



# Gemini<sup>®</sup> System

## Product Specifications\*

<b>Type</b>	Nd: YAG	KTP
<b>Wavelength</b>	1064 nm	532 nm
<b>Fluence</b>	Up to 990 J/cm <sup>2</sup>	Up to 100 J/cm <sup>2</sup>
<b>Pulse Duration</b>	10 to 100 Milliseconds	10 to 100 Milliseconds
<b>Pulse Rate</b>	Up to 4 Hz	Up to 4 Hz
<b>Delivery Devices/Spot Sizes</b>	VersaStat i™: 1 to 5 mm, adjustable in 0.1 mm increments VersaStat i 10 mm™	VersaStat i™: 1 to 5 mm, continuously adjustable in 0.1 mm increments VersaStat i 10 mm™
<b>User Interface</b>	Touchscreen Display available in: English, French, German, Italian, and Spanish	
<b>Aim Beam</b>	<5 mW @ 635 ± 10 nm, adjustable	1 or 2 mm
<b>Electrical Power (requires dedicated circuit)</b>	200-240 VAC / 30 Amps, 50 or 60 Hz	
<b>Laser Cooling System</b>	Internal, water-to-air cooled	
<b>VersaStat Chilling System</b>	Parallel Contact Cooling	
<b>Weight</b>	37-48° F / 3-9 ° C internal temp in 72 ° F / 22 ° C room	
<b>Dimensions</b>	320 lbs / 145 kgs	
	Length 30 in / 77 cm	
	Width 18 in / 46 cm	
	Height 48 in / 122 cm	
<b>Warranty</b>	One year parts and labor from date of installation or shipment.	
<b>CDRH Classification (U.S.)</b>	Class IV	

\* Specifications are subject to change



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## IRIDEX

The beauty of precision™


AESTHETICS



# Gemini<sup>®</sup> Multi-Application Laser System

Precision, Versatility, and Power





# Gemini<sup>®</sup> Laser System

## The First Choice for Practice Expansion

Performs 93% of the most common cosmetic laser procedures

The Gemini laser system's unsurpassed selection of applications offers a complete, proven, and safe solution for the widest array of treatments for the broadest range of practices.

- 28 FDA-cleared indications
- 532 nm and 1064 nm wavelengths
- 42 available spot sizes in a single integrated system
- Continuous parallel contact cooling
- Ergonomic handpiece design

Gemini gives you the precision, versatility, and power to achieve optimal results.

Gemini applications include:

### **Vascular lesions**

- Telangiectasia
- Rosacea
- Cherry angiomas
- Spider angiomas
- Venous lakes
- Blue facial veins
- Hemangiomas
- Red port wine stains
- Blue/purple port wine stains
- Neovascularization

### **Pigmented lesions**

- Lentigines
- Dermatitis papulosis nigra
- Freckles
- Poikiloderma of Civatte
- Melasma

### **Cutaneous lesions**

- Verruca
- Keratoses
- Skin tags

### **Acne vulgaris**

### **Leg veins**

- Red leg veins
- Blue leg veins

### **Rejuvenation**

- Dyschromia
- Skin texture
- Wrinkles

### **Hair removal**

- Permanent hair reduction
- Pseudofolliculitis barbae





# Precision

- Variable spot sizes allow you to treat more precisely, without collateral damage to surrounding tissue
- Utilize 10 mm for larger, deeper targets and quicker treatment times
- Can treat all skin types from I to VI
- Choice of laser wavelengths helps optimize clinical outcomes

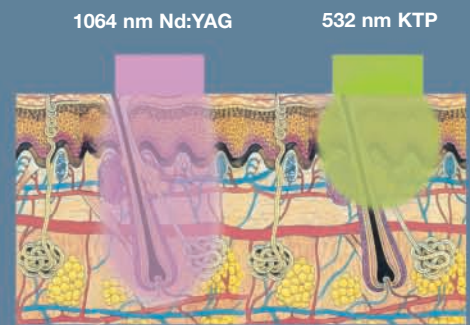
# Versatility

## 28 FDA-Cleared Indications

- Performs 93% of the most common cosmetic laser procedures

## 2 Distinct Laser Wavelengths

- 532 nm KTP
  - The most powerful 532 nm aesthetic laser available
  - Provides superficial penetration, making it ideal for acne and superficial vascular, pigmented, and cutaneous lesions
- 1064 nm Nd:YAG
  - Deep penetration optimizes treatment for leg veins and hair removal



Dual Laser Wavelengths

## 42 Spot Sizes

- 10 mm spot size of the 532 nm laser wavelength for larger, deeper targets and faster treatment times (VersaStat™)
- From 1 to 5 mm at 0.1 mm increments for precision treatment of smaller targets (VersaStat-7™)
- Optional DermaStat™ handpieces available in 1 mm and 2 mm



10 mm



1-5 mm

# Safety

## Eliminate overtreatment

- Precision treatment allows you to optimize energies while minimizing risk of overtreatment

## Protect skin continuously

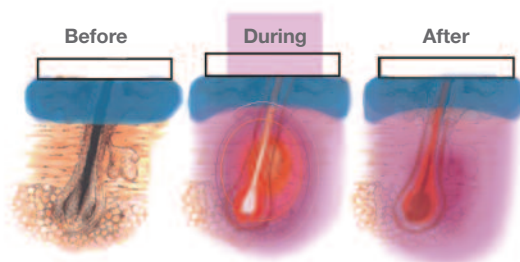
- Cool before, during, and after each pulse for optimal epidermal protection and patient comfort

## Treat all skin types

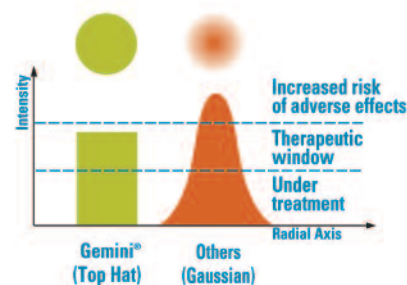
- 532 nm KTP can be used on skin types I-IV while 1064 nm Nd:YAG can be safely used on all skin types\*

## Deliver energy evenly

- Flat-top beam profile provides uniform energy distribution, eliminating hot spots



Parallel Contact Cooling



Flat-Top Beam Profile

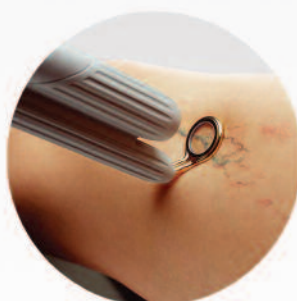
# Ease of Use

## Change settings easily

- Adjust all relevant parameters from user-friendly touchscreen

## Hold handpieces comfortably

- Lightweight, ergonomic handpieces offer exceptional comfort
- Open window design enables superb view of lesion during treatment
- No disposables or accessories



VersaStat Adjustable Handpiece



10 mm VersaStat

\*Safe treatments require appropriate choice of parameters following clinical training.

# The Advantages Are Clear

## 532 nm KTP advantages

- Optimal pigment absorption enables exceptional pigment and vascular results
- Industry's largest 532 nm KTP spot size promotes superior speed and penetration
- Purpura-free treatments

## 1064 nm Nd:YAG advantages

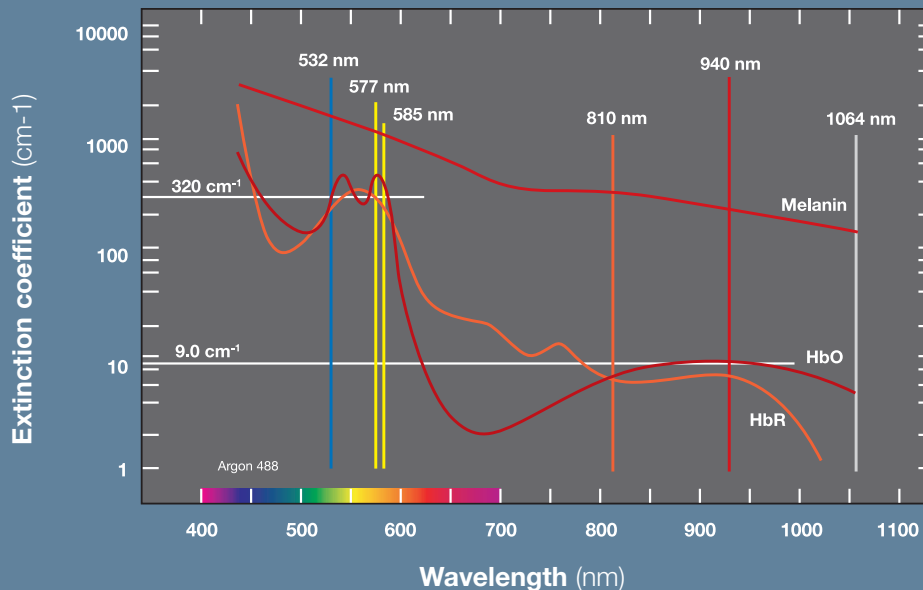
- When combined with epidermal cooling, precise spot size selectivity enables superb leg vein results
- Deep, safe heating for well-controlled dermal injury encourages skin tightening and wrinkle reduction

## Superior skin rejuvenation results

- Target hard-to-treat lesions with a precision spot, before treatment of the greater area

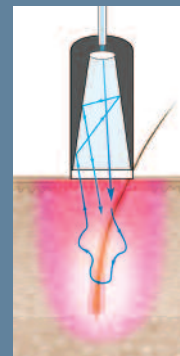
## Extinction Coefficient vs. Laser Wavelength

Adapted from Mainster, Bursell; Ophthalmology 1986;93:952-958



## Photon Recycling

- Unique photon recycling process redirects scattered energy back into the tissue
- Increases energy efficiency for improved photorejuvenation



# Superior Results

## Wrinkles

Before

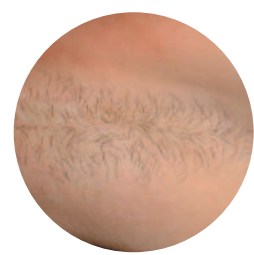


After



## Permanent Hair Reduction

Before

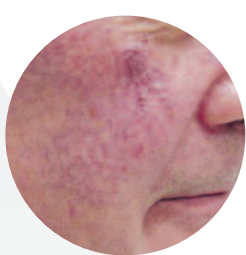


After

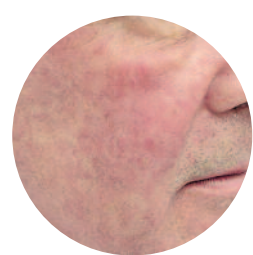


## Matted Telangiectasia

Before



After



## Acne

Before

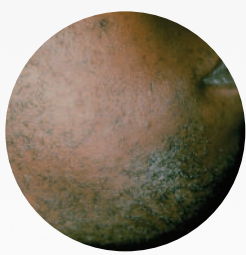


After



## Pseudofolliculitis Barbae

Before

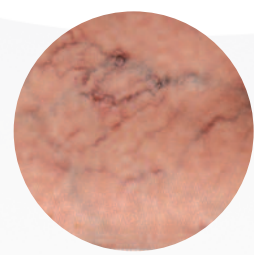


After



## Leg Veins

Before



After

