

**vitra** ™  
multispot laser

Your Future Multispot Laser



**532 nm Photocoagulator Laser**

 **Quante!**  
medical



**vitra**™  
multispot laser

Quantel Medical's cutting edge laser technology has brought constant and multiple innovations to retinal physicians worldwide since 1993.

Vitra Multispot is a 532 nm photocoagulation laser that adapts to Haag Streit type slit lamps. It offers a large choice of patterns improving the photocoagulation experience for both patient and physician.

## Vitra Multispot: enter the pattern scan era!

### ● Short pulse durations: 10-20 ms

- Less heat diffusion to the retina and choroid
- Less collateral damage to surrounding tissue
- Comfortable treatment better tolerated by patients
- Extremely fast treatment (full PRP in 2 sessions only)
- Shorter laser sessions (compared to "classic treatments")

### ● A pattern for each practice / pathology

#### Squares / Lines:



Possible application:  
PRP in the mid periphery

#### Circles:



Partial Complete  
Possible application:  
Retinal tears

#### Triple arcs:

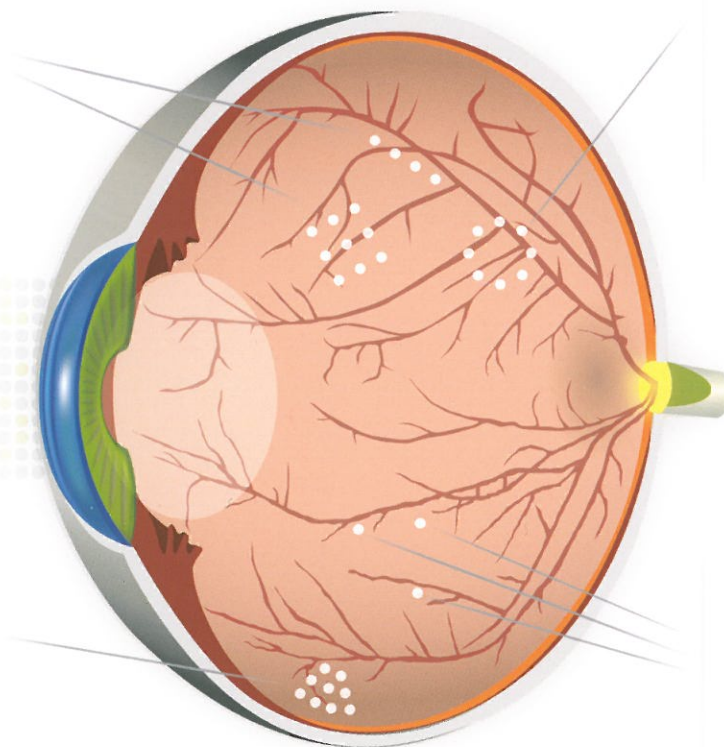


Possible application:  
PRP in the far periphery

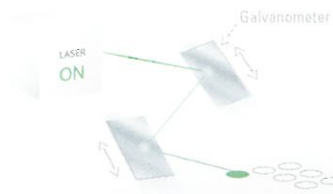
#### Monospot:



Possible applications:  
- Titrate  
- Finishing touches  
- Classic treatments



## Vitra Multispot: technology



### ● Electronically controlled laser emission

#### “Start and Stop” principle

As opposed to continuous emission pattern lasers, Vitra Multispot does not use galvo mirrors to control pulse duration:

- The laser beam is always perfectly centered in the fiber
- Each laser pulse is generated and controlled by the laser itself
- Each pattern is produced by two galvo mirrors which direct each electronically controlled laser spot

This smart technology choice ensures excellent spot-to-spot laser burn consistency. Fluence is controlled and consistent for each spot.

#### Vitra Multispot controlled laser emission

Fiber input 

Fiber output 

Power distribution 



#### Conventional scanners use a third galvo mirror to manipulate pulse duration at the expense of power control

Fiber input 

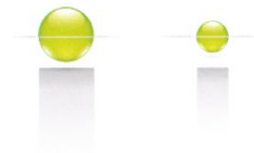
Fiber output 

Power distribution 

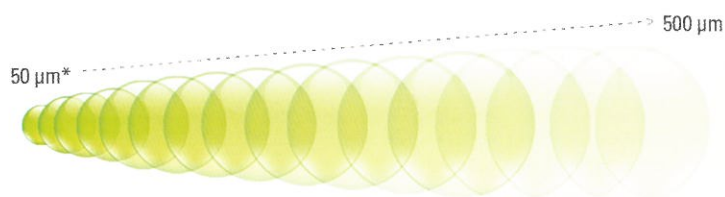


### ● Parfocal zoom

Perfect homogeneity of each laser spot with Top Hat power distribution.



### ● Continuously variable spot size



\* single spot: 50 μm to 500 μm  
multispot: 100 μm to 500 μm

## Vitra Multispot: ease of use



Control settings with an analog knob, touch screen or hands-free via the foot-switch



Control patterns (size, orientation...) with the Vitra remote click wheel on your slit lamp table

## Vitra Multispot: versatility

### 4 laser delivery system options

#### Multispot slit lamp adapter compatible with:

- Quantel Medical slit lamp
- Haag Streit BM/BQ 900
- Most of the Haag Streit clones



#### Endoprobes:

- 20 G
- 23 G
- 25 G



#### Welcome page



#### OR microscope adapters compatible with:

- Zeiss type
- Leica type



#### Laser indirect ophthalmoscopes:

- Heine 180 (integrated laser adapter)
- Keeler Vantage Plus (external laser adapter)



## Vitra Multispot: transportable





led

PATTERN SELECTION

vitra

vitra

Gentle FOOT

+

# vitra<sup>TM</sup>

multispot laser

## TECHNICAL SPECIFICATIONS



### VITRA MULTISPOT SPECIFICATIONS

Laser:	Frequency doubled Nd :YAG, 532 nm
Power at tissue up to:	<b>1500 mW</b>
Pulse duration:	10 ms to continuous
Aiming beam:	635 - 650 nm
Size:	14.5 (H) x 18.5 (W) x 30 (D) cm 5.7" (H) x 7.3" (W) x 11.8" (D)
Weight:	4.7 kg – 10.4 lbs
Cooling:	by Peltier effect
Power requirements:	100 to 240 VAC, 250 VA, 50/60 Hz

### DELIVERY SYSTEMS

#### Multispot slit lamp adapter

Patterns:	square, circle, triple arc, line, single spot
Single spot modes:	single, repeat, painting, continuous
Slit lamp compatibility:	Quantel Medical slit lamp, Haag Streit 900 BM & BQ and clones Compatibility list on request available
Spot size:	single spot: 50 µm to 500 µm multispot: 100 µm to 500 µm

#### Laser indirect ophthalmoscopes

Heine 180 (integrated laser adapter)  
Keeler Vantage Plus (external laser adapter)

#### Endoprobes

20 G  
23 G  
25 G

#### OR microscope adapters

Zeiss type  
Leica type

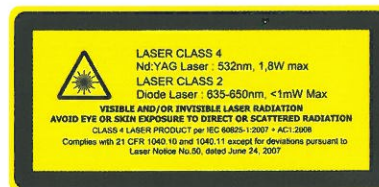
### AVAILABLE MODELS

Vitra Multispot (including laser and adapter)  
Vitra Multispot complete configuration (including laser, adapter, table and slit lamp)

*Specifications are subject to change without notice.*

[www.quantel-medical.com](http://www.quantel-medical.com)

Designed and Manufactured by Quantel Medical in France



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ISO 9001-13485

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