MicroAire’s PAL® LipoSculptor™ is the only U.S.-patented liposuction instrument using a reciprocating motion (rather than rotating) to facilitate the movement of the cannula within tissue. This innovation reduces the amount of manual force and physical effort required to perform lipoplasty, especially in areas with fibrous tissue. The result is a better experience for both the surgeon and patient, compared to traditional liposuction.

- 2mm reciprocating stroke at 4000 cycles per minute
- Thumb-controlled speed throttle on handpiece
- Powered by a stand-alone electric console
- Special suction pumps are not necessary
- Autodiluvable Instrument and electric cable
- High-grade stainless steel cannulas manufactured in the U.S.

Unlike ultrasonic and laser lipoplasty devices, the PAL® LipoSculptor™ does not use heat, so there are no concerns for the accidental burning that can occur with other systems.

### PAL-730 LipoSculptor Wand™
- An ergonomic manual handpiece for sensitive areas such as the neck and back.
- Compatible with all LipoSculptor™ cannulas.

### PAL-500 Sterilization Tray
- Accommodates two handpieces, electric cable and up to ten cannulas
- Components are autoclavable

### PAL-650 Electric Handpiece
- 1020 Electric Console
  - Maximum-speed control
  - Accepts a single 1006-PAL(E) Electric Cable
  - Available in 110v or 220v

### PAL-700 Luer Lock Adapter
- PAL-730 LipoSculptor Wand
- PAL-900 Aspiration Tubing Set
- PAL-1020 Standard Electric Console
- 1006-PAL(E) Electric Cable

### PAL Liposculptor™ Turbo Cannulas
- Provides significant increase in aspirant removal rate compared to standard cannulas
- Special valve in the hub assembly allows ambient air to enter the cannula
- Luer Lock Adapter
  - Makes Luer Lock cannulas compatible with the PAL® LipoSculptor

Vaser® is a registered trademark of Sound Surgical Technologies LLC (SST), and is not affiliated with MicroAire Surgical Instruments LLC.

1 Dermatology Times. February 2003. “Liposuction Tools.” John Justice quoting Dr. Gerhard Sattler: “It’s dramatic how much better patients feel, how much more effectively we can treat them, how much more satisfied they are, and how far superior the results are compared to traditional liposuction.”
MicroAire’s PAL® LipoSculptor™ is the only U.S.-patented liposuction instrument using a reciprocating motion (rather than rotating) to facilitate the movement of the cannula within tissue. This innovation reduces the amount of manual force and physical effort required to perform lipoplasty, especially in areas with fibrous tissue. The result is a better experience for both the surgeon and patient, compared to traditional liposuction.

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- Thumb-controlled speed throttle on handpiece
- Powered by a stand-alone electric console
- Special suction pumps are not necessary
- Autofeasible Instrument and electric cable
- High-grade stainless steel cannulas manufactured in the U.S.
- Maximum-speed control
- Accepts a single 1006-PAL® Electric Cable
- Available in 110v or 220v

An ergonomic manual handpiece for sensitive areas such as the neck and back.

MicroAire’s PAL® LipoSculptor™ is the only U.S.-patented liposuction instrument using a reciprocating motion (rather than rotating) to facilitate the movement of the cannula within tissue. This innovation reduces the amount of manual force and physical effort required to perform lipoplasty, especially in areas with fibrous tissue. The result is a better experience for both the surgeon and patient, compared to traditional liposuction.

- 2mm reciprocating stroke at 4000 cycles per minute
- Thumb-controlled speed throttle on handpiece
- Powered by a stand-alone electric console
- Special suction pumps are not necessary
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An ergonomic manual handpiece for sensitive areas such as the neck and back.

The innovative PAL® LipoSculptor™ uses a patented reciprocating motion to facilitate the movement of the cannula within tissue.

An ergonomic manual handpiece for sensitive areas such as the neck and back.

Unlike ultrasonic and laser lipoplasty devices, the PAL® LipoSculptor™ does not use heat, so there are no concerns for the accidental burning that can occur with other systems.

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### LipoSculptor™ Cannulas

**Mercedes**

Small variations in the number of ports, as well as their size and location on the cannula, can have a significant impact on performance and outcomes. MicroAire® has developed multiple cannula varieties, based on recommendations from surgeons.

**Pal LipoSculptor** cannulas, to aggressive port sizes that are well-suited for large volume extraction and fibrous areas. The best overall, general-use LipoSculptor™ cannulas. Ranging from non-aggressive sculpting and extraction to aggressive sculpting, yet cannulas are still optimal for large-volume extraction and debulking.

**Flared Mercedes**

- 3mm Flared Mercedes: Aggressive, high volume cannula, ideal for detubing, separation, debulking and pin marking.
- 4mm Flared Mercedes: More aggressive, best used for contouring and sculpting. Good for breaking up fat without suction, prior to sculpting and extraction.
- 5mm Flared Mercedes: Highly aggressive, best used for contouring and sculpting. Good for large-volume extraction and debulking.

**Offset Double Mercedes**

- 3.6mm Offset Double Mercedes: Ideal for removing emulsified fat away from the skin to prevent surface irregularities. This also provides better control when shaping and sculpting, yet cannulas are still optimal for large-volume extraction and debulking.

**Mercedes**

- 3mm Single-Port: Ideal for fine sculpting. Excellent for removing emulsified fat away from the skin to prevent surface irregularities. This also provides better control when shaping and sculpting, yet cannulas are still optimal for large-volume extraction and debulking.

**Multi-Hole**

- 3mm Multi-Hole: Ideal for fine sculpting and feathering. Good for feathering at the abdomen and flanks.

**Tri-Port**

- Tri-Port II: 270° of extraction. Maximum volume. Ideal for aggressive sculpting. Good overall general-use cannula. Good for fibrous tissue and large-volume extraction.

**Mirrored Tri-Port II**

- 270° of extraction. Ideal for aggressive sculpting. Good overall general-use cannula. Good for fibrous tissue and large-volume extraction.

**Tri-Port III**

- 90° of extraction. Moderate volume. Ideal for aggressive sculpting. Best overall general-use cannula. Good for fibrous tissue and large-volume extraction.

**Tri-Port IV**

- 270° of extraction. Ideal for aggressive sculpting. Good overall general-use cannula. Good for fibrous tissue and large-volume extraction.

**Helixed Tri-Port III**

- 360° of extraction. Ideal for fine sculpting and feathering. Good overall general-use cannula. Good for fibrous tissue and large-volume extraction.

**Spatula**

- 90° of extraction. The Spatula is a shorter non-aggressive cannula with a blunt tip that makes it safer to use in small regions such as the neck, and in delicate areas such as the back.

### Cannula Ordering Information (1-800-722-0822)

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LipoSculptor™ Cannulas

Small variations in the number of ports, as well as their size and location on the cannula, can have a significant impact on performance and outcome.

Miricore™ has developed multiple cannula varieties, based on recommendations from surgeons.

Mercedes
The best overall, general-use LipoSculptor™ cannulas. Ranging from non-aggressive sculpting and extraction cannulas, to aggressive port sizes that are well-suited for large-volume extraction and fibrous areas.

Flared Mercedes
3mm Flared Mercedes
- Least aggressive of the flared cannulas, providing maximum extraction through a smaller cannula.
- Good for breaking up fat without suction, prior to sculpting and extraction.

4mm Flared Mercedes
- More aggressive, best used for contouring and sculpting.
- This is the cannula that received unsolicited acclaim from surgeons and speakers during the recent ASPS and ASAPS annual meetings.

5mm Flared Mercedes
- The least aggressive and most gentle cannula, available in varying lengths and diameters. Especially good for fine sculpting, and for lipoplaty in sensitive areas such as the neck and back.

4mm Offset Double Mercedes
- Ideal for feathering because of internal volume.
- Small hole size.
- Similar to™™ high-def cannulas.

3mm Multi-Hole
- Ideal for fine sculpting and feathering.
- Excellent for removing emulsified fat after laser or ultrasonic procedures.
- Well suited for lipoplasty in sensitive areas such as the neck and back.

LipoSculptor Extraction Cannulas
- 3mm Multi-Hole
- 3mm Double Mercedes
- 3mm Flared
- 4mm Flared

LipoSculptor Feathering Cannulas
- 3mm Tri-Port IV
- 3.6mm Tri-Port IV
- 3.6mm Offset Double Mercedes
- 4mm Offset Double Mercedes

Tri-Port II
LipoSculptor™ Tri-Port cannulas are designed with all ports on one side of the cannula. Ports can be directed away from the skin to prevent surface irregularities. This also provides better control when shaping and sculpting, yet cannulas are still optimal for large-volume extraction and debulking.

Tri-Port III
- 90° of extraction.
- Moderate volume.

Helixed Tri-Port III
- 270° of extraction.
- Aggressive cannula providing maximum extraction.
- Ideal for gynecomastia cases.

Tri-Port IV
- 270° of extraction.
- Ideal for feathering because of internal volume.
- Small hole size.
- Similar to™™ high-def cannulas.

LipoSculptor™ Cannula Ordering Information (1-800-722-0822)
**LipoSculptor™ Cannulas**

Small variations in the number of ports, as well as their size and location on the cannula, can have a significant impact on performance and outcomes.

 MicroLite® has developed multiple cannula varieties, based on recommendations from surgeons.

**Mercedes**
The best overall, general-use LipoSculptor™ cannulas. Ranging from non-aggressive sculpting and extraction to aggressive port sizes that are well-suited for large volume extraction and fibrous areas.

- **Flared Mercedes**
  - 30° of extraction.
  - High volume.
  - More aggressive, best used for contouring and sculpting.
  - Good for fibrous tissue and extraction through a smaller incision.
  - Least aggressive of the flared varieties.
  - 360° of extraction.

- **Double Mercedes**
  - 360° of extraction.
  - More aggressive, best used for contouring and sculpting.
  - Good overall general-use cannula.
  - Good for fibrous tissue and large-volume extraction.

- **3mm Flared Mercedes**
  - 30° of extraction.
  - Least aggressive of the flared cannulas, providing maximum extraction through a smaller incision.
  - Good for breaking up fat without suction, prior to sculpting and extraction.

- **4mm Flared Mercedes**
  - 360° of extraction.
  - More aggressive, best used for contouring and sculpting.
  - Good overall general-use cannula.
  - Good for fibrous tissue and large-volume extraction.

- **4mm Flared Mercedes**
  - 360° of extraction.
  - More aggressive, best used for contouring and sculpting.
  - Good overall general-use cannula.
  - Good for fibrous tissue and large-volume extraction.

- **5mm Flared Mercedes**
  - 360° of extraction.
  - More aggressive, best used for contouring and sculpting.
  - Good overall general-use cannula.
  - Good for fibrous tissue and large-volume extraction.

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**Tri-Port**
LipoSculptor™ Tri-Port cannulas are designed with all ports on one side of the cannula. Ports can be directed away from the skin to prevent surface irregularities. This also provides better control when shaping and sculpting, yet cannulas are still optimal for large-volume extraction and debulking.

- **Tri-Port II**
  - 270° of extraction.
  - High volume.
  - More aggressive.
  - 360° of extraction.

- **Mirrored Tri-Port II**
  - 270° of extraction.
  - Moderate volume.
  - Moderately aggressive, general use cannula.
  - Good for large-volume extraction and debulking.

- **Tri-Port III**
  - 90° of extraction.
  - Moderate volume.
  - Ideal for fine sculpting.
  - Maximum volume.

- **Tri-Port IV**
  - 360° of extraction.
  - Ideal for fine sculpting and feathering.
  - Moderate volume.

**Multi-Hole**
Ideal for fine sculpting and feathering. Excellent for removing emulsified fat from incision lines.

- **50° of extraction.**
- Ideal for fine sculpting and feathering. Excellent for removing emulsified fat from incision lines.

**Helixed Tri-Port III**
Aggressive, high volume cannulas, ideal for debulking, separation, dissection and pre-tunneling.

- **90° of extraction.**
- High volume.
- Ideal for fine sculpting.
- Maximum volume.

**Single-Port**
Ideal for gynecomastia and high-fibrous areas.

- **90° of extraction.**
- High volume.
- Maximum volume.

**Spatula**
The Spatula is a shorter cannula, with a blunt tip that makes it safer for fine sculpting, and for contouring and feathering in sensitive areas. Ideal for fine sculpting, and for feathering in sensitive areas such as the neck and back.

- **90° of extraction.**
- High volume.
- Maximum volume.

**LipoSculptor Extraction Cannulas**
- 3mm Multi-Hole
- 3mm Double-Mercedes
- 3mm Flared
- 4mm Flared

**LipoSculptor Feathering Cannulas**
- 3mm Tri-Port IV
- 3.6mm Tri-Port IV
- 3.6mm Offset Double Mercedes
- 4mm Offset Double Mercedes

**Cannula Ordering Information**
(1-800-722-0822)
MicroAire’s PAL® LipoSculptor™ is the only U.S.-patented liposuction instrument using a reciprocating motion (rather than rotating) to facilitate the movement of the cannula within tissue. This innovation reduces the amount of manual force and physical effort required to perform lipoplasty, especially in areas with fibrous tissue. The result is a better experience for both the surgeon and patient, compared to traditional liposuction.

- 2mm reciprocating stroke at 4000 cycles per minute
- Thumb-controlled speed throttle on handpiece
- Powered by a stand-alone electric console
- Special suction pumps are not necessary
- Autoclavable Instrument and electric cable
- High-grade stainless steel cannulas manufactured in the U.S.
- Maximum-speed control
- Accepts a single 1006-PAL[Electrical Cable]
- Available in 110v or 220v
- An ergonomic manual handpiece for sensitive areas such as the neck and back.
- Compatible with all LipoSculptor™ cannulas.
- Accommodates two handpieces, electric cable and up to ten cannulas
- Components are autoclavable

#### Catalog #   Description

| PAL-500      | Sterilization Tray     |
| PAL-650      | Electric Handpiece     |
| PAL-700      | Luer Lock Adapter      |
| PAL-730      | LipoSculptor Wand      |
| PAL-900      | Aspiration Tubing Set  |
| 1020         | Standard Electric Console |
| 1006-PAL[E] | Electric Cable         |

The innovative PAL® LipoSculptor™ uses a patented reciprocating motion to facilitate the movement of the cannula within tissue.

Vaser® is a registered trademark of Sound Surgical Technologies LLC (SST), and is not affiliated with MicroAire Surgical Instruments LLC.

1. Dermatology Times, February 2003. “Liposuction Tools,” John Jesitus quoting Dr. Gerhard Sattler: “It’s dramatic how much better patients feel, how much more effectively we can treat them, how much more satisfied they are, and how far superior the results are compared to traditional liposuction.”

Unlike ultrasonic and laser liposuction devices, the PAL® LipoSculptor™ does not use heat, so there are no concerns for the accidental burning that can occur with other systems.

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### Power Assisted Lipoplasty

#### PAL® LipoSculptor™ Electric Handpiece

- PAL-730 LipoSculptor Wand™
  - An ergonomic manual handpiece for sensitive areas such as the neck and back.
  - Compatible with all LipoSculptor™ cannulas.
  - Maximum-speed control
  - Accepts a single 1006-PAL[Electrical Cable]
  - Available in 110v or 220v
  - Components are autoclavable

- PAL-500 PAL® Sterilization Tray
  - Accommodates two handpieces, electric cable and up to ten cannulas
  - Components are autoclavable

- PAL® LipoSculptor™ Turbo Cannulas
  - Provides significant increase in aspirate removal rate compared to standard cannulas
  - Special valve in the hub assembly allows ambient air to enter the cannula

- PAL® LipoSculptor™ Luer Lock Adapter
  - Makes Luer Lock cannulas compatible with the PAL® LipoSculptor

To order, call toll-free 1-800-722-0822

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