surgical Instruments is the market-leading pioneer of NiMH battery technology. With 14.4 volts of power, MicroAire batteries have plenty of power and capacity to last through even the toughest cases, including total joint arthroplasty. MicroAire NiMH batteries feature longer run times, more power, longer shelf lives, and the best warranties.

Benefits of NiMH
- Twice the run time
- Three times the battery life
- Batteries last an average of one year+
- No recharge-memory limits
- 30% more torque

Environmentally friendly
- No special disposal requirements
- No heavy metals
- Quick charging

Sterilization options
- Autoclave
- Sterrad®

7505-710
Large NiMH Battery
- Fits any of MicroAire’s battery-powered orthopaedic instruments
- 14.4 volts
- Full one-year warranty—the best in the industry

6640-710
SmartDriver NiMH Battery
- Designed specifically for SmartDriver instruments
- Also fits MicroAire’s 7800 Sternum Saw
- Smaller and lighter than the 7505-710 Large NiMH Battery
- 14.4 volts provide unparalleled strength and run time
- Full one-year warranty—the best in the industry

7500-700
Universal Battery Charger
- Charges 14.4-volt Nickel Metal Hydride (NiMH) rechargeable, autoclavable, or aseptic-transfer battery
- Charge up to four MicroAire NiMH batteries at one time
- SmartDriver and Large Power batteries can be charged at the same time
- NiMH batteries have longer run times and do not require memory-based charging
- Batteries charged in 90 minutes or less
- MicroAire NiMH batteries last three times longer and have 30% more power than the leading NiCad system

Universal Drop-In Aseptic Battery Kit
- Fits any of MicroAire’s battery-powered orthopaedic instruments
- Battery is not autoclaved
- Contained within a sterile housing (7500-615) that is autoclaved
- Smaller and lighter than the 7505-710 Large NiMH Battery
Power Consoles

7025
Direct Power Console (DPC)
- Simple dedicated, electric-power supply converts handpieces to regular electricity
- Fully autoclavable DPC cable
- Use as dedicated electric or as a battery backup

7007-000
Direct Power Console Cable
- Converts battery-powered instruments to dedicated electric power
- Autoclavable
- Cable connects to the 7025 Console

1020
Standard Electric Console
- Single handpiece connection
- Precise maximum-speed control
- For use with PAL 650 LipoSculptor™
- May also be used with 1000 Series Small Power instruments (excluding 1641 SmartDriver)

1025
Universal Electric Console
- Accepts two handpiece connections simultaneously
- Precise maximum-speed control
- For use with 1000 Series Small Power instruments and 1641 SmartDriver instrument
- Accepts 6401-000 Foot Pedal

6401-000
Electric Foot Pedal
- Compatible with 1025 and 6025 consoles (Not compatible with 1020 console)
- Two pedals provide variable-speed control for forward or reverse rotation

1006-1000
Cable for 1000 Series Electric Instruments

1006-6000
Cable for 6000 Series Electric Instruments

ELEC-220
Power Cord (EU)
Sterilization Cases

MicroAire sterilization cases are modular systems built to provide easy maintenance and storage for MicroAire’s Small Power, Large Power, and SmartDriver.

Each sterilization case is designed specifically for the instruments it holds, and each case is built using a medical-grade polymer or stainless steel; or a hybrid medical-grade polymer and aluminum. Cases are engineered to protect and prolong the life of your MicroAire surgical instruments.
2651-000
Series 1000
Small-Power Modular Instruments Sterilization Case with Tray

- Modular tray
- Base fits all MicroAire® small-power surgical instrument sets
- High-quality, medical-grade polymer
- Withstands most sterilization procedures including temperatures up to 380°F
- 25cm × 52cm × 10cm

9700-000
Series 7000
Pneumatic Large Power System Sterilization Case

- Medical-grade polymer and aluminum construction provides durability
- Base holds 3 handpieces and hose
- Insert tray is molded with compartments for 11 couplers and pin driver
- Additional space for other accessories
- 25cm × 50cm × 10cm

7505-040
Series 7000 Battery/Electric Large Power System Sterilization Case

- First case from MicroAire designed for use in automated washer disinfector systems
- Aluminum outer case and lid to minimize weight and maintain durability
- Nylon coated brackets protect the handpieces and couplers
- Inner tray is made from medical-grade stainless steel
- Inner tray may be used to hold instruments in the sterile field
- Inner tray is designed to hold three handpieces, fourteen drive couplers, and two instruments.
- 24.28cm × 38.50cm × 19.86cm
Sterilization Cases

6651-100B
SmartDriver Pneumatic and Electric Sterilization Case

- High-quality, medical-grade polymer
- Base holds the SmartDriver handpiece and air hose or electric cable
- Insert tray holds 10 couplers and wire/pin collets
- Slots for measuring the diameter of K-wires and Steinmann Pins.
- 25cm × 37.5cm × 10cm

6643-040
SmartDriver Duo Battery Sterilization Case

- Aluminum outer case with polymer lid
- Stainless steel inner tray designed for use in automated washer disinfector systems
- Nylon coated brackets protect the handpieces and couplers
- Inner tray may be used to hold instruments in the sterile field
- Try holds two handpieces, eight drive couplers, saws, and wire and pin driver
- 23cm × 36cm × 17cm

9650-000
Single Handpiece Case

- Holds one handpiece and one airhose
- Stainless steel
- 18cm x 25cm
MicroAire® pneumatic air hoses, regulators and connection manifolds provide a reliable and time-proven source of power in the operating room. Smooth, consistent power, with a variety of adaptors for connections to most standard systems.
Air Hoses

MicroAire 9000-series air hoses
- Standard double-air hoses
- Vent at the diffuser end
- Outer hose is black silicone

7000-Series “Whisper” hoses
- Standard double-air hoses
- Vent at the diffuser end
- Outer hose is gray, double-layer vulcanized rubber supported with nylon mesh
- Reduce instrument noise up to 40%

Air Hoses

MicroAire®

Standard Hose
- 9000-000 Standard Hose (10 ft)
- 9000-020 Standard Hose (20 ft)
- 7000-000 “Whisper” Hose (10 ft)
- 7000-020 “Whisper” Hose (20 ft)
- Schrader Connector at Diffuser
- Fits all MicroAire instruments with product numbers ending with -100

Linvatec (Hall®)

Style Hose
- 9013-000 Standard Hose (10 ft)
- 9013-020 Standard Hose (20 ft)
- 7013-000 “Whisper” Hose (10 ft)
- 7013-020 “Whisper” Hose (20 ft)
- Schrader Connector at Diffuser
- Fits all MicroAire instruments with product numbers ending with -200

Air Hose Extensions

9300-010 Extension hose (10-foot)
Replaces:
- Linvatec/Hall® 5052-18
- Schrader to Schrader

9300-015 Extension hose (15-foot)
Replaces:
- Linvatec/Hall® 5052-30
- Schrader to Schrader

9300-020 Extension hose (20-foot)
Replaces:
- Linvatec/Hall® 5052-31
- Schrader to Schrader

9300-030 Extension hose (10-foot)
Replaces:
- Linvatec/Hall® 5052-29
- Schrader to DISS (Ohio)
Multiple-Connection Manifolds

Connect multiple air hoses to a single pressure regulator. Includes 3-meter (~10-foot) extension hose that connects to Schrader coupler

Connector Options
9500-011 3 Schrader connectors

9500-002
Schrader Input Connector

Adapts Hall®, 3M®, and MicroAire® hoses to thread fitting, ¼" NPT

9050-000
Overpressure Control Valve

- Prevents air (nitrogen) pressure from exceeding 110 PSI
- Accepts Schrader connectors (Hall®, 3M®, or MicroAire® standard hose)
- Plugs into standard Hall® type regulator

Regulators

- Accepts MicroAire®, Hall®, and 3M® air hoses
- Main tank and pressure output gauges
- Accepts Schrader connectors (Hall®, 3M®, or MicroAire® standard hose)

9500-000  Single regulator
9502-000  Dual regulator

9100-000
Pneumatic Foot Control

- With 10-foot (3-meter) hose and Schrader connector

9010-000
Throttle-Locking Ring

- Foot control adaptor ring for finger throttle
- Enables small orthopaedic finger throttle handpieces to be used with foot control
- Package of 10