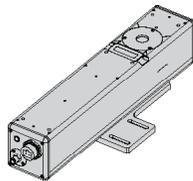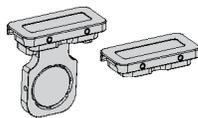# Quick Start
BeamWatch® PLUS

Equipment

BeamWatch PLUS

Glass Inserts

Gigabit to USB 3.0 Adapter

Polyurethane tubing

Power Supply Adapter Kit
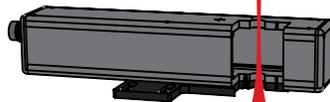
Ethernet Cable 4.5m

Power Supply Cable

Setup

4. Attach power supply cable with proper adapter

3. Connect purge gas source (Air, Nitrogen, Argon 10 SLPM (35 PSI / 2.5 BAR).
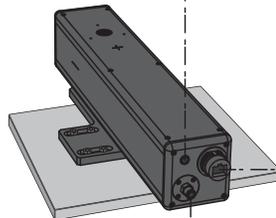
2. Attach the BeamWatch to PC Computer (Use Gigabit to USB 3.0 Adapter as needed).
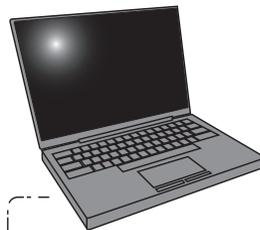
1. Secure BeamWatch unit to a flat surface.

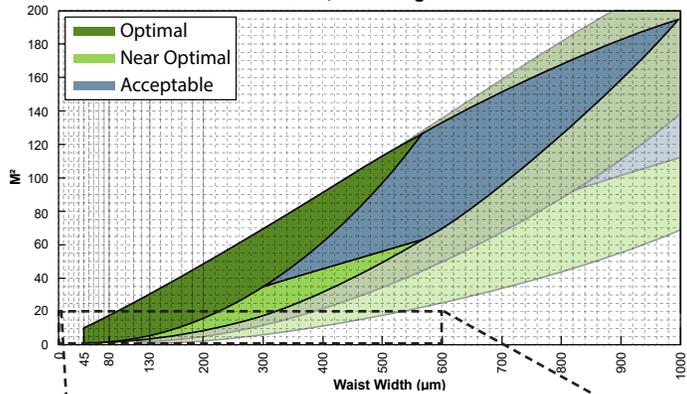**5.** Set up a suitable beam dump. An Ophir Power Sensor is recommended.

6. Center the beam in the BeamWatch Aperture.
• Align the beam to the scribe marks on the alignment tool.
• The scribe line on the side of the unit is the nominal center location of the camera.

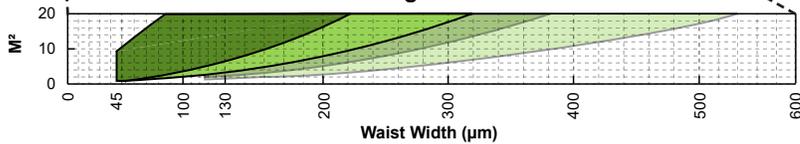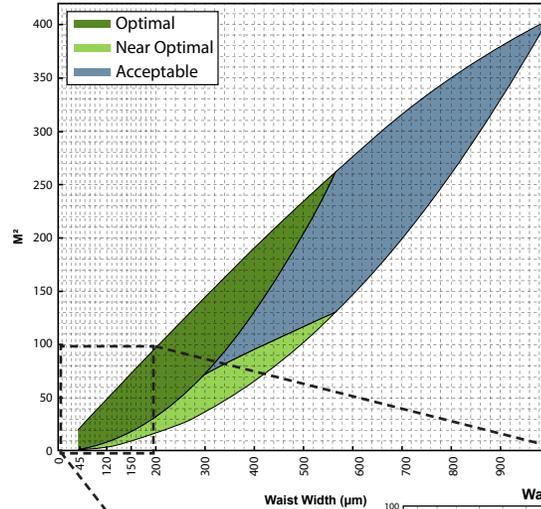**7.** Install the correct glass insert for the wavelength of the laser.

8. Install BeamWatch software on the PC.

9. Launch the software. Begin collecting data in real time!

Warning: Remove alignment tool before using BeamWatch with a high-power laser.

mks | Ophir®

BW-PLUS-45, Wavelength = 515nm

Optimal
Near Optimal
Acceptable

M²

Waist Width (µm)

BW-PLUS-45, Wavelength = 1070nm

Optimal
Near Optimal
Acceptable

M²

Waist Width (µm)

Wavelength = 1070nm

M²

Waist Width (µm)

Wavelength = 515nm

M²

Waist Width (µm)