


handpico

THE WORLD'S FIRST AND ONLY
PICOSECOND HANDPIECE



HANDPICO.COM

LASER in picoseconds
Nd:YAG 1,064 nm and 532 nm

 **vyndence**
medical

handpico

EXCLUSIVELY AVAILABLE
FOR THE WORLD'S MOST
VERSATILE LASER PLATFORMS:
ETHEREA-MX® E ZYE®.

etherea^{MX} Z Y E



INCREASED STABILITY, LESS MAINTENANCE

Much lower maintenance cost and complexity because it doesn't have an articulated arm, reducing the need for constant realignment, calibration, and maintenance.



**PORTABLE
HANDPIECE**



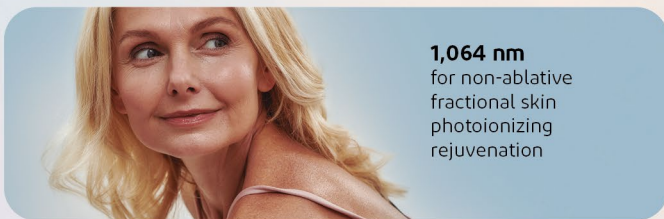
**NO WARM-UP
TIME**



**CONSUMABLES FREE
AND LOWER INVESTMENT**

2 WAVELENGTHS AVAILABLE

Ensuring even more versatility for different treatment indications:



1,064 nm
for non-ablative
fractional skin
photoionizing
rejuvenation



1,064 nm and 532 nm
for tattoo removal

INDICATED FOR ALL PHOTOTYPES AT ANY TIME OF THE YEAR.

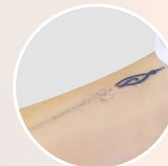
Safe treatment, that can be widely indicated and adapted to each patient's routine and lifestyle with no restrictions.



NON-ABLATIVE
FRACTIONAL SKIN
PHOTOIONIZING
REJUVENATION



BENIGN
PIGMENTED
LESIONS

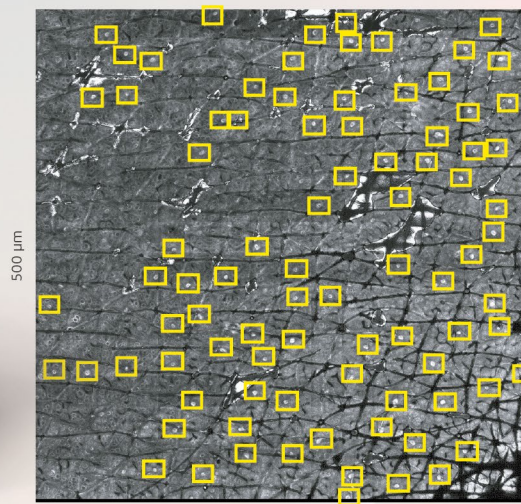
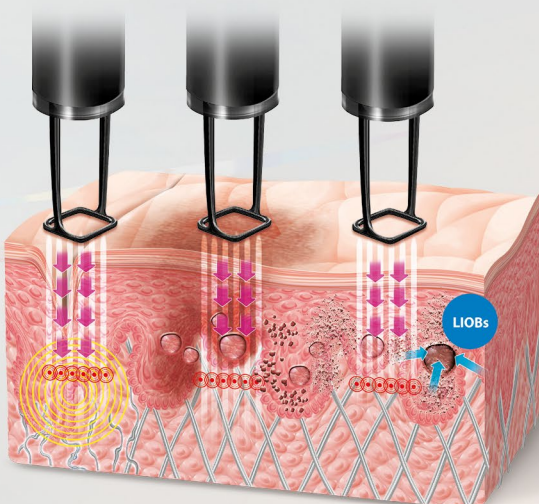


TATTOOS AND
MICROPIGMENTATION
REMOVAL

PLUS:

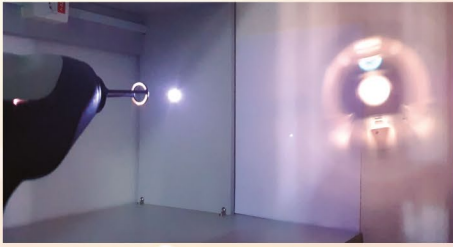
MELASMA
ACNE SCARS

LIOBS FORMATION IS A NECESSARY EFFECT FOR TREATMENT EFFECTIVENESS IN PICOSECONDS



Confocal microscopy performed by Professor Dr. Francisco Paschoal, dermatologist and professor at the ABC Medical School, Brazil.

*Yeh YT, Peng JH, Peng P. Histology of ex vivo skin after treatment with fractionated picosecond Nd:YAG laser in high and low-energy settings. J Cosmet Laser Ther. 2020;22(1): 43-47. doi: 10.1080/14764172.2019.1710536. Epub 2020 Jan 3. PMID: 31900067.

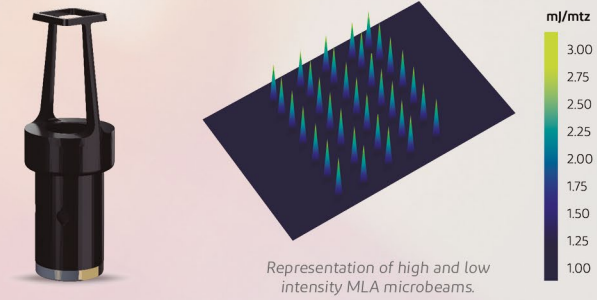


PHOTOIONIZATION EFFECT

Cellular ionization induces LIOBs formation (LASER-Induced Optical Breakdown) or cavitation vacuoles, stimulating neocollagenesis with no thermal interaction.

MLA FRACTIONAL SPOT

MLA (Micro-Lens Array) micro fractional spot with high precision top hat profile in the formation of LIOBs, combining ultrashort pulse time at 530 ps with high output energy and high peak power, interspersed with lower intensity areas between fractional microbeams.



TWO DIFFERENT TREATMENT MODES THROUGH MLA OPTICAL MICRO FRACTIONATION, THAT ADAPT TO THE PATIENT'S NEED:

NON-ABLATIVE MICRO FRACTIONAL PICOTONING®

The smooth, downtime-free rejuvenation promoted by the Micro Fractional PICOtoning® mode aims to homogenize the skin surface, removing mild spots and improving tone and appearance while increasing brightness and bringing more vitality to the tissue. The treatment is performed during lunch time and there is no restriction or interruption to the patient's routine.



Images courtesy of Dr. Emerson Alves - Dermatologist - Brazil

MULTILAYER NON-ABLATIVE FRACTIONAL INTENSEPICO® SKIN REJUVENATION

The intradermal photoionization effect of the IntensePICO® mode causes a cascading inflammatory effect for a more intense remodeling of the tissue, acting with controlled aggressiveness, simultaneously in all skin planes, inducing the immediate collagen denaturation in the dermal-epidermal junction and removing pigmented lesions on the surface.



Images owned by VYDENCE® Medical

VARIABLE PULSE TIME IN PICO (530 PS) OR NANOSECONDS (2.5 NS)

for best results in removing tattoos and pigments.



NON-ABLATIVE FRACTIONAL SKIN REJUVENATION



BEFORE



AFTER 3 SESSIONS



BEFORE



AFTER 5 SESSIONS

PIGMENTED LESIONS



BEFORE



AFTER 1 SESSION



BEFORE



AFTER 1 SESSION

TATTOO REMOVAL



BEFORE



AFTER 4 SESSIONS



BEFORE



AFTER 7 SESSIONS

SPOTS

1,064 nm	532 nm
3 and 5 mm	3,5 mm
6x6 (MLA)	—

TECHNICAL SPECIFICATIONS

Wavelength	1,064 nm e 532 nm
Maximum Energy	500 mJ
Operation Mode	ps and ns
Pulse Duration	530 ps and 2.5 ns
Repetition Rate	10 Hz