

MicroAire[®] power equipment catalog



Exclusive veterinary
distributor of MicroAire[®]
surgical instruments

Securos Surgical[®]
AmerisourceBergen

02 Securos Surgical® MicroAire® power equipment

Who is Securos Surgical?

Securos is an innovator of practical solutions for veterinary surgeons. We specialize in orthopedics, but further equip the surgical suite by offering quality daily-use items including surgical instruments and suture.

What makes us different? Why should you do business with us?

You can trust us for innovation, quality, and value. And, as important as the products we bring to market, we deliver these products with the industry's most personalized service.

- Customer-focused in every aspect of what we do and every decision we make
- Problem-solving and inviting of collaboration with our customers to solve those problems
- Experts in our domain, but humble enough to constantly seek feedback
- Clear in our commitment to practical innovation, quality, value, and service
- Rooted in the day-to-day reality of veterinary surgeons and general practitioners



Orthopedics

Developed from the insights of practicing veterinary surgeons

Instruments

Performance you can feel the moment each instrument reaches your hand

Sutures

Premium quality at price points that drive your success

Ordering process and support

- USA** To place an order of MicroAire® power equipment, please call MWI Animal Health at 877.266.3349, and choose option #2 for a Securos Technical Support representative. All products will be shipped directly to your clinic from MicroAire. You will receive an invoice from MWI Animal Health for your order. Please request expedited shipping if necessary. Shipping and handling fees will apply for all orders.
- UK** Securos Surgical UK Office (England)
Sales, loaners and repairs contact:
+07891 539 282 or email:
sales@securos.co.uk
Clare Potts
Securos Surgical UK
Business Manager
- Europe** Securos Surgical Europe Office (Germany)
Sales, loaners and repairs contact:
+49 7467 947650 or send us an email:
info@securos-europe.eu
Michel Wipperling, MBA
Securos Surgical
International Sales Director

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Orthopedic powered instruments

- 04** SmartDriver (modular trauma)
10 Series 5000 (small-bone)

Energy supplies

- 14** Batteries, chargers, consoles, cables, and accessories

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- 18** Sterilization cases for SmartDriver and Series 5000

Air hoses

- 20** Pneumatic air hoses, regulators, and adapters

SmartDriver™

Modular trauma instrument system

The SmartDriver™ is the ultimate system in convenience and versatility. The battery, electric, and pneumatic SmartDrivers accept the same wide selection of couplers, allowing you to choose the optimal power source for your hospital.

This system 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 500 RPM. Attachments are available for drilling, pinning, reaming, and sawing, making the SmartDriver system an excellent choice for:

Trauma

External fixation

- Linear
- Circular ring

Internal fixation

- Pinning
- Conventional plating
- Locked plating

Joint management

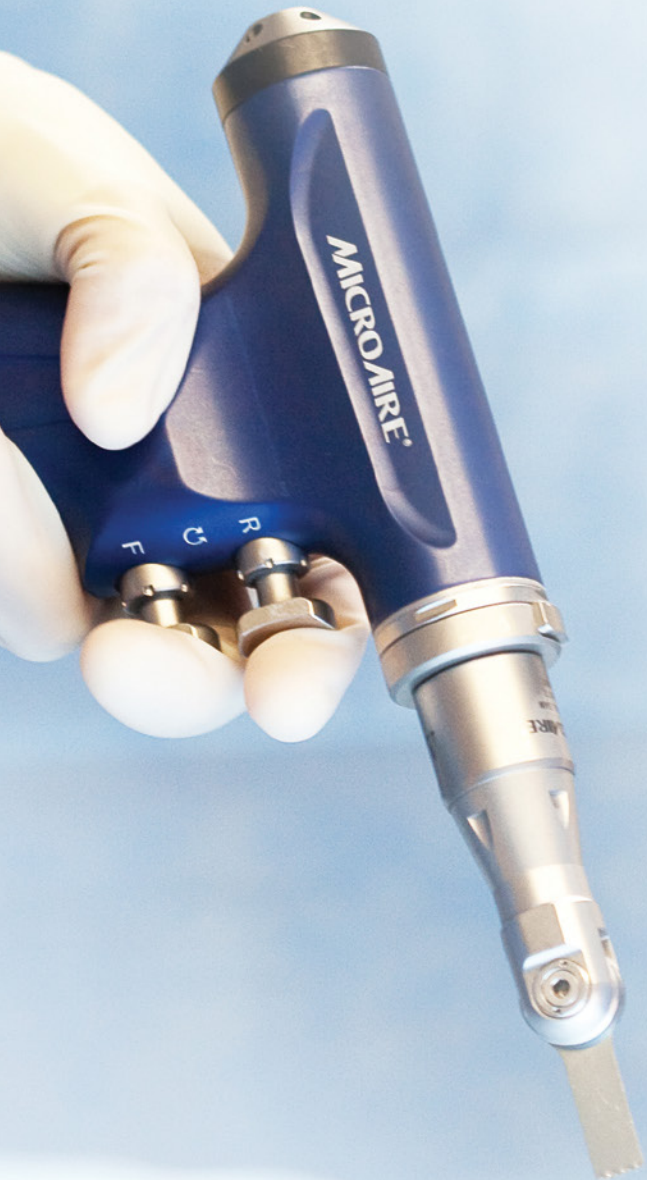
Stifle

- Extracapsular stabilization
- Patella luxation stabilization
- Tibial tuberosity advancement
- Cranial closing wedge osteotomy
- Tibial plateau-leveling osteotomy*

Hip

- Coxofemoral luxation management
- Femoral head osteotomy
- Reaming

* TPLO saw sold separately



Modular trauma instrument system

6643

SmartDriver™ Duo

- Cordless freedom
- Variable-speed, dual-trigger forward/reverse/oscillate
- Wide selection of quick-connect couplers
- Advanced NiMH battery technology
- Autoclavable or aseptic battery system available
- Up to 0.98 N-m (140 oz.in.) torque at 1600 RPM
- Up to 3.5 N-m (496 oz.in.) torque at 500 RPM
- Includes 6640-002 wire guard



Accessories

Item#	Description
7500-700	Universal battery charger
6640-710	NiMH SmartDriver™ battery pack
7505-710	Large NiMH battery pack
7500-615	Aseptic battery housing
7500-620	Aseptic NiMH battery pack
7500-625	Charging adapter
7500-630	Aseptic transfer shield

6643-045

Wire driver coupler

- Operating speed: 1600 RPM
- Accommodates 0.7mm – 1.6mm wires
- Fits 6643 SmartDriver™ Duo handpiece only



6643-050

Pin driver coupler

- Operating speed: 1600 RPM
- Accommodates 1.7mm – 3.2mm pins
- Fits 6643 SmartDriver™ Duo handpiece only





5641

Dual trigger electric SmartDriver™ DUOe

- Powered by the 5025 console with onboard maximum speed setting
- Quiet and smooth operation
- Variable-speed, dual-trigger forward/reverse/oscillate
- Wide selection of quick-connect couplers
- Up to 0.98 N-m (140 oz.in.) torque at 1600 RPM
- Up to 3.5 N-m (496 oz.in.) torque at 500 RPM
- Includes 6640-002 wire guard

Accessories

Item#	Description
5641SC	SmartDriver™ DUOe and pneumatic sterilization case
5025	Electric instrument control console
5006-5000	Electric instrument cable for 5025 console
5000SC	Sterilization case holds: Series 5000, Small-bone instrument system/5641 SmartDriver™ DUOe w/couplers

5641-045

Wire driver coupler

- Operating speed: 1600 RPM
- Accommodates 0.7mm – 1.6mm wires
- Fits 5641 SmartDriver™ DUOe handpiece only



5641-050

Pin driver coupler

- Operating speed: 1600 RPM
- Accommodates 1.7mm – 3.2mm pins
- Fits 5641 SmartDriver™ DUOe handpiece only



6640

Pneumatic SmartDriver™

- Time-proven reliability of air power
- Adaptable to many existing air systems
- Variable-speed, dual-trigger forward/reverse/oscillate
- Wide selection of quick-connect couplers
- Up to 0.98 N-m (140 oz.in.) torque at 1600 RPM
- Up to 3.5 N-m (496 oz.in.) torque at 500 RPM
- Requires 80-100psi for 10" (3m) air hose
- Includes 6640-002 wire guard



Pneumatic SmartDriver handPiece

Item#	Description
6640-100	with MicroAire® connector
6640-200	with Hall® connector

Accessories

Item#	Description
5641SC	SmartDriver™ DUOe and pneumatic sterilization case
9000-000	10' (3m) pneumatic air hose with MicroAire® connector
9013-000	10' (3m) pneumatic air hose with Hall® connector

6645

Wire driver coupler

- Operating speed: 1600 RPM
- Accommodates 0.7mm – 1.6mm wires
- Fits 6640 Pneumatic SmartDriver™ handpiece only



6650

Pin drive coupler

- Operating speed: 1600 RPM
- Accommodates 1.7mm – 3.2mm pins
- Fits 6640 Pneumatic SmartDriver™ handpiece only





Drilling and reaming couplers

The SmartDriver™ system offers exceptional speed and torque for drilling and reaming.



6680 Jacobs®-style coupler 5/32"

- Operating speed: 1600 RPM
- 1645-004 Key (included)



6686 Jacobs®-style coupler 1/4"

- Operating speed: 1600 RPM
- 4100-030 Key (included)



6688 Keyless drill coupler 1/4"

- Operating speed: 1600 RPM



6690 Synthes® quick connect coupler

- Operating speed: 1600 RPM



6685 Jacobs®-style high-torque reamer coupler 1/4"

- Operating speed: 500 RPM
- 4100-030 Key (included)

Sawing couplers

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.



6400 Reciprocating saw coupler

- Operating speed: 16,000 CPM
- Accepts MicroAire® 1400 series and ZR series reciprocating blades and rasps



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)



Series 5000

Small-bone instrument system

The MicroAire® Series 5000 small-bone instrument system offer reliable, smooth-running power with a wide selection of modules for drilling, sawing, and wire-driving. The quick-connect system enables module switching during a procedure without disconnecting hoses or cables. The system is available in pneumatic and electric power options with a high-speed coupler for spinal applications.

Small-bone instrument 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)

Accessories

Item#	Description
5000SC	Sterilization case
5025	Electric instrument control console
5006-5000	Electric instrument cable for 5025 console
5401	Foot pedal for 5025 console (use with 5000E)
5025-5401	Foot pedal cable (use with 5000E)



5000

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

Item#	Description
5000-100	with MicroAire® connector
5000-200	with Hall® connector

Accessories

Item#	Description
5000SC	Sterilization case
9000-000	10' (3m) pneumatic air hose with MicroAire® connector
9013-000	10' (3m) pneumatic air hose with Hall® connector
9500-000	Single-outlet regulator
9502-000	Dual-outlet regulator



12 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

Accessories

Item#	Description
1100-005	Long bur guard
1100-006	Extra-long bur guard

5990 Synthes® style drill module

- Operating speed: 1,670 RPM
- Accommodates quick coupling drill bits up to 3.5mm in diameter and 127mm in length



5980 Jacobs® style drill module 5/32"

- Operating speed: 1,670 RPM
- Accommodates Jacobs® style drill bits up to 4.0mm in diameter and 127mm in length

Accessories

Item#	Description
1645-004	Key (included)



5130 High speed drill module

- Operating Speed: 83,000 RPM
- High speed for bone sculpting
- Well-balanced, high-performance

Accessories

Item#	Description
5130-BG-M	Medium Bur Guard included*
5130-BG-L	Long Bur Guard

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



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 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



5945

Reciprocating saw module

- Operating speed: 16,000 CPM
- Powerful, quick-cutting reciprocating saw
- Shaping, contouring, and preparing intramedullary canals of small bones



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 secured in place with 2250-001 Locking key (included)

Accessories

Item#	Description
2250-001	Locking key (included)



5972

Oscillating saw module

- Operating speed: 30,000 CPM
- Accepts MicroAire ZO series small oscillating blades
- Blades secured in place with 1745-001 Locking key (included)

Accessories

Item#	Description
1745-001	Locking key (included)

Energy supplies and accessories

Batteries, chargers, consoles, and cables

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

MicroAire® NiMH batteries are the strongest and longest-lasting batteries in the industry. We'll keep you running strong through the toughest cases.



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. MicroAire NiMH batteries feature longer run times, more power, longer shelf lives and the best warranties with cost savings from every procedure.

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[®]



6640-710 SmartDriver NiMH battery

- Designed specifically for SmartDriver™ instruments
- 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
- 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

Drop-in aseptic battery system



7500-615 Battery housing

7500-620 Aseptic NiMH battery pack 14.4 volts

7500-625 Charging adapter

7500-630 Aseptic transfer shield

- Fits any of MicroAire's battery-powered orthopaedic instruments
- Battery is not autoclaved
- Contained within a sterile housing (7500-615) that is autoclaved
- Full one-year warranty—the best in the industry

16 Power console

5025

Electric instrument control console

- Runs two handpieces simultaneously
- Intuitive graphical user interface
- Precise "smart loop" instrument control
- For use with 5000 series small-bone instruments, SmartDriver™ DUOe and Solo™



5025-5401
Foot pedal cable



5006-5000
Cable for 5000 Series electric instruments

- Connects to 5025 power console



5401
Electric foot pedal

- Compatible with 5025 console only
- Two pedals provide variable-speed control for forward or reverse rotation
- Needs 5025-5401 foot pedal cable
- For use with 5000E (without fingertip throttle electric handpiece)



ELEC-220
Power cord (EU)

Accessories



6640-002
Wire guard

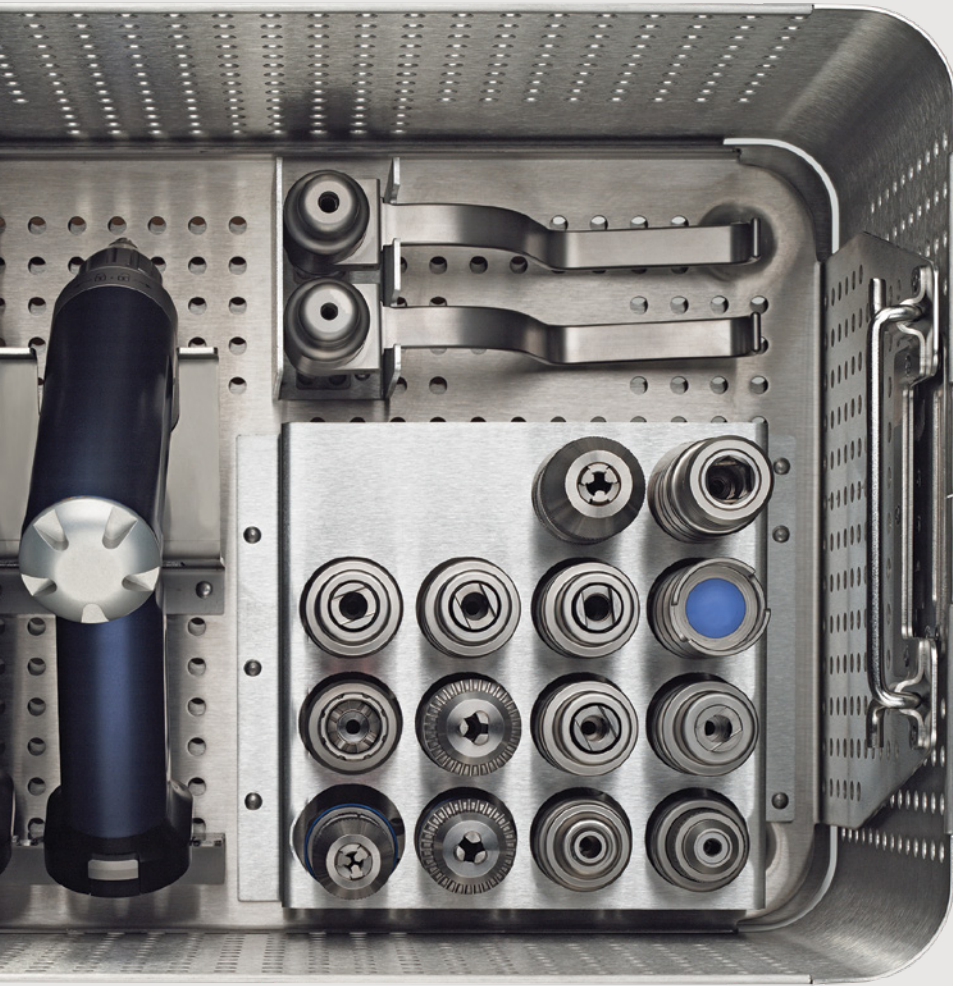


5130-BR
5000 High Speed Drill cleaning brush

Accessories

Item#	Description
CAP-100	Washer disinfectant cap for MicroAire® connectors
5130-BR	Cleaning brush for 5000 high speed drill
6640-002	Wire guard

18 Sterilization cases



MicroAire® sterilization cases are modular systems built to provide easy maintenance and storage for MicroAire's Small Power and SmartDriver.

Each sterilization case is designed specifically for the instruments it holds. 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

**5641SC**

SmartDriver™ DUOe
and pneumatic 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



20 Air hoses and accessories

MicroAire® pneumatic air hoses, regulators and adapters provide a reliable and time-proven source of power in the operating room. Smooth, consistent power, with a variety of adapters for connections to most standard systems.



Air hoses



9000-Series

Standard air hoses

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

MicroAire® style hose

9000-000 10' (3m) Standard air hose

7000-000 10' (3m) "Whisper" air hose

- Schrader connector at diffuser
- Fits all MicroAire instruments with product numbers ending with -100



7000-Series

"Whisper" air 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%

Linvatec (Hall®) Style Hose

9013-000 10' (3m) Standard air hose

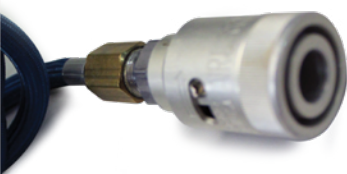
9013-020 20' (6m) Standard air hose

7013-000 10' (3m) "Whisper" air hose

7013-020 20' (6m) "Whisper" air hose

- Schrader connector at diffuser
- Fits all MicroAire® instruments with product numbers ending with -200

Air hose extensions



9300-010

10' (3m) extension hose replaces:

- Linvatec/Hall® 5052-18
- Schrader to Schrader

9300-020

20' (6m) extension hose replaces:

- Linvatec/Hall® 5052-31
- Schrader to Schrader



9300-030

10' (3m) extension hose replaces:

- Linvatec/Hall® 5052-29
- Schrader to DISS (Ohio)



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Adapters



Connector Options

9500-004

Ohio/Schrader adapter

9500-002

Schrader input connector

- Adapts Hall®, 3M®, and MicroAire® hoses to thread fitting, 1/4" NPT
- 100 PSI
- Accepts Schrader connectors (Hall®, 3M® or MicroAire® standard hose)
- Plugs into standard Hall® type regulator

Regulators



9500-000

Single regulator

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



9502-000

Dual regulator

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

Need to know for USA Customers

MicroAire® warranty

MicroAire®-powered surgical instruments are warranted to be free from defects in material and workmanship to the original purchaser for a period of one year from the date of purchase, exceptions include ECTR scopes, which are warranted up to three months after purchase date. Warranty is limited to repair or replacement (at the discretion of the manufacturer) of the product without charge.

MicroAire reserves the right to void the manufacturer's warranty in the event of abuse, misuse, disassembly, alteration, neglect, un-authorized repair, non-recommended usage and/or non-compliance per the Operating Instructions furnished by MicroAire.

All other expressed or implied warranties are excluded and MicroAire shall have no liability of any kind for incidental or consequential damages.

Repair process

If you are in need of any repairs for your MicroAire Power Equipment, please call MWI Animal Health at 877.266.3349, and choose option #2 for a Securos Technical Support representative.

Securos will provide a Return Authorization number to ship the item needing repair directly to MicroAire. Please be prepared to provide the MicroAire Part Number and the Serial/Lot number for each item needing repair.

Any item needing repairs outside of the warranty coverage will be quoted prior to repair. A quote is prepared after the instrument is opened and evaluated. There is an evaluation charge of \$100 that would be rolled into the cost of the repair. Once the quote is ready, it will need to be approved before repairs are made. If it is decided not to proceed with the repair, the \$100 charge is applied and the instrument is returned in post-evaluation state (disassembled).

Any charges for repair outside of warranty will be billed to your MWI Animal Health account. The repaired item will be returned to you directly from MicroAire.

All instruments returned for repairs must be cleaned and sterilized prior to return. Please ship items needing repair in appropriate shipping containers. The customer is responsible for all

shipments until they reach MicroAire. Insurance is recommended and is the customer's responsibility. Applicable freight charges are also the customer's responsibility.

Return process

Returns can only be processed if the item is in the original box and has not been autoclaved. For assistance with a return, please call MWI Animal Health at 877.266.3349, and choose option #2 for a Securos Technical Support representative.

Securos will provide a Return Authorization number to ship the item being returned directly to MicroAire. Please be prepared to provide the MicroAire Part Number, Serial/Lot number and the reason for return for each item.

Full Credit is only issued within 90 days of original purchase and is subject to a 15% restocking fee. It is suggested to always check your order within 24 hours of receiving it to confirm accuracy of product.

Please ship returns in appropriate shipping containers. The customer is responsible for all shipments until they reach MicroAire. Insurance is recommended and is the customer's responsibility. Applicable freight charges are also the customer's responsibility.

Support

If you are in need of Technical support regarding your MicroAire products, please call MWI Animal Health at 877.266.3349, and choose option #2 for a Securos Technical Support representative.

Business hours

Monday – Friday, 8:00am – 6:00pm EST
You can also email securossales@mwiah.com.

Loaner equipment

Loaners are available for most instruments for customers in good standing only. Loaner fee may apply.

To request a loaner of MicroAire Power Equipment, please call MWI Animal Health at 877.266.3349, and choose option #2 for a Securos Technical Support representative.

