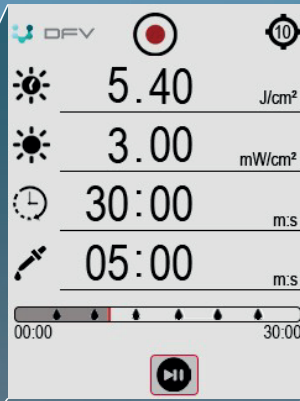
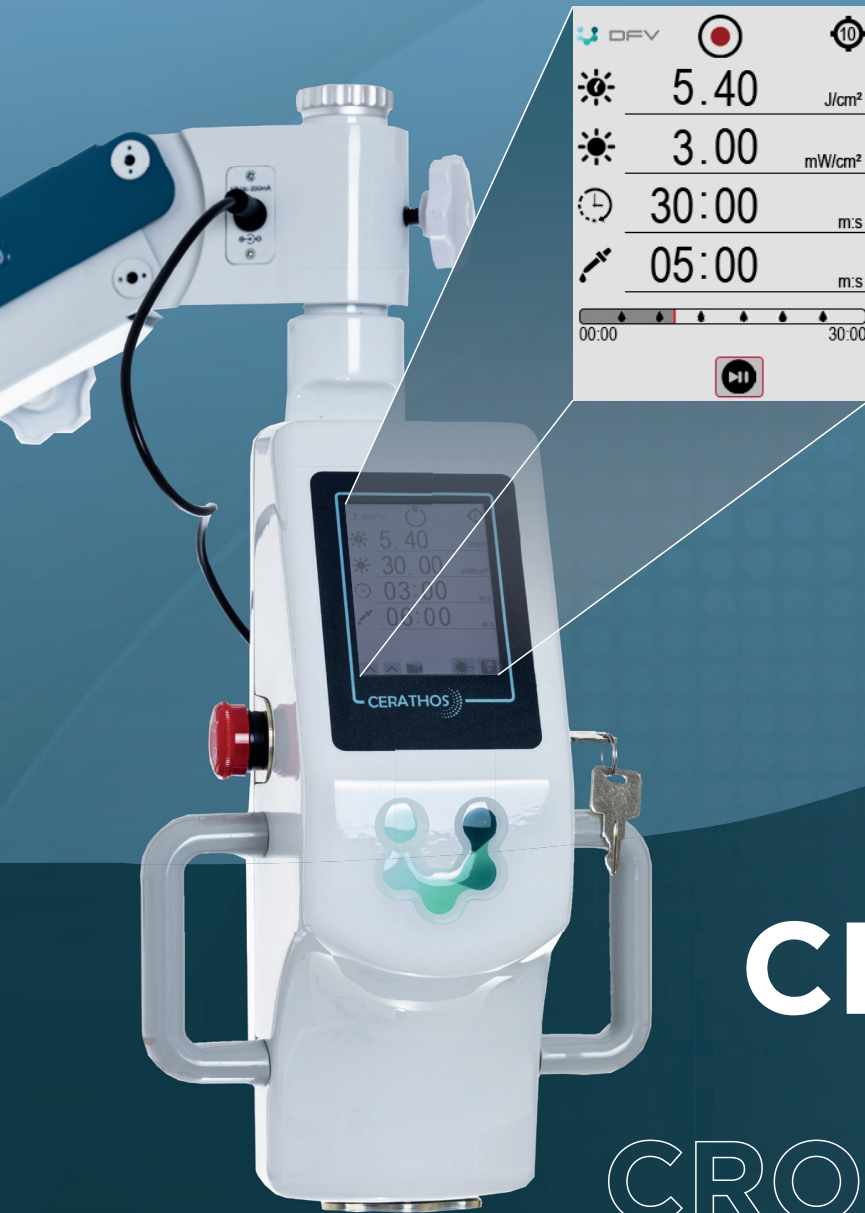




DFV



CERATHOS

For Corneal Collagen
CROSSLINKING
procedure

The DFV CERATHOS was designed with state-of-art technology to provide safe and effective treatment. Its optical system was developed to provide a safe and homogeneous dose of energy to the cornea to be treated. It has a dedicated microprocessor system that controls all functions and monitors the amount of energy emitted by the equipment, in addition to being versatile and accurate!



TECHNOLOGY

- Dedicated microprocessor system;
- Commands integrated into the console;
- Agility in the adjustment of parameters on the touch screen;
- Independent aiming system;
- Integrated color camera;
- Treatment evolution bar.

RELIABLE

Power control with automatic calibration and certified reliability in medical safety standards evaluated by Anvisa.

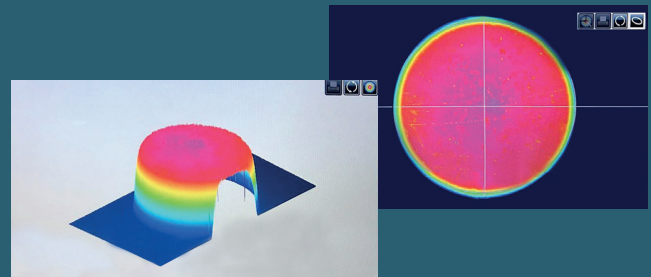
HIGH PRECISION

Power is evenly distributed over the entire treatment area

- 635nm cross-shaped laser sight that unites at the focus. It results in agility to adjust the patient's position.



- "Top hat" homogeneous beam profile



VERSATILE DEVICE

1 EMERGENCY SWITCH:

When this switch is pressed, the equipment enters the State of Emergency. The ultraviolet beam is disabled, an audible alarm sounds, and the equipment will become inoperative. To exit the Emergency State, turn the Emergency Key clockwise;

2 TOUCH SCREEN DISPLAY:

Displays all the data necessary for the user to carry out the treatment procedures and functional adjustments of the equipment;

3 SWITCH: ON (I) / OFF (O):

Turn the device on and off;

4 GAUNTLET:

To adjust the position of the console under the patient;

5 UV RADIATION OUTPUT:

Point at which ultraviolet light is emitted. The patient should be positioned 90mm away.



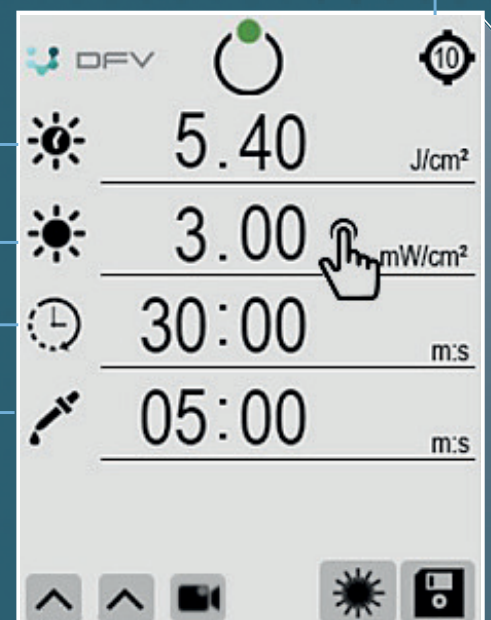
5 Spot selector (6, 8 e 10mm)

1 Energy density from 5,4 to 7,4 J/cm²

2 Irradiance from 3 to 30mw/cm²

3 Treatment time from 3 to 30 minutes

4 Drop counter according to the drug's determined time (see manufacturer)



TECHNICAL TABLE



Aiming system	Red led 635nm
UV emitter	Led UV 365 nm
Radiance	Up to 30 mW/Cm2
UV spot diameter	6, 8e 10mm
Treatment duration	3 to 30 minutos
Energy density	5,4 to 7,4 J/cm2
Distance from wrok	90 mm
Image transmission	Color analog camera
Display	Color, touch screen
Interlock system	Integrated into the console
Supply	90 - 240v, 50/60Hz auto
Had weigth	2,5kg
Total weight	60kg

Operational features:

- Auto programming according to the adjusted beam diameter;
- Emergency Key;
- 65K color TFT display;
- Touchscreen - Activation of commands through a simple touch on the display;
- Video camera with analog output available.



Registro
Nº 80631670010



- Meets safety requirements compatible with ophthalmic lasers such as IEC-60601-1 and IEC-60601-2-22.



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