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.

Visit us online at www.microaire.com.
# Table of Contents

## Orthopaedic Powered Instruments
- Series 5000 (Solo™)
- SmartDriver™ (Modular Trauma)
- Series 7000 (Large-Bone)
- Sternum Saw
- Pulse Lavage

## Energy Supplies
- Batteries, Chargers
- Consoles and Cables

## Sterilization Cases
- MicroAire Modular Sterilization Cases

## Air Hoses
- Pneumatic Air Hoses, Regulators, and Connection Manifolds
Series 5000
Small-Bone Instrument System
The ergonomic Solo™ Driver is the smallest wire driver with the widest range of wire sizes, part of the new 5000 Series small-bone power system developed with surgeons, for surgeons by MicroAire.

FEATURES AND BENEFITS
- Single-hand operation
- Fingertip control (forward, reverse, oscillate)
- Optimal visibility for hand and foot procedures
- Fully cannulated
- Light Weight and compact
- Ergonomic - resulting in less hand fatigue for surgeons
- No-fail wire guidance system
- Superior control for small delicate applications
- Ambidextrous
Every virtuoso requires the right instrument.

5995U
Solo™ Driver
(Unitized) Wire Driver

The ergonomic Solo™ Driver is the smallest wire driver with the widest range of wire sizes, part of the 5000 Series small-bone power system developed with surgeons, for surgeons (for use with the new 5025 electric power console).

- Single-hand operation
- Fingertip control (forward, reverse, oscillate)
- Optimal visibility for hand and foot procedures
- Fully cannulated
- Wide range of wires (0.7mm to 2.0mm)
- Smaller than other wire-drivers
- Designed for ambidextrous use
- Ergonomic, comfortable and powerful

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<td>Electric Instrument Cable for 5025 Console</td>
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View K-Wires & Pins in the Power Disposables Catalog at www.microaire.com
Modular Trauma Instrument System

5641
Dual Trigger Electric SmartDriver DUO®e

- Powered by the 5025 Console with onboard maximum speed setting
- Compliments 5000 Series Electric System
- Dedicated power
- Convenience of portability
- Quiet and smooth operation
- Variable-speed trigger
- Precise control
- Dual trigger forward/reverse and oscillate controls

5641-045
Automatic Wire Driver Coupler

- Operating Speed: 1600 RPM
- 0.7mm – 1.6mm
- Fits 5641 SmartDriver DUO®e Handpiece Only

5641-050
Automatic Pin Driver Coupler

- Operating Speed: 1600 RPM
- 1.7mm – 3.2mm
- Fits 5641 SmartDriver DUO®e Handpiece Only

Note: For full range of compatible couplers see pages 10 and 11.

Small-Bone System

5000ET
Electric Motor Handpiece with Hand Throttle

- Powered by the 5025 Electric Instrument Control Console
- Optional 5401 foot pedal
- Variable-speed throttle
- Also available without fingertip throttle (5000E)

Note: For full range of compatible couplers see pages 10 and 11.
Series 5000 • Small-Bone Instrument System

5000-100
Pneumatic Motor Handpiece

- Powered by compressed air or Nitrogen
- Various air-hose connectors available, to match your existing air-power source
- Variable-speed throttle

Pneumatic motor with throttle
5000-100 with MicroAire® connector
5000-200 with Hall® connector

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<td>Dual-outlet regulator</td>
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Drill Modules

5930
Micro Drill Module

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

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<td>1100-006</td>
<td>Extra-Long Bur Guard</td>
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Accessories (See Power Disposables Catalog)
Use with any of MicroAire’s extensive selection of ZB-series burs

5980
Jacobs® Style Drill Module

Operating Speed: 1,670 RPM

Accessories
- MicroAire 8051 and 8054-series twist drills
- Diameter between 1.0mm and 4.0mm, up to 127mm in length
- 1645-004 Key (included)

5990
Synthes® Style Drill Module

Operating Speed: 1,670 RPM

Accessories
- MicroAire 8053-series quick-coupling twist drills
- Diameter between 0.1mm and 3.5mm, up to 127mm in length
Saw Modules

5922 Micro Sagittal Saw Module
- 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

5945 Reciprocating Saw Module
- Operating Speed: 16,000 CPM
- Powerful, quick-cutting reciprocating saw
- Oral and maxillofacial surgery
- Shaping, contouring and preparing intramedullary canals of small bones

5950 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

5972 Oscillating Saw Module
- Operating Speed: 30,000 CPM
- For use with MicroAire Series 5000 motor module
- Accepts MicroAire ZO series small oscillating blades

5955 Hall® Style Sagittal Saw Module
- 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
- Blades are secured in place with a 2250-001 Locking Tool (included)

Accessories
- 1745-001 Locking Key (included)

5932 20° Angled Drill
- Coming Soon!

5970 Micro Oscillating Saw
- Coming Soon!
Small-Bone Instruments

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

6640-002 Wire Guard Included

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 air or nitrogen at 35–100 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

Micro Impactor
2500-100 with MicroAire® Connector
2500-200 with Hall® Connector

Accessories

| 9000-000 | 10 ft (3m) pneumatic hose with MicroAire® connector | p. 30 |
| 9013-000 | 10 ft (3m) pneumatic hose with Hall® connector | p. 30 |
| 9010-000 | Throttle locking rings, 10 pack | p. 31 |
| 9500-000 | Single-outlet regulator | p. 31 |
| 9502-000 | Dual-outlet regulator | p. 31 |

Osteotomes

2500-203 Osteotome 10mm x 50mm
2500-205 Osteotome 06mm x 80mm
2500-206 Osteotome 10mm x 80mm
2500-209 Osteotome 15mm x 70mm
2500-216 Osteotome 10mm x 80mm
2500-316 Osteotome 06mm x 80mm

Gouges

2500-230 Gouge, Curved, 10mm x 80mm

Accessories

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| 9010-000 | Throttle Locking Rings | p. 31 |
| 9500-000 | Regulator, Single Outlet | p. 31 |
| 9502-000 | Regulator, Dual Outlet | p. 31 |
| 9650-000 | Sterilization Case | p. 28 |
SmartDrivers™ provide the versatility and choice of power sources including pneumatic, electric and the industry’s first Nickel Metal Hydride Battery. The SmartDriver™ provides up to 140 in. oz. of torque and 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 MicroAire® SmartDriver™ is the first choice in power for orthopaedics, trauma and sports medicine.

SmartDrivers™ accept the same wide selection of couplers, making all SmartDrivers an excellent choice for:

- ACL surgery
- I.M. Nailing
- Trauma
- Lavage
- Osteotomies
- Internal Fixation
- External Fixation
- Ilizarov fixation
- Drilling
- Reaming
6643

**SmartDriver Duo®**
Dual-Trigger Cordless Handpiece

Offering the ultimate in convenience and versatility, the SmartDriver Duo® functions as a cordless instrument. Choose between battery power: the industry’s first autoclavable or aseptic transfer NiMH battery.

- 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
- Handpiece and couplers validated for use in automated washer/sanitizer

### Accessories

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<td>Large NiMH Battery Pack</td>
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<td>7500-615</td>
<td>Aseptic Battery Housing</td>
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<td>7500-620</td>
<td>Aseptic NiMH Battery Pack</td>
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<tr>
<td>7500-630</td>
<td>Aseptic Transfer Shield</td>
<td>24</td>
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</tbody>
</table>

**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
**5641**

Dual Trigger Electric SmartDriver DUO®e

- Powered by the 5025 Console with onboard maximum speed setting
- Compliments 5000 Series Electric System
- Dedicated power
- Convenience of portability
- Quiet and smooth operation
- Variable-speed trigger
- Precise control
- Dual trigger forward/reverse and oscillate controls

---

**5641-045**

**Automatic Wire Driver Coupler**
(Fits 5641 SmartDriver DUO®e)

Operating Speed: 1600 RPM
0.7mm – 1.6mm

**5641-050**

**Automatic Pin Driver Coupler**
(Fits 5641 SmartDriver DUO®e)

Operating Speed: 1600 RPM
1.7mm – 3.2mm

---

**6640**

Pneumatic SmartDriver™

- Time-proven reliability of air power
- Adaptable to many existing air systems
- Complements Series 5000 Pneumatic System
- Variable-speed trigger
- Precise control
- Forward/reverse control on instrument base

---

**6640-100**

**Automatic Wire Driver Coupler**
(Fits 6640 and 1641 SmartDrivers™)

Operating Speed: 1600 RPM
0.7mm – 1.6mm

**6640-200**

**Automatic Pin Driver Coupler**
(Fits 6640 and 1641 SmartDrivers™)

Operating Speed: 1600 RPM
1.7mm – 3.2mm

---

**Connectors**

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<td>Pneumatic SmartDriver™ Handpiece (with MicroAire® Hose Connector)</td>
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<td>6640-200</td>
<td>Pneumatic SmartDriver™ Handpiece (with Hall® Hose Connector)</td>
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**Accessories**

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<td>5641SC</td>
<td>SmartDriver DUO®e Sterilization Case</td>
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<td>5025</td>
<td>Electric Instrument Control Console</td>
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<tr>
<td>5006-5000</td>
<td>Electric Instrument Cable for 5025 Console</td>
</tr>
<tr>
<td>5000SC</td>
<td>Sterilization Case holds: Series 5000 Small-Bone Instrument System / 5641 SmartDriver DUO®e w/ couplers</td>
</tr>
<tr>
<td>9000-000</td>
<td>10 ft (3m) pneumatic hose with MicroAire® connector</td>
</tr>
<tr>
<td>9013-000</td>
<td>10 ft (3m) pneumatic hose with Hall® connector</td>
</tr>
<tr>
<td>5000SC</td>
<td>Series 5000 Sterilization Case</td>
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</tbody>
</table>
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.

- **6665-M1 Hudson® Coupler**
  - Operating Speed: 1600 RPM
- **6680 Jacobs®-Style Coupler 5/32”**
  - Operating Speed: 1600 RPM
  - 1645-004 Key (included)
- **6690 Synthes® Quick Connect Coupler**
  - Operating Speed: 1600 RPM
- **6660 Trinkle Coupler**
  - Operating Speed: 1600 RPM
- **6686 Jacobs®-Style Coupler ¼”**
  - Operating Speed: 1600 RPM
  - 4100-030 Key (included)
- **6688 Keyless Drill Coupler ¼”**
  - Operating Speed: 1600 RPM
- **6685 Jacobs®-Style High-Torque Reamer Coupler ¼”**
  - Operating Speed: 500 RPM
  - 4100-030 Key (included)
- **6665 Hudson® High-Torque Reamer Coupler**
  - Operating Speed: 500 RPM
- **6687 Zimmer® (Hudson® Modified Trinkle) Reamer Coupler**
  - Operating Speed: 500 RPM
- **6689 Synthes® Reamer Coupler**
  - Operating Speed: 500 RPM
Wire and Pin Driving

Automatic wire and pin couplers allow for simple placement of wires, pins and guide wires. Use the oscillate feature for accurate placement without spooling of soft tissue.

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<tr>
<th>Model</th>
<th>Description</th>
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<th>Diameter</th>
<th>Fits</th>
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<td>5641 SmartDriver DUO®e</td>
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<td>6643-045</td>
<td>Automatic Wire Driver Coupler (Fits 6643 SmartDriver Duo®)</td>
<td>1600 RPM</td>
<td>0.7mm – 1.6mm</td>
<td>6643 SmartDriver Duo®</td>
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<tr>
<td>6645</td>
<td>Automatic Wire Driver Coupler (Fits 6640 and 1641 SmartDrivers™)</td>
<td>1600 RPM</td>
<td>0.7mm – 1.6mm</td>
<td>6640 and 1641 SmartDrivers™</td>
<td>Handpiece Only</td>
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<tr>
<td>5641-050</td>
<td>Automatic Pin Driver Coupler (Fits 5641 SmartDriver DUO®e)</td>
<td>1600 RPM</td>
<td>0.7mm – 3.2mm</td>
<td>5641 SmartDriver DUO®e</td>
<td>Handpiece Only</td>
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<tr>
<td>6643-050</td>
<td>Automatic Pin Driver Coupler (Fits 6643 SmartDriver Duo®)</td>
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<td>6650</td>
<td>Automatic Pin Driver Coupler (Fits 6640 and 1641 SmartDrivers™)</td>
<td>1600 RPM</td>
<td>1.7mm – 3.2mm</td>
<td>6640 and 1641 SmartDrivers™</td>
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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
- 2250-001 Hex Wrench (included)

**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
- 2250-001 Hex Wrench (included)

**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

*Note: See page 21 for complete list of tubing sets and accessories.*
MicroAire proudly offers the Series 7000, a complete line of battery 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

---

**7100-045 Wire/Pin Driver Coupler**
(Used only with 7105)
- Operating Speed: 750 RPM
- Accepts wires and pins from 1.6mm to 2.8mm

**7100-050 Pin Driver Coupler**
(Used only with 7105)
- Operating Speed: 750 RPM
- Accepts wires and pins from 3.2mm to 4.0mm

---

**Accessories**

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*Accessories can be found on pages 16 - 17.*
Cordless

Offering the ultimate in convenience and versatility, Series 7000 handpieces function as a cordless instrument. The Series 7000 battery 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.

- Series 7000 cordless handpiece and couplers validated for use in automated washer/sanitizer

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

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

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

Accessories

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<td>7500-620 Aseptic NiMH Battery Pack</td>
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<td>7500-630 Aseptic Transfer Shield</td>
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</tbody>
</table>
Series 7000 • Large-Bone Instrument System

Drilling

7100-003 Jacobs®-Style Coupler ¼" (with key)
Operating Speed: 750 RPM
4100-030 Key (included)

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

7100-047 Pulse Lavage Coupler
Uses 5740 tubing sets
Note: See page 21 for complete list of tubing sets and accessories.

Wire/Pin Driving

7505-045 Wire/Pin Driver Coupler
(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 ¼”
Operating Speed: 250 RPM
4100-030 Key (included)

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

7100-050
Pin Driver Coupler
(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 Coupler
(Used only with 7105)
Operating Speed: 750 RPM
Accepts wires and pins from 1.6mm to 2.8mm

7100-050
Pin Driver Coupler
(Used only with 7105)
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
- 12,000 CPM SV cycles per minute
- Handpiece and guard validated for use in automated washer/sanitizer

### 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>ZR-033M</td>
<td>Aggressive Saw Blade</td>
<td>p.18</td>
</tr>
<tr>
<td>6640-710</td>
<td>NiMH Battery Pack</td>
<td>p.24</td>
</tr>
<tr>
<td>7505-710</td>
<td>Large NiMH Battery Pack</td>
<td>p.24</td>
</tr>
<tr>
<td>7500-700</td>
<td>NiMH Battery Charger</td>
<td>p.24</td>
</tr>
<tr>
<td>7500-615</td>
<td>Aseptic Battery Housing</td>
<td>p.24</td>
</tr>
<tr>
<td>7500-620</td>
<td>Aseptic NiMH Battery Pack</td>
<td>p.24</td>
</tr>
<tr>
<td>7500-625</td>
<td>Charging Adapter</td>
<td>p.24</td>
</tr>
<tr>
<td>7500-630</td>
<td>Aseptic Transfer Shield</td>
<td>p.24</td>
</tr>
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</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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<tbody>
<tr>
<td>ZR-032M</td>
<td>9.4 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>9.4 mm</td>
<td>34 mm</td>
<td>1.0 mm</td>
<td>0.6 mm</td>
<td>16</td>
</tr>
</tbody>
</table>
A high-pressure lavage system with an ergonomic shape to reduce muscle fatigue in total joint procedures.
Fully-Disposable Pulse Lavage

- For use in total joint procedures
- Concurrent suction with soft cone splash shield for optimal fluid containment without damaging soft tissue
- Ergonomic shape to reduce muscle fatigue
- Specific design to enhance suction capabilities
- Complete disposable system

Ergonomic high-pressure lavage system

Secure locking mechanism

Rocking trigger provides full control of variable high or low speed

201-02-00
Disposable Pulse Lavage Component Kit
- Includes Fully-Disposable Pulse Lavage, handpiece and battery

201-03-00
Disposable Pulse Lavage Knee Kit
- Includes Fully-Disposable Pulse Lavage, hand piece, battery, shower spray tip with splash shield

201-04-00
Disposable Pulse Lavage Hip Kit
- Includes Fully-Disposable Pulse Lavage, hand piece, battery, shower spray tip with splash shield and femoral spray tip

201-05-00
Disposable Pulse Lavage Fan Spray Kit
- Includes Fully-Disposable Pulse Lavage, handpiece, battery and fan spray tip with splash shield

Fully Disposable Pulse Lavage Compatible Tips

201-00-52
Femoral Brush Tip

201-00-46
Femoral Spray Tip

201-00-37
Shower Spray Tip w/ Splash Shield

201-00-44
Fan Tip w/ Splash Shield

201-00-80
Splash Shield
- 6 inch (15.2cm)

201-00-50
Shower Spray Tip

201-00-51
Fan Spray Tip
Semi-Disposable Pulse Lavage

- Ergonomic design
- Integrated suction
- Accepts integrated-suction or non-suction tubing sets
- Total knee and hip arthroplasty
- Trauma/wound debridement
- Flexible splash shields on suction tubing sets
- Rigid splash shields available for non-suction tubing sets

Tubing Sets, including integrated suction

- 40% increased flow
- Also compatible with 4740 handpiece and Pulse Lavage couplers

5740-020
Standard Tubing

5740-020S
Standard Tubing with Suction

5740-061
Hip Tubing Set

Includes:
• 5740-020  Standard Tubing
• 5740-005  Showerhead Nozzle
• 5740-006  Femoral Spray Nozzle

5740-061S
Hip Tubing Set with Suction

Includes:
• 5740-020S  Standard Tubing with Suction
• 5740-005S  Showerhead Nozzle with Suction
• 5740-006S  Femoral Spray Nozzle with Suction

5740-060
General Tubing Package

Includes:
• 5740-020  Standard Tubing
• 5740-005  Showerhead Nozzle

5740-062
Knee Tubing Set

Includes:
• 5740-020  Standard Tubing
• 5740-008  Angled Showerhead Nozzle

5740-062S
Knee Tubing Set with Suction

Includes:
• 5740-020S  Standard Tubing with Suction
• 5740-005S  Showerhead Nozzle with Suction

Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Page</th>
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</thead>
<tbody>
<tr>
<td>6640-474</td>
<td>Pulse Lavage Coupler for MicroAire® SmartDriver Handpieces</td>
<td>11</td>
</tr>
<tr>
<td>7100-474</td>
<td>Pulse Lavage Coupler for MicroAire® Series 7000 Drill/Reamers</td>
<td>16</td>
</tr>
<tr>
<td>4740-013</td>
<td>Small Splash Shield (4 cm)</td>
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<tr>
<td>4700-015</td>
<td>Large Splash Shield (15 cm)</td>
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<tr>
<td>4700-016</td>
<td>Medium Splash Shield (10 cm)</td>
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<tr>
<td>5740-100</td>
<td>MicroAire® Hose Connector Fits 9000-000 MicroAire® Standard Air Hose</td>
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<tr>
<td>5740-200</td>
<td>Hall® Style Hose Connector Fits 9013-000 Hall® Style Air Hose</td>
<td></td>
</tr>
<tr>
<td>5740-600</td>
<td>Synthes® Style Hose Connector Fits 9017-000 Stryker® Style Air Hose</td>
<td></td>
</tr>
</tbody>
</table>
Semi-Disposable Pulse Lavage Nozzles

- **5740-008**
  Angled Showerhead Nozzle

- **5740-004**
  Single Orifice Nozzle

- **5740-004S**
  Single Orifice Nozzle with Suction

- **5740-005**
  Showerhead Nozzle

- **5740-005S**
  Showerhead Nozzle with Suction

- **5740-006**
  Femoral Spray Nozzle

- **5740-006S**
  Femoral Spray Nozzle with Suction

- **5740-009**
  Extended Femoral Spray Nozzle

- **5740-009S**
  Extended Femoral Spray Nozzle with Suction

- **5740-010S**
  Femoral Brush with Suction
MicroAire® NiMH batteries are the strongest and longest-lasting batteries in the industry. 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) autoclavable or aseptic-transfer battery
- Charge up to four MicroAire NiMH batteries at one time
- SmartDriver™ and Large-Bone 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
- Full one-year warranty—the best in the industry
Power Console

5025
Electric Instrument Control Console

- Runs two handpieces simultaneously
- Intuitive graphical user interface
- Precise “smart loop” instrument control
- Integrated irrigation pump
- For use with 5000 series small-bone instruments, 1000 series small power instruments, SmartDriver DUO®e and Solo™ and 1641 Single Trigger electric SmartDriver™

5601-IT
Irrigation Tubing

5401
Electric Foot Pedal

- Compatible with 5025 console only
- Two pedals provide variable-speed control for forward or reverse rotation
- Irrigation control
- Needs 5025-5401

5025-5401
Foot Pedal Cable

5006-5000
Cable for 5000 Series Electric Instruments

Connects to 5025 Power Console

5006-1000
Cable for 1000 Series Electric Instruments

Connects to 5025 Power Console

1006-1000
Cable for 1000 Series Electric Instruments

Connects to 1025 Power Console

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.
5000SC
Series 5000
Small-Bone 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-Bone 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 Large-Bone 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 wire/pin couplers
- 24.28cm × 38.50cm × 19.86cm
Sterilization Cases

5641SC
SmartDriver DUO®e
Sterilization Case with Tray

- High-quality, medical-grade polymer
- Base holds the SmartDriver handpiece and air hose or electric cable
- Insert tray holds 10 couplers and wire/pin couplers
- Slots for measuring the diameter of K-wires and Steinmann Pins.
- Withstands most sterilization procedures including temperatures up to 380°F
- 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
- Tray 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 air hose
- Stainless steel
- 18cm x 25cm

Accessories

9600-061
Drill/Reamer Cleaning Brush

<table>
<thead>
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<th>Accessories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9916-000</td>
<td>Micro Lube</td>
</tr>
<tr>
<td>CAP-100</td>
<td>fits MicroAire® Connectors</td>
</tr>
<tr>
<td>CAP-200</td>
<td>fits Hall® Connectors</td>
</tr>
<tr>
<td>CAP-600</td>
<td>fits Synthes® Connector</td>
</tr>
<tr>
<td>9600-063</td>
<td>Wire Driver Brush</td>
</tr>
<tr>
<td>9600-064</td>
<td>Drill Collet Brush</td>
</tr>
<tr>
<td>9600-161</td>
<td>19” Flexible Reamer Cannulations</td>
</tr>
</tbody>
</table>
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 Hose Extensions**

**9300-010 Extension Hose, 10 ft (3m)**
Replaces:
- Linvatec/Hall® 5052-18
- Schrader to Schrader

**9300-015 Extension Hose, 15 ft (4.5m)**
Replaces:
- Linvatec/Hall® 5052-30
- Schrader to Schrader

**9300-020 Extension Hose, 20 ft (6m)**
Replaces:
- Linvatec/Hall® 5052-31
- Schrader to Schrader

**9300-030 Extension Hose, 30 ft (9m)**
Replaces:
- Linvatec/Hall® 5052-29
- Schrader to DISS (Ohio)

**MicroAire® Standard Hose**
- 9000-000 Standard Hose, 10 ft (3m)
- 9000-020 Standard Hose, 20 ft (6m)
- 7000-000 “Whisper” Hose, 10 ft (3m)
- 7000-020 “Whisper” Hose, 20 ft (6m)
- Schrader Connector at Diffuser
- Fits all MicroAire instruments with product numbers ending with -100

**Linvatec (Hall®) Style Hose**
- 9013-000 Standard Hose, 10 ft (3m)
- 9013-020 Standard Hose, 20 ft (6m)
- 7013-000 “Whisper” Hose, 10 ft (3m)
- 7013-020 “Whisper” Hose, 20 ft (6m)
- Schrader Connector at Diffuser
- Fits all MicroAire instruments with product numbers ending with -200
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**
- 9500-001 Stryker®/Schrader Adapter
- 9500-003 Stryker® Adapter
- 9500-004 Ohio/ Schrader Adapter

**9500-002 Schrader Input Connector**

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

- 100 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

**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
Also see MicroAire’s Power Disposables Catalog available for download from www.microaire.com.

All dimensions shown are nominal values subject to standard variances and tolerances.

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Stryker
Depuy Synthes
Zimmer Biomet

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Synthes® is a registered trademark of Depuy Synthes.

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