

LASER DIODE PHOTOCOAGULATOR

# DC-3300

Eye & Health Care





## DC-3300

## Flexible & Versatile

### Multipurpose Delivery

The Nidek new multipurpose delivery is designed to allow you to broaden your treatment options: from standard laser photocoagulation to transpupillary thermotherapy (TTT). You can manually adjust the spot size ranging from 100 $\mu$ m to 3000 $\mu$ m (mainly for TTT) according to your patient's symptom. The laser exposure time can be also adjustable from 0.02 sec to 600sec (intended for TTT) as you want. This wide variety of treatments can be accomplished with only this multipurpose delivery which assures you of high performance and high cost efficiency.

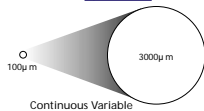


Multipurpose Delivery



For Nidek SL-1600

### Spot Size



### Output Power & Exposure Time



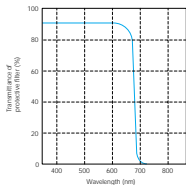
A Multipurpose delivery for Zeiss 30SL is also available.

## 808nm Laser Diode

The Nidek DC-3300 utilizes 808nm laser diode and a true continuous wave (CW) to achieve maximum output power of 2000mW (the output power varies according to the delivery systems) for various photocoagulation procedures. The DC-3300's laser diode has a substantially longer life than Argon or Krypton lasers. Since operational parts in the DC-3300's main console are very few, the Nidek DC-3300 offers trouble-free performance, high durability and low operating costs.

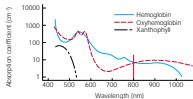
## Clear Field of View

The protective filter, (which blocks the infrared laser beam only) is fixed inside the observation optical path, and does not impair the operator's view or generate operating noise.



## Superiority

The low absorption of laser diode by xanthophyll and hemoglobin allows photocoagulation around the macula, reducing the possibility of hemorrhage during PRP. In addition, scattering of long wavelength laser diode energy is reduced, an advantage in treating patients with optical media opacities.



\* Shuji Kusaka, Torao Imai, Kenji Sakagami, Kokuchu Cho, Endophotocoagulation Treatment using a Laser Diode, Ophthal. Jap.31: 1557-1560, 1989

# DC-3300

## Compact & Lightweight

The lightweight (6kg/13.2lbs), compact (220 (W) x 297.7 (D) x 100 (H) mm) console and the user-friendly handle offers maximum operational flexibility--from the office to the operating room, clinic, hospital, and private practice.



## Air Cooling System

The system generates very little heat, so a large-scale fan cooling system is not needed. Operating noise and air exhaust are minimized, making it possible to perform photocoagulation conveniently and quietly.



# User-friendly

## Low Power Consumption

Requiring only a standard wall outlet and electrical source, the DC-3300 is very economical and its power consumption is extremely low as same as the Nidek GYC-2000 Green Laser Photocoagulator.

## Safety Features

Nidek also ensures safety for both surgeon and patient: the DC-3300 has several safety features, including an emergency stop switch, a self-diagnosis function, a misoperation indication function and more.

### Multipurpose Delivery System



Nidek SL-1600

### Combination Delivery



Nidek YC-1600 & DC-3300

### Slit Lamp Delivery System



Nidek SL-1600

A laser delivery system can be mounted on the Nidek SL-1600 Slit Lamp. (Slit Lamp, Light cable, Dust cover, Head belt)

### Attachable Slit Lamp Delivery System

(mounted on Haag-type slit lamp)



An Attachable slit lamp delivery system can be mounted directly to your Haag Streit 900 BM & 900BQ, Nidek SL-450 or SL-250 slit lamps. The optical system is designed to provide parfocal spot size for precise burns and includes a micromanipulator for easy alignment. (Attachable Slit Lamp delivery unit, Light cable)

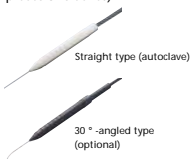
## Delivery Systems

## DC-3300

### Endophotocoagulation Delivery System



Endophotocoagulation Delivery System includes probe (20G, straight type, 5 pieces), Protective filter (for Zeiss, Topcon OMS-600), and optional power detector (incl. 5 pieces of sleeves)



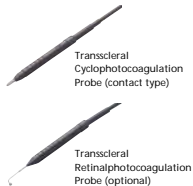
Straight type (autoclave)

30° -angled type (optional)

### Transscleral Photocoagulation Delivery System



Transscleral Cyclophotocoagulation probe (contact type, 3 pieces), Laser glasses



Transscleral Cyclophotocoagulation Probe (contact type)

Transscleral Retinalphotocoagulation Probe (optional)

### BIO Delivery System

Enables easy and accurate Laser Photocoagulation through small pupils and to the peripheral retina.



Heine OMEGA-180



Keeler ALL PUPIL

(Binocular Indirect Ophthalmoscope, Light cable, Aspheric lens (20D), Stand, Dust cover, Spare lamp)



## DC-3300

## Optional Accessories



### Laser Lens

Features transmittance and absorption appropriate for laser diode.

The Mainster Wide Field, Three Mirror Universal, Ritch Trabeculoplasty, and Wise Iridotomy-Sphincterotomy lenses are available.



### Extension Table

Allows mounting of the main console on the slit lamp table. This table is also available for 900BM & 900BQ, the Nidek SL-250, 450, 1600, & YC-1600 and Zeiss type slit lamps.

### Carrying Case

(for deliveries and accessories)

Carries accessories for convenience. Carrying case for each type of delivery system is also available.

### Video Camera Adapter

## DC-3300 Specifications

<b>Treatment Laser</b>	
Type	Diode Laser
Wavelength	808nm (typ.)
Output power	50-2000mW (Endo Delivery), 50-1500mW (Other Deliveries)*
Output type	Continuous Wave
Exposure times	0.02-5.00sec 0.02sec-600sec (Multipurpose Delivery)
Automatic repeat	0.1-1.0sec
Aiming laser	Red diode; 633nm (typ.) maximum 0.4-0.6mW
Power supply	90-264Vac, 50 / 60Hz, 200VA
Dimensions / Weight	220(W) x 297.7(D) x 100(H)mm / 6kg 8.6 (W) x 11.7(D) x 4(H)" / 13.2lbs
Delivery / Spot size	Endophotocoagulation Delivery / 400 $\mu$ m BIO Delivery / 180, 250, 450 $\mu$ m Transscleral Cyclophotocoagulation Delivery / 400 $\mu$ m Slit Lamp Delivery (Nidek, Haag Streit) / 60-800 $\mu$ m, 75-990 $\mu$ m Combo Delivery / 75-990 $\mu$ m Multipurpose Delivery / 100 $\mu$ m-3000 $\mu$ m

\* Maximum power may depend on the spot size.



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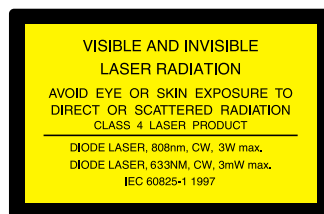
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## VISIONARY PERFORMANCE

\* Specifications and design are subject to change without notice for improvement.



Printed on environment-friendly recycled paper.

Printed in Japan DC-3300 NMEEM®