

# Laser Cutters Use Advanced Technology

ORLANDO, FL, UNITED STATES, June 5, 2018 /EINPresswire.com/ -- Laser Photonics Corporation's [laser cutting](#) machines, utilizing advanced cutting technology, have fully-integrated systems that monitor the cutting process and provide users with applicable information. The high quality heads ensure processing with up to 15 kW of laser power and can cut stainless steel up to 40mm (1.5 inches). The process can be utilized on a single or dual shuttle table, and each system is equipped with a solid state laser cutting head and an autofocus sensor, providing unmatched quality for thick [metal cutting](#). These systems are geared toward the ship building, aerospace and defense industries, as well as companies that produce construction equipment, aluminum vehicles, and food processing equipment.

The performance advantage of these laser [cutting machines](#) is Direct Drive Motion System (DDMS) technology, a maintenance-free magnetic-based motion platform that is superior to any other mechanical motion system simply because it is an order of magnitude lower in resistance. All other competing technologies require larger, high-power consumption motors to offset higher-resistant motion systems that need routine replacement of parts due to continuous friction based wear and tear.

Another significant technology advantage is the use of fully-sealed encoders that permanently eliminate conditions for laser placement errors and material jamming accidents associated with optical encoders that occasionally break or lose location accuracy due to accumulated debris obscuring the optical location functionality. These machines provide a complete solution for the laser-based cutting of thin, medium, and thick material in different types of metals from highly reflective (copper, brass, aluminum) to steel, stainless steel, titanium, and more.

Laser Photonics Corporation is the industry leader in developing high-tech Fiber, UltraFast, UV, CO2 and Green laser systems, specializing in advanced and innovative processes and technologies. All systems are made in the USA; warranties and financing programs are available, along with exceptional customer service. For more information about Laser Photonics' complete line of laser cutting machines, visit [www.laserphotonics.com](http://www.laserphotonics.com) or call (407) 804-1000.

Dianne Carlisle



The large format fiber laser cutting Titan FX Series is a state of the art design combining the latest developments in motion engineering automation, PC-based CNC control programming and next-generation high-power Fiber laser technology

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