

# Permanent laser hair removal

Super long pulse diode laser

- Light and dark skin types
- Fast - one back in 25 minutes
- Safe and efficient
- Benign pigmented and vascular lesions



MedArt<sup>®</sup>  
435

MedArt A/S is a Danish medical laser company founded in 1979.

The company has pioneered the development of new laser technologies for medical procedures and markets a broad range of cosmetic and surgical laser systems.

MedArt A/S has subsidiaries in Europe and the United States and collaborates with partners worldwide.



For further information please contact MedArt A/S or your local distributor

**MedArt**<sup>®</sup>  
Medical laser systems

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"Compared to other lasers on the market the MedArt® 435, 810 nm diode laser can be adapted precisely to the targets in the depth of the skin. The wavelength on the one hand and the possibility of the various settings make this equipment a very efficient tool in the everyday work in my clinic for aesthetic and laser medicine. The use of the laser is adaptable to a very easy use by new users and can perform different settings. The cooling unit gives an efficient tool to minimize the thermal irritation in superficial layers and the surrounding of bigger targets. The reliability of the equipment is very good. In the years of using this laser equipment I developed various new possibilities of treatment".

**Dr.med. Johannes Lang**  
 Director of the LaserZentrum Erlangen, Germany.  
 President of the European – Laser Aesthetic Surgery.

**▲ 6 Tx.**  
 Received 6Tx with a scanner distributing 8 mm diameter spots over the treatment area. Achieved 80% hair reduction.

**2 Tx. ►**  
 Received treatment on one finger with the others acting as control sites. Achieved nearly 100% hair reduction.

**4 Tx.**  
 Received 4Tx with a scanner distributing 8 mm diameter spots over the treatment area. Achieved nearly 100% hair reduction.

**▼**



- Safe, well documented
- Better aesthetic results
- The permanent solution
- Satisfied patients

**Medical art  
 based on  
 scientific  
 research**



**4 Tx.**  
 Received 4Tx with a scanner distributing 8 mm diameter spots over the treatment area. Achieved nearly 100% hair reduction.

### Fast

- One back in 25 minutes
- 5.7 cm<sup>2</sup> in 1.5 seconds

### Safe

- Super long pulse
- Contact cooling

### Versatile

- Hair - vascular - surgery

### Profitable

- Fast, safe and versatile system  
- high patient throughput
- Low running costs

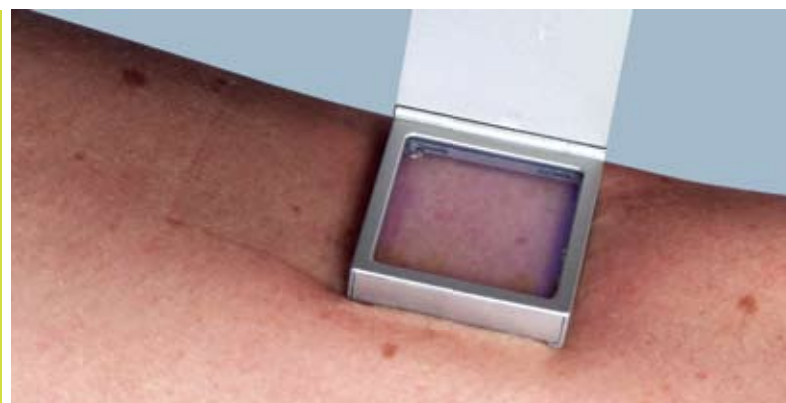
The unique hair removal scanner makes it possible to treat even large areas very fast. The scanner places a series of 9 spots each with a diameter of 8 mm. The scanner is designed for very precise spot overlap and even distribution of energy over the treatment area.

Treatment safety is guaranteed by the strong combination of super long pulse technology and contact cooling. The super long pulse technology makes it possible to work with pulses up to 1000 msec to treat even the darker skin types. The pre, parallel and post treatment contact cooling highly increases patient comfort and minimizes any risk of unwanted side effects.

The MedArt® 435 has a simple user interface and stores up to 16 pre-programmed settings. The system is small and compact and only requires a minimum of maintenance. Running costs are very low with only a minimum of consumables required even during long-term use.

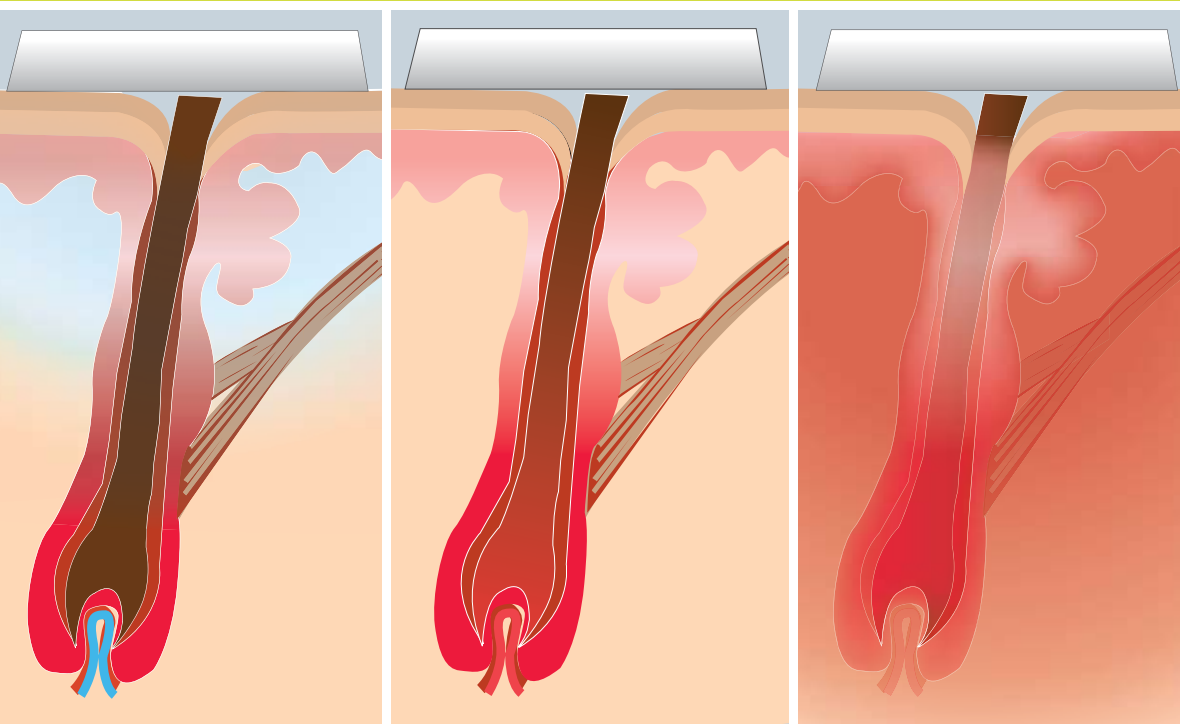


- Hair removal
- Pigmented lesions
- Telangiectasia
- Spider veins
- Leg veins
- Haemangiomas
- Skin rejuvenation
- ENT-surgery
- Endovenous laser therapy



◀ 1 Tx.  
with a 1.2 mm focusing hand-  
piece cleared the lesion.

## Three essentials for permanent hair removal



Skin cooling ▲

Penetration depth ▲

Super long pulse ▲

2 Tx. ▲

Received treatment with a scanner distributing 8 mm diameter spots over 5.7 cm<sup>2</sup>

# MedArt®

## - Permanent laser hair removal

Expand your hair removal patient base with a flexible MedArt® 435 laser system – just change a few accessories and have a full treatment platform:

### Benign pigmented and vascular lesions

A range of vascular and pigmented lesions can be treated with the MedArt® 435:

- Leg veins
- Telangiectasia
- Lentigines
- Angiomas
- Spider naevi
- Blue venous lake

A change of a few accessories converts the treatment platform to vascular and pigmented lesions.

Laser treatment of benign pigmented and vascular lesions offers strong benefits for clinic and patient:

- Gentle yet effective treatment
- Safe and easy-to-do
- No purpura
- Non-invasive
- No need for local anaesthesia

The treatment of vascular and pigmented lesions is a challenge as a sufficient amount of laser light must be absorbed in the lesion while leaving the surrounding skin and tissue intact.

The 810 nm wavelength of the MedArt® 435 combined with the high output power ensures optimal energy uptake in the targeted lesions as well as sufficient penetration depth.

### Skin rejuvenation

A non-invasive procedure that gives gradual improvement of skin texture, discolouration and evens out fine lines.

### Varicose veins

Insufficient vena saphena magna and parva can be treated endovenously, thus offering a complete platform for treating leg veins from 0.1 to 20 mm in diameter.

### Minor surgery

The MedArt® 435 can be used for soft tissue surgery, a unique opportunity for the busy and versatile clinic which wants to enhance the treatment platform.

### And more...

Please contact your local dealer or MedArt A/S for more information about the optimal laser solution.

### MedArt® 413 scanner

The MedArt® 413 scanner weighs a mere 290 g. - easy to operate for the busy hair removal clinic. The attached cooling head cools at all times - pre, parallel and post treatment.



### MedArt® 435 diode laser

Versatile high-power super long pulse laser. Plug it in and it is ready to use.



### MedArt® 525 cooling system

Cools down to 0° C in no time at no cost.



### Handpieces

Change from one type of treatment to another.



### Accessories - handpieces and spotsizes

Fibre size/handpiece	Blue	Green	Red
MedArt® 435 1000 micron fibre	1.2 mm spot size	2.5 mm spot size	4.0 mm spot size

### Versatile high-power laser

### MedArt® 435

Type No:	MedArt® 435
Laser type:	Continuous wave diode laser Laser Class 4 (IEC 825)
Max output power:	90 W
Wavelength:	810 nm
Target indicator:	Red indicator light through fibre (635 nm)
Fibre connection:	MedArt® Quick Safe Connect
Fibre diameter:	1000 µm or larger
Pulsed emission:	
- frequency range:	Min. 0.3 Hz/Max 100 Hz
- pulse width:	10 - 1000 millisecc.
Fluence:	Max. 200 J/cm <sup>2</sup>
Output power meter:	1 W to 150 W
Power supply:	Mains connection (100-120V or 200-240V, 50/60 Hz)
Size:	51.5 x 30.0 x 15.0 cm
Weight:	Approx. 13 kg
Safety class:	I type BF

Specifications are subject to change without notice.

### Ergonomic scanner

### MedArt® 413

Type No:	MedArt® 413
Spot size:	8 mm
Scan Pattern:	Square / line / single spot
Treatment area:	24 x 24 mm, 24 x 8 mm, 8 mm
Scanning time:	0.5 - 4 sec.
Indication of settings:	9 green LED indicators
Treatment distance:	58 mm from output lens
Optical power efficiency:	Typically > 98%
Dimensions:	12.0 x 11.0 x 2.5 cm
Weight:	Approx. 290 g, excl. cable and fibre system
Safety class:	I type BF

Specifications are subject to change without notice.

### Compact cooling unit

### MedArt® 525

Type No:	MedArt® 525
Temperature range:	0-20° C, equivalent to 32-68°F
Operating conditions:	Ambient temperature < 28°C / 83°F
Cooling liquid:	Volume 250 ml, 70% water (purified), 30% pure alcohol.
Power supply:	Mains connection (100-120V or 200-240V, 50/60 Hz)
Size:	51.5 x 30.0 x 15.0 cm
Weight:	Approx. 11 kg
Safety class:	I type BF

Specifications are subject to change without notice.



PATENT PENDING