

NORLASE®



# ECHO®

Pattern Laser  
Reinvented



# ECHO® GREEN PATTERN LASER SYSTEM

The Norlase® ECHO® is the world's first portable pattern scanning laser photocoagulator. It attaches directly to any compatible slit lamp, making pattern laser treatment more accessible, anytime, anywhere.

## FIBERLESS

ECHO mounts directly on your existing slit lamp, eliminating the need for an unreliable fiber cable.

## FULL PATTERN PALETTE

Patterns include:

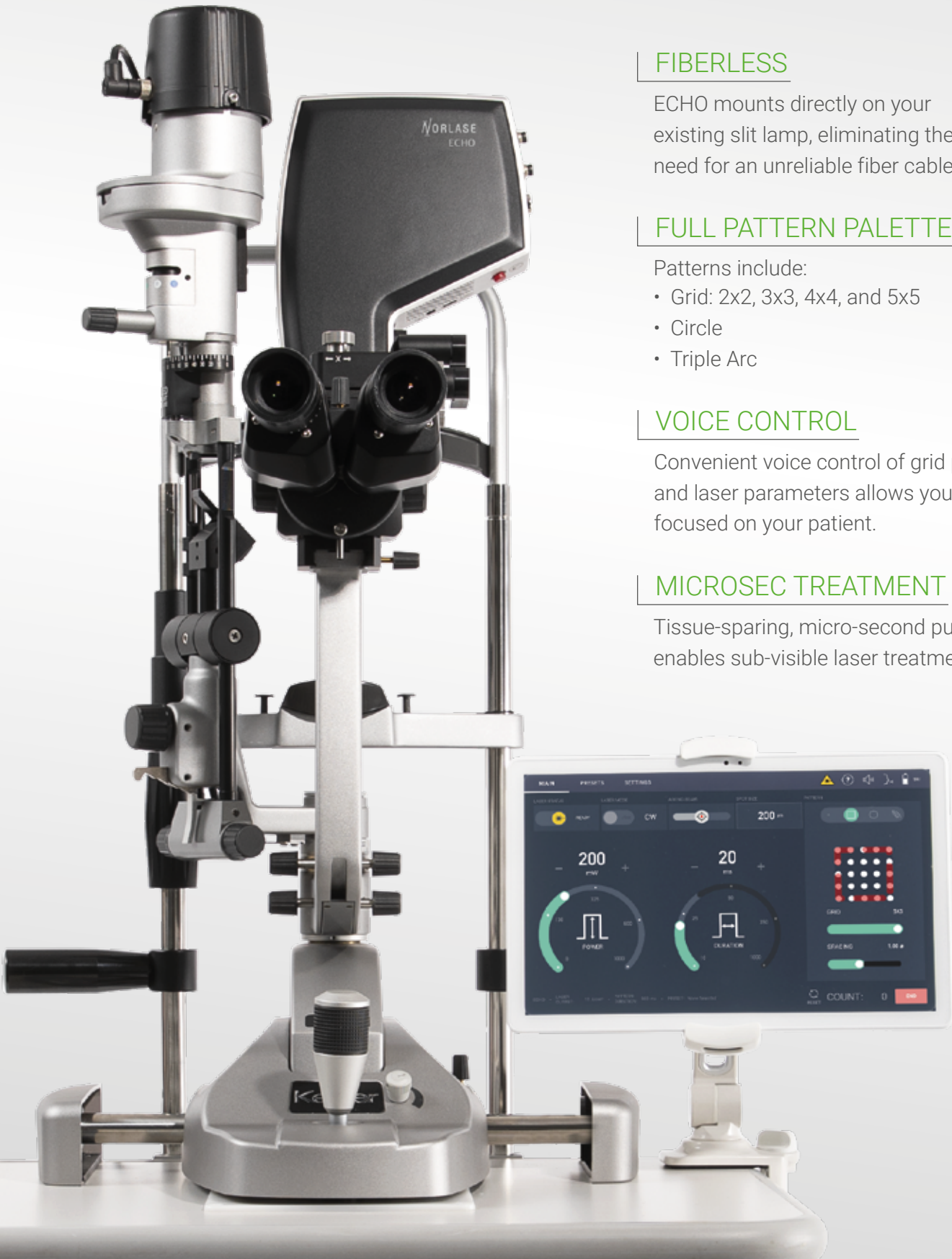
- Grid: 2x2, 3x3, 4x4, and 5x5
- Circle
- Triple Arc

## VOICE CONTROL

Convenient voice control of grid patterns and laser parameters allows you to stay focused on your patient.

## MICROSEC TREATMENT

Tissue-sparing, micro-second pulsing enables sub-visible laser treatment.



# PATTERN LASER & DELIVERY DEVICE ALL-IN-ONE

ECHO combines the ultra-compact Norlase laser engine with industry-first MEMS pattern technology. Its integrated design eliminates the need for bulky tables and cumbersome cables, offering true portability and treatment flexibility.



## INDUSTRY-FIRST MEMS TECHNOLOGY

Micro-Electro-Mechanical System (MEMS) technology provides the miniaturization needed to put the power of pattern scanning in the palm of your hand.



## ULTRA-PORTABLE

You're no longer confined to a dedicated laser room and can easily mount ECHO on any compatible slit lamp in any room.



## AFFORDABLE

At a compelling price point, expanding your retina or glaucoma practice with pattern laser treatment solutions has never been more accessible.

## THIS IS THE PATTERN LASER!

With ECHO, pattern laser treatment no longer requires large consoles, additional delivery devices, or heavy instrument tables. ECHO allows you to treat retina and glaucoma patients anywhere you have access to a compatible slit lamp.



# ABOUT NORLASE

At Norlase, we have a relentless focus on innovation. We build next-generation technology that helps doctors improve practice efficiency.

In addition to ECHO, the Norlase family of green lasers also includes LEAF, the ultra-compact single spot laser photocoagulator, and LION, the first-of-its-kind, battery-powered Laser Indirect Ophthalmoscope.

Norlase is committed to providing exceptional customer service and product support through dedicated employees and distribution partners.

## SPECIFICATIONS

### Treatment Beam

Type	Semiconductor Laser
Wavelength	520 nm (Green)
Power Output (CW)	0 – 1000 mW
Patterns Available	Single Spot, Grid (2x2, 3x3, 4x4 5x5), Circle & Triple Arc
Pulse Durations	100 µSec – 1000 ms
Pulse Intervals	Off, 50 ms to 3000 ms
Spot Sizes	50, 100, 200, 300 & 500 µm
Pattern Spot Sizes	100, 200, 300 & 500 µm
CDRH Classification	Class IV
European MDD Laser Classification	Class 4
Input Voltage	100 – 240 VAC 50/60Hz
Optional µSec Mode	5%, 10%, 15% and Custom Duty Cycles

### Aiming Beam

Type	Class 2 / Semiconductor Laser
Wavelength	635 nm
Power Output	< 1 mW

