

## ULTIMATE ABILITIES OF 3D PRINTERS WITH LASER ATTACHMENTS

**George I Fomitchev**

Endurance, USA

**S**ince the arrival of powerful diode lasers to mass market a few short years ago, the potential to outfit a 3D printer or CNC machine with a laser cutting tool head as powerful and efficient as its CO<sub>2</sub> and fiber laser contemporaries has been a very real possibility. The benefits of this newly commercially available technology for the home user are clear. Not only are laser diodes lightweight and small, often they are capable of cutting and engraving a wide array of materials including wood, leather, plastic, anodized aluminum and stainless steel. Combining a compact form factor with versatility, the laser diode makes for an excellent post market laser engraving or cutting tool for the motion systems of 3D printers and CNC machines. So, what exactly is a laser diode as an add-on? Endurance presents a solid-state (diode) laser add-on (attachments) that will convert your 3D printer or CNC machine into a powerful laser cutting/engraving machine. Your 3D printer or CNC router will get an ultimate ability to cut wood, plywood, acrylic, ABS, PLA, hardboard, cardboard, balsa, MDF, felt, fabric, leather and many other materials. This laser attachment allows to do laser engraving/etching on any surfaces including stainless steel, copper, brass, anodized aluminum, glass, and acrylic. Endurance lasers help to do laser marking and laser cutting at home or in a small workshop.

### Biography

George I Fomitchev is Futurist, Entrepreneur, Founder and CEO of Endurance. He has build 10 business from scratch. Since 2015 CEO and a founder of Endurance robots startup. George is also wanted speaker in many US universities and colleges including FGCU, FSU, MIT, WPI, and others. George is a contributing writer in more than 40 online magazines.

[gfi@EnduranceRobots.com](mailto:gfi@EnduranceRobots.com)