**Nd:YAG laser operation**

**a) Turn on**

1. Turn on the water supply and plug on the power source;

2. Turn on the switches from bottom to top (power switch — CPU switch —Key switch);

3. Wait for 6 seconds until the ‘Manual Mode’ shown on the viewing screen;

4. Press ‘Auto/Manual’ which will display PGM1, then press ‘Active’ to active PGM1 for warm-up;

5. Press ‘Start’ to start to warm up the laser system;

6. After 30 minutes, press ‘Stop’ to end the system warm up progress.

**b) Operation**

1. The laser operation can only be done after the warm up progress ended;

2. Press ‘program up’ or ‘program down’ in the control box to choose the program you want to use and then press ‘Active’ to active the program you selected;

**Note:** PGM 1-3 can not be changed. PGM1 for warm-up progress only (flash only); PGM2 for full energy single shot only; PGM 3 for full energy laser at 10 HZ only. In daily use, please choose programs above PGM3.

3. Press ‘Start’ and ‘Q-Switch’ to start lasing.

4. Press ‘Shutter’ on or off to control the laser out or not.

**c) Turn off**

1. Press ‘Stop’ to stop the running programs.

2. Turn off the switches from top to bottom (Key switch — CPU switch —power switch).

3. Turn off the water supply and plug off the power source.

**Safety**

1. Always wear googles with laser operation.

2. Use low energy for optical alignment for safety.

3. Always to turn on and off the cooling water system for equipment safety.