

# Power Assisted Lipoplasty



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

Product Information

**PAL<sup>®</sup>**  
**LIPO** **SCULPTOR<sup>™</sup>**  
Power Assisted Lipoplasty

**MICROAIRE<sup>®</sup>**

## 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.

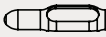
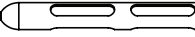
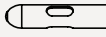
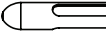
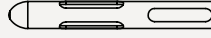




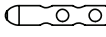
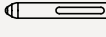

### LipoSculptor™ Extraction Cannulas

- ▶ 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		
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		

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

<i>Catalog #</i>	<i>Description</i>	
▶ PAL-500	Sterilization Tray	
▶ PAL-650	LipoSculptor™ Handpiece	
▶ PAL-700	Luer Lock Adapter	
▶ PAL-730	LipoSculptor™ Manual Wand	
▶ PAL-900	Aspiration Tubing Set	
▶ 1020	Standard Electric Console	
▶ 1006-PAL[E]	Electric Cable	

Vaser® 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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