

CO₂ laser for skin resurfacing and benign skin lesions

- Safe, well documented
- Easy-to-do
- Stable energy output
- Excellent aesthetic results

Medical art based on scientific research

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



- Futuristic design
- 15 or 20 Watt on tissue
- Flexible fibre delivery system
- Low maintenance



MedArt[®]
Medical laser systems

MedArt[®]
610

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Style and elegance go hand-in-hand with efficiency in the highly innovative design of the MedArt® 610 laser.

A CO₂ laser is - even after many years on the market - still an outstanding tool to address a whole range of treatments which makes it an important asset for the clinic:

- Skin resurfacing
- Warts
- Condylomas
- Fibromas
- Xanthelasma
- Actinic keratosis
- ... and many more.

Skin resurfacing

Skin resurfacing with a MedArt® 610 laser is still one of the most efficient tools to take years off the looks. The skin resurfacing procedure evens out deep wrinkles, acne scars, smokers' lines and photodamaged skin. The skin resurfacing procedure can be done as either full face or in partial areas such as the perioral, periorbital or glabella areas.

Benign skin lesions

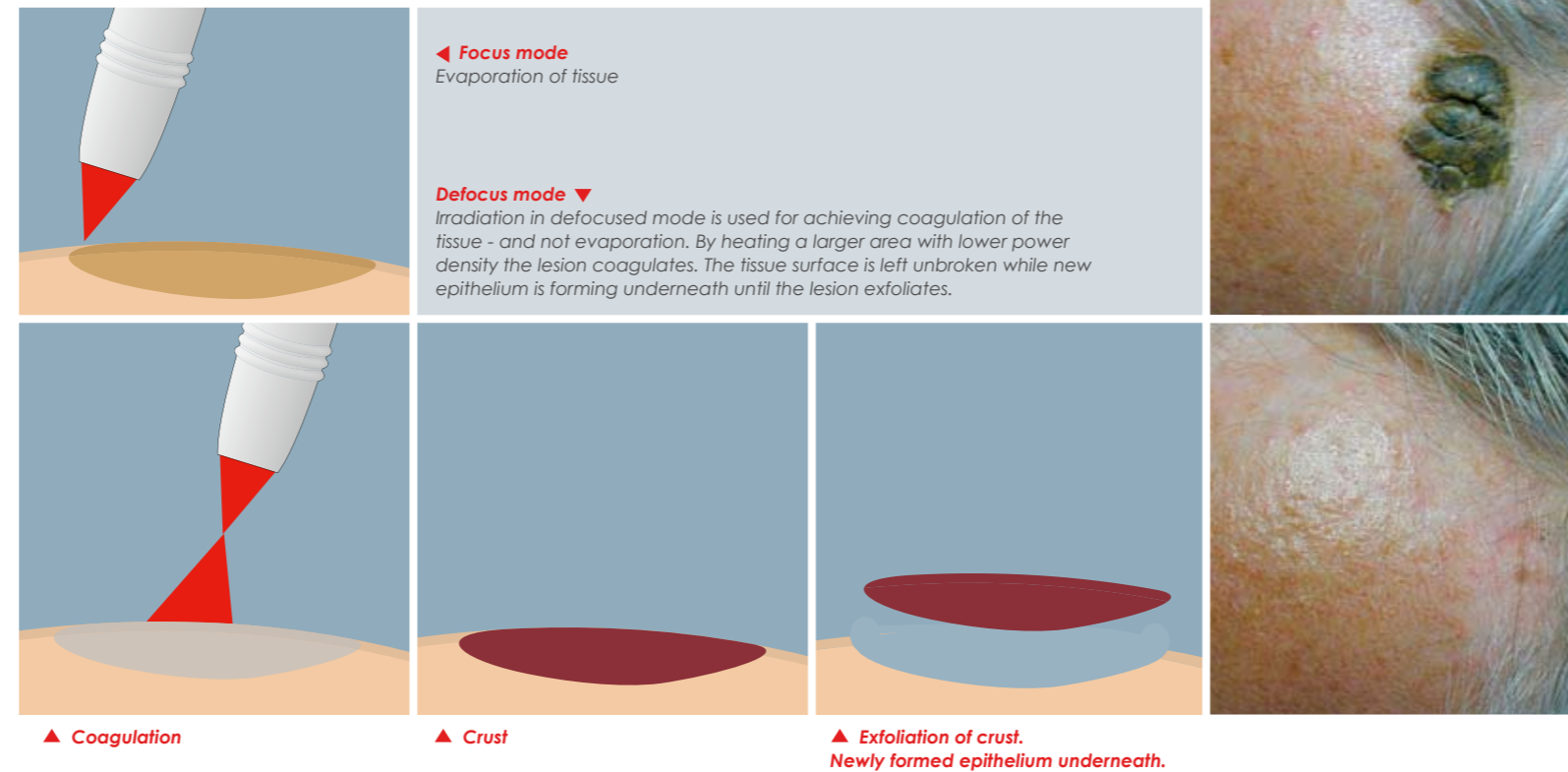
As an alternative to surgical removal the MedArt® 610 is an excellent tool to remove a variety of smaller lesions. The CO₂ laser energy coagulates the tissue at the same time as the lesion is removed. The lack of bleeding highly reduces the infection risk.

Flexible fibre

As one of the very few CO₂ lasers in the world the MedArt® 610 laser comes with a fully flexible fibre delivery system. This type of energy delivery system gives the operator 100% flexibility of movement during treatment and easy access to even small cavities. The fibre system makes it possible to work in focused mode for cutting and evaporation but also in defocused mode for coagulation. The defocused mode makes it possible to slowly heat a lesion for later exfoliation of the scab. This treatment method leaves the lesion as a protective crust while new epithelium is forming underneath.

The flexible fibre delivery system is easily inserted into the MedArt® 457 scanner, so within seconds you are ready to treat fast and evenly over large areas.

Freedom of movement with a flexible fibre system



MedArt®

Precise, fast and easy to use, the MedArt® 610 is an unsurpassed addition to the busy clinic.

Other applications

Oral surgery

CO₂ laser treatments form an important part of oral, mucogingival and parodontal surgery within the dental and maxillofacial fields. The ability of the laser to cut and coagulate at the same time makes it an indispensable tool for securing optimum treatment results, even in infected tissue. The laser beam is delivered through specially mirrored handpieces securing access at all angles.

Some of the lesions that can be treated

- Gingivoplasty
- Bone cavity sterilization
- Leukoplakia
- Excision of scars, warts and benign tumours
- Lichen planus, mucositis
- ... and many more

And more...

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

MedArt® 610 - vertical
The slim, elegant shape of the vertical position allows the laser to fit anywhere. The display allows for easy reading of treatment parameters.

MedArt® 457 scanner
The unique, small and handy tool for fast and secure treatments over large areas.

MedArt® 610 - horizontal
Choose the most convenient way for your laser to be placed in the clinic to fit your optimal treatment position.

Handpieces with mirrors:
These handpieces allow access to even small, intricately located cavities. With mirrors angled at 45, 90 or 120 degrees you can direct your laser beam anywhere.

15 or 20 Watt CO₂ laser MedArt® 610

Type No:	MedArt® 610
Laser type:	Continuous wave or pulsed CO ₂ laser · Laser Class 4 (IEC 825)
Max output power:	20 W
Wavelength:	10.600 nm
Target indicator:	Red indicator light through fibre (635 nm)
Fibre connection:	MedArt® Quick Safe Connect
Spot size in focus mode:	0.3 mm
Pulsed emission:	
- frequency range:	Min. 0.3 Hz/Max 100 Hz
- pulse width:	10 - 1000 millisecc.
Power supply:	Mains connection (100-240V or 50/60 Hz)
Size:	67.0 x 28.0 x 44.0 cm
Weight:	Approx. 1.6 kg with base
Safety class:	I type BF

Specifications are subject to change without notice.

Ergonomic scanner MedArt® 457

Type No:	MedArt® 457
Fading options:	Full fading / double-sided fading / one-side fading
Scan Pattern:	Circle / square / line
Scan size:	Min. (3 mm) / medium (6 mm) / max. (10 mm)
Scan time:	Min. (0.7 sec) / medium (1.0 sec) / max. (1.5 sec)
Dwell time:	700 µs, 1000 µs, 1500 µs
Start/stop function:	Foot switch on MedArt® 610
Indication of settings:	12 green LED indicators
Treatment distance:	27 mm from output lens
Power density:	Approx. 21 kW/cm ² at 15 W from MedArt® 610
Size:	12 x 11 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.

Fibre systems for 10.6 µm

Type No:	464000 - focal length 10 mm 465000 - focal length 20 mm (for use with handpieces with mirrors)
Mode of operation:	Continuous or intermittent
Optical wavelength:	10.600 nm
Abs. max. optical output power:	20 W
Optical efficiency:	>68%
Length:	1650 mm
Weight:	Approx. 300 g

Specifications are subject to change without notice.



PATENT PENDING

- Focus mode for tissue evaporation
- Defocus mode for tissue coagulation

