

## Quick Installation and Startup Guide for Laser Art Nd:YAG Laser

Model: SHE-MSS002-X

Manufacturer: ONTEKO, Inc.

### 1. Unpacking and Setup

- Unpack Components: Carefully remove all components from the crate.
- Install Support and Holder:
  1. Attach the Laser Head Support Bar to the main body and secure with the screw.
  2. Install the Laser Head Holder as indicated.
- Attach Laser Head: Align the laser head with the connector on the machine and fasten it using the provided plastic key.
- Connect Accessories:
  - Attach the foot switch, remote interlock, and power cord.
- Water Tank Setup:
  - Insert the CPC part into the overflow port.
  - Add 3 liters of purified water to the tank until water flows from the overflow.

### 2. Powering On

- Connect the power cord to a 110-127V power outlet.
- Turn on the Main Power switch located on the rear panel.
- Switch on the Front Power switch.
- On the touchscreen, select your language.

### 3. Parameter Configuration

- Select Wavelength: Choose the desired wavelength for the task.
- Adjust Frequency: Set the frequency between 1-10 Hz.
- Set Energy Level: Choose the power level within the safe range for your material:
  - 100-1000 mJ for 1-10 Hz
  - 1100-1500 mJ for 1-9 Hz
  - 1600-2000 mJ for 1-8 Hz

#### 4. Laser Operation

- Preparation:
  - Analyze the surface to be cleaned.
  - Dark contaminants on light backgrounds allow a broader energy range; lower energy is advised for darker or delicate surfaces.
- Activate Standby Mode: Click “Standby” on the touchscreen.
- Enable Laser Emission:
  - Click “OK” to activate the laser.
  - Use the foot switch to initiate laser firing.
- Target Area: Use the red pointer to aim at the area to be cleaned.
- Begin Cleaning: Press the foot switch to start laser operation on the target area.

#### 5. Shutdown Procedure

- Turn off the Front Power switch.
- Switch off the Main Power on the rear panel.
- Clean the laser head and prepare for storage if needed.