

# PAL<sup>®</sup> LipoSculptor<sup>™</sup>

## Power Assisted Lipoplasty



The innovative PAL<sup>®</sup> LipoSculptor<sup>™</sup> is the only U.S.-patented liposuction instrument using a reciprocating motion (rather than rotating) to facilitate the movement of the cannula within tissue.

## Power Assisted Lipoplasty

### PAL-650

## PAL® LipoSculptor™ Electric Handpiece

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.<sup>1</sup>



*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.*

- ▶ 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.

### PAL-730

## LipoSculptor Wand™



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

### PAL-500

## PAL® Sterilization Tray

- ▶ Accommodates two handpieces, electric cable and up to ten cannulas
- ▶ Components are autoclavable



### 1020

## Electric Console



- ▶ Maximum-speed control
- ▶ Accepts a single 1006-PAL[E] Electric Cable
- ▶ Available in 110v or 220v

## 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



### PAL-700

## Luer Lock Adapter

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





## 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.

MicroAire® 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



Aggressive, high volume cannulas, ideal for debulking, separation, dissection and pre-tunneling.

##### 3mm Flared Mercedes

- ▶ 360° of extraction.
- ▶ 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

- ▶ 360° of extraction.
- ▶ More aggressive, best used for contouring and sculpting.
- ▶ This is the cannula that received unbiased acclaim from surgeon-speakers during the recent ASPS and ASAPS annual meetings.

##### 5mm Flared Mercedes

- ▶ 360° of extraction.
- ▶ Aggressive cannula providing maximum extraction.

#### Double Mercedes



- ▶ 360° of extraction.
- ▶ More aggressive.
- ▶ Best overall general-use cannula.
- ▶ Good for fibrous tissue and large-volume extraction.

#### Offset Double Mercedes



- ▶ 360° of extraction.
- ▶ More aggressive.
- ▶ Good overall general-use cannula.
- ▶ Good for fibrous tissue and large-volume extraction.

#### Mercedes



- ▶ 360° of extraction.
- ▶ Moderately aggressive, general-use cannula.
- ▶ Good for majority of cases.

## 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.

### Mirrored Tri-Port II



- ▶ 270° of extraction.
- ▶ Maximum volume.

### Tri-Port III



- ▶ 90° of extraction.
- ▶ Moderate volume.

### Helixed Tri-Port III



- ▶ 270° of extraction.
- ▶ Aggressive cannula for high-fibrous areas.
- ▶ Ideal for gynecomastia cases.

### Tri-Port IV



- ▶ 270° of extraction.
- ▶ Ideal for feathering because of minimal volume.
- ▶ Small hole size.
- ▶ Similar to Vaser® high-def cannulas.

## Multi-Hole



- ▶ 360° of extraction.
- ▶ Ideal for fine sculpting and feathering.
- ▶ Excellent for removing emulsified fat after laser or ultrasonic procedures.
- ▶ Well suited for lipoplasty of the abdomen and flanks.

## Single-Port



- ▶ 90° of extraction.
- ▶ The least aggressive and most gentle cannulas, available in varying lengths and diameters. Especially good for fine sculpting, and for lipoplasty in sensitive areas such as the neck and back.

## 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.




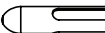





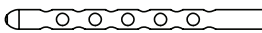
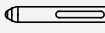

### LipoSculptor™ Extraction Cannulas

- ▶ 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

# PAL® LipoSculptor™ Cannulas To order, call toll free 1-800-722-0822

| TIP STYLE              | CANNULA DIAMETER | USABLE LENGTH | PORT LENGTH | SINGLE USE PART NO. | MULTI-USE PART NO. | SINGLE USE TURBO PART NO. |   |
|------------------------|------------------|---------------|-------------|---------------------|--------------------|---------------------------|---|
| FLARED MERCEDES        | 5mm              | 30cm          | 9.7mm       |                     | PAL-R508LL         |                           |    |
|                        | 5mm              | 22cm          | 9.7mm       |                     | PAL-R508LS         |                           |   |
|                        | 4mm              | 30cm          | 9.7mm       | PAL-408LL           | PAL-R408LL         |                           |   |
|                        | 4mm              | 22cm          | 9.7mm       | PAL-408LS           | PAL-R408LS         |                           |   |
|                        | 3mm              | 30cm          | 9.7mm       | PAL-308LL           | PAL-R308LL         |                           |   |
|                        | 3mm              | 22cm          | 9.7mm       | PAL-308LS           | PAL-R308LS         |                           |   |
| DOUBLE MERCEDES        | 5mm              | 30cm          | 10mm        | PAL-505LL           | PAL-R505LL         | PAL-505LLT                |    |
|                        | 5mm              | 22cm          | 10mm        | PAL-505LS           | PAL-R505LS         |                           |   |
|                        | 4mm              | 30cm          | 10mm        | PAL-405LL           | PAL-R405LL         | PAL-405LLT                |   |
|                        | 4mm              | 22cm          | 10mm        | PAL-405LS           | PAL-R405LS         |                           |   |
| OFFSET DOUBLE MERCEDES | 4mm              | 30cm          | 5.1, 4.2mm  | PAL-4010SL          | PAL-R4010SL        |                           |    |
|                        | 3.6mm            | 30cm          | 4.1, 3.5mm  | PAL-3610SL          | PAL-R3610SL        |                           |   |
|                        | 3mm              | 30cm          | 10mm        | PAL-3010LL          | PAL-R3010LL        |                           |   |
|                        | 3mm              | 22cm          | 10mm        | PAL-3010LS          | PAL-R3010LS        |                           |   |
| MERCEDES               | 5mm              | 30cm          | 10mm        | PAL-504LL           | PAL-R504LL         |                           |    |
|                        | 5mm              | 22cm          | 10mm        | PAL-504LS           | PAL-R504LS         |                           |   |
|                        | 4mm              | 40cm          | 10mm        |                     | PAL-R404XL         |                           |   |
|                        | 4mm              | 30cm          | 10mm        | PAL-404LL           | PAL-R404LL         | PAL-404LLT                |   |
|                        | 4mm              | 22cm          | 10mm        | PAL-404LS           | PAL-R404LS         | PAL-404LST                |   |
|                        | 3mm              | 30cm          | 8mm         | PAL-304LL           | PAL-R304LL         |                           |   |
|                        | 3mm              | 22cm          | 8mm         | PAL-304LS           | PAL-R304LS         |                           |   |
|                        | 3mm              | 15cm          | 8mm         | PAL-304LM           | PAL-R304LM         |                           |   |
|                        | 2.4mm            | 15cm          | 7.5mm       | PAL-244LM           | PAL-R244LM         |                           |   |
| TRI-PORT II            | 4mm              | 30cm          | 10mm        | PAL-402LL           | PAL-R402LL         |                           |  |
|                        | 4mm              | 22cm          | 10mm        | PAL-402LS           | PAL-R402LS         |                           |   |
|                        | 3mm              | 30cm          | 8mm         | PAL-302LL           | PAL-R302LL         |                           |   |
|                        | 3mm              | 22cm          | 8mm         | PAL-302LS           | PAL-R302LS         |                           |   |
| MIRRORED TRI-PORT II   | 5mm              | 30cm          | 10mm        | PAL-506LL           | PAL-R506LL         |                           |  |
|                        | 5mm              | 22cm          | 10mm        | PAL-506LS           | PAL-R506LS         |                           |   |
|                        | 4mm              | 30cm          | 10mm        | PAL-406LL           | PAL-R406LL         |                           |   |
|                        | 4mm              | 22cm          | 10mm        | PAL-406LS           | PAL-R406LS         |                           |   |
| TRI-PORT III           | 4mm              | 30cm          | 10mm        | PAL-403LL           | PAL-R403LL         |                           |  |
|                        | 4mm              | 22cm          | 10mm        | PAL-403LS           | PAL-R403LS         |                           |   |
|                        | 3mm              | 30cm          | 8mm         | PAL-303LL           | PAL-R303LL         |                           |   |
|                        | 3mm              | 22cm          | 8mm         | PAL-303LS           | PAL-R303LS         |                           |   |
| HELIXED TRI-PORT III   | 5mm              | 30cm          | 10mm        | PAL-507LL           | PAL-R507LL         | PAL-507LLT                |  |
|                        | 5mm              | 22cm          | 10mm        | PAL-507LS           | PAL-R507LS         |                           |   |
|                        | 4mm              | 30cm          | 10mm        | PAL-407LL           | PAL-R407LL         |                           |   |
|                        | 4mm              | 22cm          | 10mm        | PAL-407LS           | PAL-R407LS         |                           |   |
| TRI-PORT IV            | 3.6mm            | 30cm          | 4.1, 2.0mm  | PAL-369LL           | PAL-R369LL         |                           |  |
|                        | 3.6mm            | 22cm          | 4.1, 2.0mm  | PAL-369LS           | PAL-R369LS         |                           |   |
|                        | 3.6mm            | 15cm          | 4.1, 2.0mm  | PAL-369LM           | PAL-R369LM         |                           |   |
|                        | 3mm              | 22cm          | 3.2, 1.6mm  | PAL-309LS           | PAL-R309LS         |                           |   |
|                        | 3mm              | 15cm          | 3.2, 1.6mm  | PAL-309LM           | PAL-R309LM         |                           |   |
| MULTI-HOLE             | 3mm              | 30cm          | 1.9mm       | PAL-30MLL           | PAL-R30MLL         |                           |  |
|                        | 3mm              | 22cm          | 1.9mm       | PAL-30MLS           | PAL-R30MLS         |                           |   |
|                        | 3mm              | 15cm          | 1.9mm       | PAL-30MLM           | PAL-R30MLM         |                           |   |
| SINGLE PORT            | 3mm              | 30cm          | 8mm         | PAL-300LL           | PAL-R300LL         |                           |  |
|                        | 3mm              | 22cm          | 8mm         | PAL-300LS           | PAL-R300LS         |                           |   |
|                        | 3mm              | 22cm          | 6mm         | PAL-300SS           | PAL-R300SS         |                           |   |
|                        | 2.4mm            | 22cm          | 7.5mm       | PAL-240LS           | PAL-R240LS         |                           |   |
|                        | 2.4mm            | 22cm          | 5mm         | PAL-204SS           | PAL-R240SS         |                           |   |
|                        | 2.4mm            | 15cm          | 7.5mm       | PAL-240LM           | PAL-R240LM         |                           |   |
| SPATULA                | 3mm 3 hole       | 15cm          | 1.5mm       | PAL-30S3            | PAL-R30S3          |                           |  |
|                        | 3mm 2 hole       | 15cm          | 1.5mm       | PAL-30S2            | PAL-R30S2          |                           |   |
|                        | 2.4mm            | 15cm          | 3mm         | PAL-24S1            | PAL-R24S1          |                           |   |



**PAL<sup>®</sup> LipoSculptor<sup>™</sup> and Accessories** To order, call toll free 1-800-722-0822

**Catalog #**

**Description**

► PAL-500

Sterilization Tray



► PAL-650

LipoSculptor<sup>™</sup> Handpiece



► PAL-700

Luer Lock Adapter



► PAL-730

LipoSculptor<sup>™</sup> Manual Wand



► PAL-900

Aspiration Tubing Set



► 1020

Standard Electric Console



► 1006-PAL[E]

Electric Cable



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

<sup>1</sup> *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]."



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