

## OptX™ 2kW Safety Requirements

Adherence to ANSI Standard Z136.1 and IEC Standard 60825-1 is required with the use of Class 4 lasers.

One person at each company must be trained and certified as a Laser Safety Officer (LSO) who is responsible for:

- Ensuring the environment surrounding the laser welding cell or Laser Controlled Area is safe for people nearby when the laser is in operation.
- Ensuring the laser is operated/demonstrated safely by trained personnel.

LSO certification is open to anyone who is trained and certified by an accredited organization. Training courses, which can range from four hours to several days, are available in person and online from the Laser Institute of America and Kentek.

A company's LSO must register the OptX 2kW in order to have permission to activate the machine.

### Product Safety Features

- Key and Unlock Code
- Emergency Stop
- External Door Interlocks
- 2-Stage Trigger
- Continuity Clamp
- Plasma Detection

Photo sensor to monitor plasma. If there is not sufficient plasma light created after the start of a weld, the laser will automatically turn emission off in the welding mode

- Back Reflection Error



Miller is Committed to Providing  
a Safe and Reliable Solution.

For more information on OptX Safety &  
Operation, visit: [Millerwelds.com/optxinfo](http://Millerwelds.com/optxinfo)



Additional Product Information and available  
distributors, visit: [Millerwelds.com/optx](http://Millerwelds.com/optx)



# The Miller® OptX™ 2kW Handheld Laser Welder

## It's time to change the welding game



## 951000109 package includes:

OptX 2kW laser machine

OptX wire feeder

OptX laser torch

OptX accessory kit consisting of:

- OptX carbon fiber laser welding helmet
- OptX standard laser safety glasses
- OptX torch cradle
- OptX torch cover
- Welding nozzles (set of 5)
- Cleaning nozzles (set of 3)
- Protective window (5-pack)
- 11-foot Conduit Wire, Aluminum
- 11-foot Conduit Wire, Steel
- 10-foot (3 m) Cat 6 Ethernet cable
- Protective windows with o-rings
- Contact tips (10-pack)
- Additional components and tools



See  
what's  
included!

unboxing  
video

OptX hardware kit consisting of:

- Miller work-sense clamp
- Smith regulator (30-150-580)
- 5-foot (1.5 m) gas hose
- .045 V-groove 4-roll drive roll kit
- .047 U-groove 4-roll drive roll kit
- Trigger cable



See  
it in  
Action!

demo  
video

## Boost Profitability

The OptX 2kW minimizes the need for beveling as well as reduces post-weld operations, unlocking additional time to drive businesses forward.

## Maximize Workforce Talent

Due to its ease of use, non-welders and beginner welders alike can quickly learn to lay down high-quality beads, allowing your current skilled professionals to stay focused on complex applications that require traditional welding processes.

### See for yourself!

Contact Your Local  
Purity Cylinder Gases  
to schedule a demo!



## Product You Can Trust

The OptX 2kW solution provides consistent results in an industrial setting and is backed by our three-year warranty. The OptX wire feeder is designed and manufactured specifically for the laser application.



## Welding and Laser Experts Collide

Miller's commitment to providing safe and reliable welding innovations led to the partnership with IPG Photonics, the world leader in fiber lasers. The result: The Miller OptX 2kW handheld laser welder, a solution that will benefit users like never before.