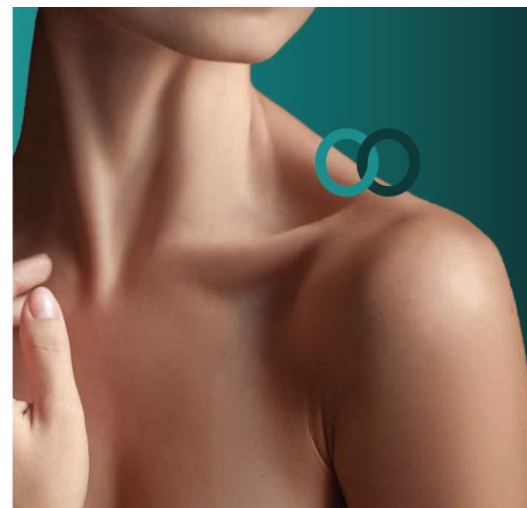


TOOsonix System ONE-M



Non-Invasive Skin Treatment

*Single-session
dermatological therapy
without anesthetics*

*Non-melanoma skin cancer
and a wide range of other
common skin diseases*

Fact sheet



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Denmark

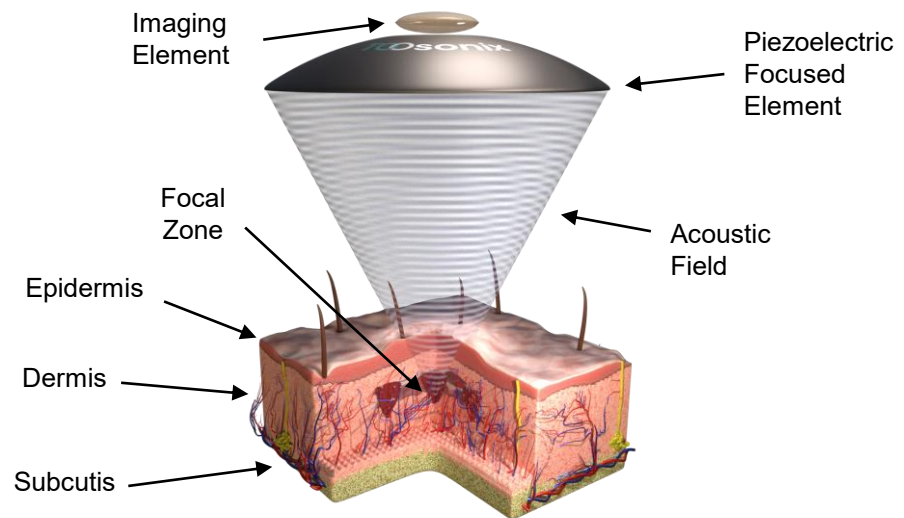
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*TOOsonix System ONE-M is a medical device for healthcare professionals.
TOOsonix System ONE-M is currently not for sale or distribution outside the CE-regulated region.*

Safe skin treatment

Non-invasive principle

Human skin therapy



A new enabler for dermatology

System ONE-M is your new enabler for dermatologic therapy, where high-accuracy treatments with high efficacy and low pain-level are key to your treatment success.

It is a new and complementary method to, or a replacement of, lasers, PDT, cryosurgery, surgery and several topical treatments that all have high risks, low success rate and high burden for the patient.

How it works

- Ultrasound is focused into a small confined point
 - A focal point is created inside the body without surgical methods
 - A momentary temperature increase forms locally within the focal point
- The local heating and mechanical stress kills/activates cells
 - The body's immune system is activated
 - A process of cell-repair and renewal of affected cells is started
- Treatments are performed non-invasively and with low pain-level
 - No need for anesthesia
 - No pre-treatment
 - No post-treatment



System ONE-M is operated with accurate real-time guidance of the area under treatment. Activation of HIFU is done from a footswitch to secure maximum freedom and control for the operator.

Versatile skin treatment

HIFU

Intended
Purpose

Indications

Counter-
indications

Intended purpose

System ONE-M is intended for treatment of the human epidermis and dermis layers by administering high-intensity focused ultrasound (HIFU) doses to small and confined volumes in the human skin.



Intended conditions (Indication for use)

System ONE-M is indicated for medical and aesthetic dermatological therapy including, but not limited to, the following general categories:

Medical indications

- Basal cell carcinoma
- Actinic keratosis
- Vascular hemangiomas and tumors of the skin
- Cutaneous NF1 fibromas (cNF)
- Verruca vulgaris (common warts)
- Condylomata acuminata (genital warts)
- Cystic acne and acne comedones
- Seborrhic keratosis / Seborrhic warts
- Superficial telangiectasia (spider veins)
- Sebaceous hyperplasia
- Other benign epidermal and cutaneous neoplasms of the human skin (e.g. hidrocystoma, Fox Fordyce Disease, Birt-Hogg Dubé syndrome, epidermal inclusion cysts, etc).

Non-medical (aesthetic) conditions

- Vascular lesions (cherry spots and venous lakes)
- Small acrochordons (skin tags)
- Solar lentigines (liver spots)
- Fine-line wrinkles
- Removal of smaller tattoos and tattoos not responding to laser removal
- Other aesthetic HIFU treatments of the human skin

(see IFU for full details)

Contraindications

System ONE-M is contraindicated for ophthalmic use or any use causing the acoustic beam to pass into the bulb of the eye; use on subjects less than 18 years at the time of the start of the treatment; female patients who are pregnant, may be pregnant, or lactating; treatment of larger areas with a broken skin barrier, e.g. an open wound or similar; treatment areas located above or adjacent to (<5 cm) an implant (active or inactive); treatment of subjects with known blood coagulopathy or excessive bleeding; treatments of subjects with a known history of abnormal scar formation (e.g. keloids).

Efficient skin treatment

Results

Before & After



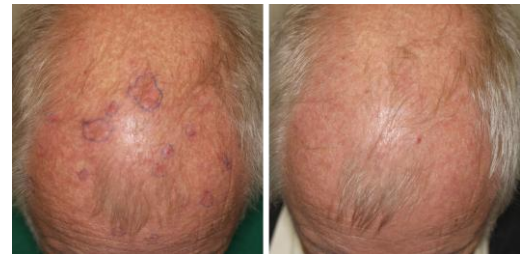
Unique treatment efficacy

- Clinical treatments can typically be completed in a single session
- Areas of diameter 5 - 50 mm are treatable
- Skin response is mild without bruising, prolonged erythema/edema, or pain
- No pain or down-time after treatment

Basal Cell Carcinoma



Actinic Keratosis



Sebaceous Hyperplasia



Cherry Angioma



Seborrheic Keratosis



Congenital Hemangioma



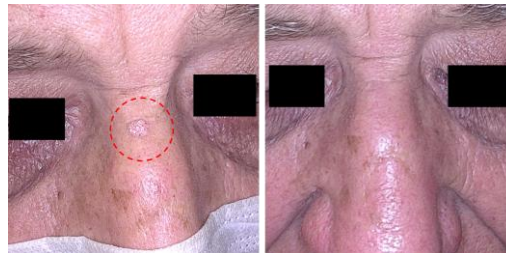
Quick skin treatment

Results

Before & After



Verruca Vulgaris



Condylomata Acuminata



Cutaneous Neurofibroma



Fox Fordyce Disease



Laser-resistant Tattoos



Apocrine Hidrocystoma



Profitable skin treatment

Customers

Clinic revenue

Profit generation

Profit generation from day-one

Four handpieces can be chosen for System ONE-M to get you started with your regular treatments from day-one



| Focal Point | Color Code | Handpiece Focal distance | Typical setting | Key features (depending on settings and treatment type) | Treatment Examples |
|-------------------|------------|--------------------------|-----------------------------|--|---|
| Superficial | Green | 0.8 mm | 150 ms 0.6 - 0.9 J | Ablative effect Quick healing | Flat Seborrheic Keratosis Flat and superficial Actinic Keratosis Solar Lentigines Small Sebaceous Hyperplasia |
| Upper dermis | Blue | 1.3 mm | 150 - 250 ms 0.6 - 1.0 J | Ablative effect Wound crust formation at medium shot coverage | Lightly keratotic Actinic Keratosis Superficial Basal Cell Carcinoma Slightly protruding Seborrheic Keratosis Cherry Angiomas Flat Verruca Slightly protruding Sebaceous Hyperplasia |
| Middle Dermis | White | 1.8 mm† | 150 - 400 ms 0.7 - 1.1 J | Semi-ablative effect Wound crust formation at dense shot coverage | Nodular Basal Cell Carcinoma Keratotic Actinic Keratosis Slightly protruding Seborrheic Keratosis Protruding Sebaceous Hyperplasia Cutaneous neurofibromas - Sessile, upper dermis Mild Verrucae |
| Deep Dermis | Yellow | 2.3 mm† | 250 - 400 ms 0.7 - 1.2 J | Non-ablative effect Typically no wound crust | Fine-line wrinkles Cutaneous neurofibromas - Mid-dermis Nodular Basal Cell Carcinoma |
| Stacked Treatment | Yellow | 2.3 mm | 150 - 500 ms 0.7 - 1.2 J | 1 st "Stacked treatment" | Thicker Verrucae (use 400-500 ms dosing) Nodular Basal Cell Carcinoma (use 150 ms dosing) |
| | Blue | 1.3 mm | | 2 nd "Stacked treatment" | |

"High frequency HIFU is the most versatile device for dermatology therapy brought to the market in decades.

It has the potential to become the preferred modality for an extremely wide range of different treatments in almost all dermatology clinics in the world"

*Professor Joergen Serup, Chief Physician
Department of Dermatology, Bispebjerg University Hospital, Denmark*

The difference to other methods

- Cryotherapy is uncontrollable and inefficient
 - Uncontrolled and highly operator-dependent penetration depth
 - Post operative pain, scar formation, and dyspigmentation
- CO₂ lasers are ablative and create open wounds
 - Long healing time
 - Post operative pain, scar formation, and dysplasia
- Switched lasers depend on energy absorption in the target content
 - Heating and treatment depth is not controllable
 - Pain level is very high
- PDT is slow and painful
 - Low efficacy
 - Slow, costly and painful treatment for both patients and clinics
- HIFU for aesthetic purposes devices have very large focal points
 - Designed for treatment zones in the deep dermis and subcutis
 - Method cannot treat isolated indications in dermis and epidermis

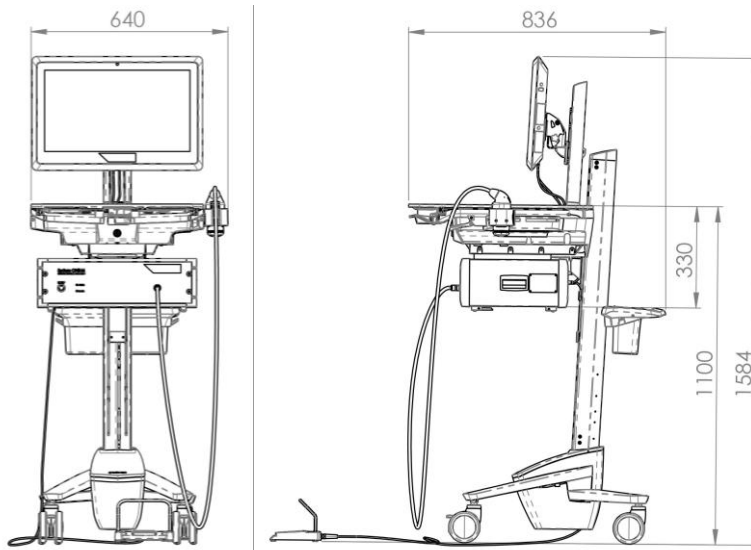
Documented skin treatment

Spec

System

Handpiece

Regulatory information



| Parameter | Description |
|--|--|
| Overall system | |
| Electrical appliance classification (IEC 60601-1:2006) | Class I (Protective Earthing) |
| EMC / EMI classification (IEC CISPR11:2015) | Group 1 Class A (Ultrasonic Therapeutic equipment, clinical and residential use) |
| Life-time of combined system | 5 years |
| Warranty of combined system and its units | 1 Year |
| Mains cable length | 2 m |
| Mains cable type | IEC 60320 compatible |
| Input rating | 230 V 50 Hz 1.5 A |
| Operating conditions | 15 - 30 °C 10 - 75 %RH max 2000 m altitude Non condensing |
| Storage and Transport conditions | 0 - 50 °C 5 - 95 %RH 500 - 1060 hPa Non condensing |
| Dimensions (maximum height x width x depth) | 160 x 65 x 85 cm ³ |
| Total weight of system | 60 kg |
| Handpiece ONE-M - Applied Part | |
| Applied Part Classification | Type B |
| Cable Length | 2 m |
| Cable jacket material | Medical Grade Silicone |
| Integrated optical feed | 1280px x 960px |
| Total energy credit | 30 kJ/handpiece |
| Typical treatment capability | 600 - 700 lesions/handpiece |
| Nominal focal depth range (4 options) | 0.8; 1.3; 1.8; 2.3 mm |
| HIFU operating frequency range | 20 MHz ±10% |
| Maximum shot duration | 500 ms ± 10% |
| Maximum acoustic power | 9 W ± 15% |
| Maximum acoustic energy | 1.3 J ±15% |
| Total energy credit | 30 kJ |
| Ingress protection rating | IPX1 Transducer head IPX7 |
| Weight | 700 g |
| Compliance, standards and regulations | |
| Certification type | CE certificate |
| Regulation | MDR 2017 / 745 (EU) |
| Risk Classification | Class IIa |
| Basic safety and essential performance | IEC 60601-1:2005 + A1:2012 + A2:2021 |
| EMC | IEC 60601-1-2:2015 + A1:2021 |
| Acoustic safety | IEC 60601-2-62:2015 |
| Software | IEC 62304:2006 + A1:2015 |
| Usability | IEC 60601-1-6:2010 + A1:2013 |
| Usability | IEC 62366-1:2015 + A1:2020 |
| Country of Origin | Denmark |

About TOOsonix



MISSION

Create better lives with high frequency ultrasound therapy

VISION

One TOOsonix system in every hospital and dermatology clinic

FOUNDED AND FUNDED

2017
by HIFU and
business veterans

TREATMENTS

25+
Relevant indications
identified

LOCATION

DTU Science Park
Copenhagen
Denmark

CUSTOMER BASE

Private Dermatology
Clinics and
Public Hospitals



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TOOsonix has been ISO13485:2016 certified since 2018