

Model ORC HMW-201B-5K is the light source equipment designed for exposure of sensitizers of double-face printed-circuit base board, chemical milling, etc. in the electronic industry field.

# INSTRUCTION MANUAL

# MODEL HMW-201B-5K

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Please, be sure to read through this  
Instruction Manual before you operate  
the equipment.

1. Specifications (Standard specifications of 5kw lamp x 2 pcs.)

Dimensions of Main Unit : 1,350 (W) x 2,000 (L) x 1,740 (H)mm

Weight : 800kg

Power Supply : Single-phase 220V AC, 50/60Hz, 100A

or

Three-phase 380V AC, 50/60Hz, 50A

External Water : 12 - 16 l/min,  
Temperature : max. 30°C, min. 18°C  
3/8" piping

Water Pressure : below 1.5kg/cm<sup>2</sup> (21 PSI)

Lamp : Super High Pressure Mercury Vapor Lamp  
IML-5000 (5kw) x 2 lamps

Exposure Frame : Frame Construction  
- Glass (Lower Material)  
- Mylar (Upper Material)  
- Vacuum Construction System  
- Effective Exposure Area : 610 x 812mm  
- Uniformity : more than 80%  
Number of Exposure Frame : 2 sets

Vacuum Pump Unit : MSV-100 (100 l/min. 2 sets)

UV Integrator : UV-330EQP-2 (4 channels ) x 2 sets

2. Installation and Wiring

(1) For installation, select a space with the least humidity and dust.

(2) Power supply equipment and grounding

Single-phase 220V AC 50/60Hz 100A or three-phase 380V AC 50/60Hz 50A power supply is required.

The unit should be grounded by No.1 class grounding work.

(3) Connect power cable to the main breaker in machine.

The other end of cable is connected to the main power source at customer sight. Power cable is cable and color-coded is as follows: