

# MedArt VariMed™ 810nm Diode Laser System

A Versatile Solution  
for both  
Unwanted Hair  
& Vascular Lesions



**MedArt**

Danish Design and Manufacturing  
Since 1979

# Your Perfect Solution for Permanent Hair Removal & Vascular Treatments

Optimal Treatment for the Following Indications and Conditions:

## Vascular Lesions:

- ✓ Telangiectasia & Venectasia
- ✓ Spider Veins
- ✓ Hemangiomas
- ✓ Reticular Veins
- ✓ Port Wine Stains
- ✓ Rosacea Redness and Flushing
- ✓ Venous Lakes
- ✓ Fine Varicose Vein
- ✓ Transcutaneous Leg Vein

## Endovascular Treatment of Larger Veins:

- ✓ Vena Saphena Magna
- ✓ Vena Saphena Parva

## Hair Removal:

- ✓ All Skin Types

## Before and After Clinical Cases





Vascular Handpiece Accessories:  
1.2 mm, 2.5 mm, 4.0 mm spot size.



Ergonomic Scanner with Contact Cooling.



## Key Advantages

- **SAFE** – Super long pulse with contact cooling window
- **VERSATILE** – A system for both hair removal & vascular lesion treatment
- **FAST** – Treatment of a man's full back in 30 minutes
- **STABLE** – Impressive long-term results
- **SILENT** – The quietest laser you will ever use
- **LOW RUNNING COST** – No consumables are required
- **BUILT-IN POWER METER**
- **QUICK SAFE CONNECTOR** – For endovascular treatment

## Hair Removal

### Setting New Standards for Permanent Hair Reduction

The MedArt VariMed system leads the way in performing safe and efficient hair removal on all skin types. In combination with the industry-leading MedArt scanner, VariMed offers fast and effective treatments on all body areas.

### Industry Leading Scanner

The scanner places a series of 9 spots of 8 mm diameter, within the large 5.7 cm<sup>2</sup> treatment area. The accurate spot overlap ensures an even energy distribution. Controls on the scanner itself enable the scan pattern to be changed conveniently to a single line or a single 8 mm spot for treating smaller areas, as well as enabling power adjustment options.

### Safe Treatment

Treatment safety is enhanced by a combination of super long-pulse technology and contact cooling. The super long-pulse enables safe treatment of darker skin types, and the pre, parallel and post treatment contact cooling down to 0°C increases patient comfort and minimizes the risk of unwanted side effects. An integrated power meter enables practitioners to verify power output at any time.

### Compact, Easy to Use and Cost Efficient

The VariMed system is compact and portable. The intuitive user-friendly interface is easy to navigate, and running costs are minimized as it requires no consumables. The MedArt scanner is easy to operate with ergonomic design and a weight of just 290 g. The attached sapphire window provides pre, parallel and post treatment cooling.

## Vascular Lesion

### Transcutaneous Treatment of Vascular Lesions

Operating at 810 nm enables high absorption in oxyhaemoglobin combined with sufficient penetration depth to target larger, deeper vessels. Vessels of up to 4 mm in diameter are successfully treated.

Often only a single treatment is required to close veins or clear lesions. During treatment the smallest veins immediately contract and disappear, whereas larger vessels coagulate and are absorbed in due course.

### Integrated Contact Cooling System

The focused handpiece with a sapphire glass cooling window enables a more comfortable treatment of large vessels. The cooling system gives superior contact cooling, providing excellent skin protection during treatment especially for darker skin types, thus reducing the risk of side effects.

### A Multi Purpose Vascular Solution

VariMed can now be upgraded for endovascular treatment of vena saphena magna and vena saphena parva using a bare fiber, making VariMed the complete vascular treatment system.

# Specifications MedArt VariMed™

LASER TYPE	Continuous Wave Diode Laser. Laser Class 4 (IEC 60825)
MAX FLUENCE	200 J/cm <sup>2</sup>
OUTPUT POWER RANGE	1 – 90 W
WAVELENGTH	810 nm
AIMING BEAM	Red Indicator light through fiber (635 nm)
MODE OF OPERATION	Continuous or Pulsed Operation
FREQUENCY RANGE	0.3 - 100 Hz
PULSE WIDTH	10 – 1000 msec
SPOT SIZE	1.2 mm, 2.5 mm, 4 mm with Cooling Hand Piece
FIBER CONNECTION	MedArt Quick Safe Connect
FIBER DIAMETER	1000 µm or Larger
FIBER LENGTH	165 cm
PULSED EMISSION/ FREQUENCY RANGE	Frequency Range: Min 0.3 Hz / Max 100 Hz
HANDPIECE	Straight Handpiece or Scanner
OUTPUT POWER METER	1 W – 150 W
MAIN VOLTAGE	100 – 240 V, 50 / 60 Hz
SAFETY CLASS	Electrical Class I Type BF
SIZE	58 x 46 x 16 cm
WEIGHT	18 kg
PRODUCT CODE	MedArt 435
CERTIFICATIONS	CE 0459 / FDA
<b>ENDOVENOUS</b>	
ENDOVENOUS FIBER DIAMETER	600 µm
<b>SCANNER SPECIFICATION</b>	
SPOT SIZE	8 mm
SCAN PATTERN	Square / Line / Single Spot
TREATMENT AREA	24x24 mm, 24x8 mm, 8 mm
SCANNING TIME	0.5 – 4 sec
INDICATION OF SETTINGS	9 Green LED Indicators
TREATMENT DISTANCE	58 mm
OPTICAL POWER EFFICIENCY	Typically > 98%
DIMENSIONS	12 x 11 x 2.5 cm
WEIGHT	290 g
SAFETY CLASS	Electrical Class I Type BF
PRODUCT CODE	MedArt 413
CERTIFICATIONS	CE 0459 / FDA
<b>COOLING SPECIFICATIONS</b>	
COOLING TEMPERATURE RANGE	0 – 20° C / (32 – 68° F)
OPERATING CONDITIONS	Ambient Temperature < 28° C / 83° F
COOLING LIQUID	Volume 250 ml, 70% Purified Water / 30% Pure Alcohol
MAIN VOLTAGE	100 – 240 V, 50 / 60 Hz
SIZE	51.5 x 30 x 15 cm
WEIGHT	11 kg
PRODUCT CODE	MedArt 525
CERTIFICATIONS	CE 0459 / FDA



## About us

MedArt A/S is a Danish company with an international profile developing, manufacturing, and selling world class medical lasers for aesthetic dermatology and other medical purposes.

The company was founded in 1979, and the head office, R&D, manufacturing, and marketing department are all located in Copenhagen, Denmark.

We offer a broad range of medical lasers combined with the MedArt range of scanners and MedArt cooling systems for most dermatological indications.



## Check out our other products



### MedArt FRx Intenz CO<sub>2</sub>™

The ergonomic, compact and Versatile CO<sub>2</sub> laser system with articulated arm combined with unique scanning technology for fractional or full ablation and surgical treatments.



### MedArt SmartSculpt™ 980 nm Diode Laser

The compact, table-top sized, safe, and accurate system for assisted lipolysis, hyperhidrosis, body contouring and sculpting.



### MedArt FRx 10600 nm CO<sub>2</sub> Laser

The well-proven CO<sub>2</sub> platform to offer advanced fractional treatments with the unique MedArt scanner distributing the energy with the adjusted pulse width and spot density. The scanner is connected to the laser by a unique flexible optical fiber.



### MedArt ILVO™ 1470 nm Diode Laser

The compact and advanced system to maximize the comfort, safety, speed and effectiveness of the varicose vein treatments. MedArt ILVO is also available in 980 nm wavelength on request.

# MedArt

Danish Design and Manufacturing  
Since 1979

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