

Black Rock Machinery - CY Laser - IPG Photonics Seminar

Introduction to Fiber Laser Cutting and Fiber Laser Welding.

Fiber Optic Laser is changing the flat laser cutting industry with its ultra-low operating costs and no scheduled maintenance! True Fiber Lasers have no mirrors, no bellows, no laser or purge gasses and no blowers. IPG is the leader in fiber generators which guarantees a minimum of 100,000 hours mean-time-between-failures.

The fiber optic laser technology used today has distinct advantages over traditional CO₂ lasers. CO₂ technology includes glass tubes, seals, blowers, vacuum pumps, laser gas, maintenance and bend mirrors. The CO₂ laser has a high run cost of up to \$18/hr with down time due to maintenance. The costs are approximately \$4/hr to run a True Fiber Optic Laser.

This seminar will cover the history and current technology of Fiber Lasers and discuss the differences and advantages they have over CO₂ lasers.

To keep manufacturing in America and stop the outsourcing of our work we must build our products cheaper, better, and faster than we have in the past. Fiber Laser Cutting is one of the first and largest steps in helping us do that.

Presenters:

Mitch Brown Black Rock Machinery

Paul Farrell - CY Laser

Mike Klos - IPG Photonics



