

# Q SWITCHED ND YAG LASER TRAINER

Model Number : GOTT-QSNL-01



## DESCRIPTION

GOTT-QSNL-01 is designed to demonstrate the operation, theory, repair and servicing of Q Switched Nd Yag Laser equipment that used at clinics & hospitals.

The Q-switched system, a specific type of Nd:YAG laser system, removes certain tattoos such as those with blue, black, and grey colours. However, outcomes may differ depending on the depth of the tattoo's pigment.

A fault simulator is provided with circuit block diagram of the device for the students to study theoretically and experimentally in order to understand the operation of the device.

The fault is activated by button that disables or create malfunction of certain circuit or components so that the device become faulty. Based on the symptoms and the signal at the test points, the students then do the troubleshooting exercise to find the faulty circuit or components. After locating the failure, the fault can be reset, and then the device work normally.

## FEATURES

- Real Q Switched Nd Yag Laser unit
- High quality industrially accepted component
- Bold color identification of circuits
- Designed to simulate common faults
- Detailed instruction & experiment manual

## SPECIFICATIONS

- 13.6 Inch Super Big Chromatic Touch Screen
- Double wavelengths (1064 nm & 532 nm ) to switch convenient.
- Red Diode laser aiming beam
- The single pulse energy can be up to 1500mj
- Circuit Block Diagram of Q Switched Nd Yag Laser
- Electrical Test Points
- Fault Simulation

## EXPERIMENT TOPICS

- Understanding of Q Switched Nd Yag Laser Unit
- Block Diagram Q Switched Nd Yag Laser Explanation
- Operating The Q Switched Nd Yag Laser Unit
- Troubleshooting of Keylock Switch
- Troubleshooting of Power Supply
- Troubleshooting of Water Pump Motor
- Troubleshooting of Water Flow Switch
- Troubleshooting of Pedal Switch

## Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

## General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

## Warranty :

2 years

## ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
Q SWITCHED ND YAG LASER TRAINER	GOTT-QSNL-01	200-420

\* Proposed design only, subject to changes without any notice