

Fonon announces release of 2016 Titan Laser Cutting System

Titan FX laser cutting system capable of saving users up to \$1M over typical five-year span



Fonon Corporation (OTC: FNON) today unveiled ten major updates to the Titan family of large, flat-bed multipurpose laser cutting machines, integrating multiple subsystems and introducing several evolutionary improvements which increase end-user productivity, lower costs over time, minimize the Titan's floor space footprint and reduce its power consumption.

Designed to consume less than 5% of the power required by common carbon dioxide (CO₂) laser systems, the Titan FX cutting machine is a maintenance-free, turn-key system, with an integrated laser source and heat exchange. Its laser is modular, available in 1kW, 2kW or 4kW increments, allowing users to increase the laser cutting power up to 8kW,

and field-upgradeable, empowering users themselves to quickly adapt the system to changes in their production environment. This eliminates many of the high installation and maintenance costs borne by users of typical laser cutting systems.

Technical advancements recently incorporated in many of Fonon's other laser material processing systems allow the Titan FX to adjust dynamically to slight variations in thickness across the metal plate. Additionally, the updated Titan is equipped with a sealed feedback sensor, allowing flawless operation in harsh industrial environments. Its frictionless, direct drive linear-motion platform, software-controlled orthogonality and lightweight bridge enable tremendously high acceleration and

"cutting on the fly" capabilities.

The new Titan design eliminates several components prone to failure in typical large-format laser cutting systems, increasing the system's long-term reliability.

Together these advancements enhance the user's productivity in terms of laser speed, acceleration, and laser placement accuracy, and have the potential to save users hundreds of thousands of dollars per year.

Further user-centric advancements include the ability to recalibrate the gantry at the press of a single button, ensuring the material is always in alignment, free of seizures and unplanned machine failures. Power wattage upgrades to the laser do not require a specialized field engineer, and all operational steps

are designed specifically for user best practices.

As with other Fonon systems delivered under the Laser Photonics brand, the Titan is a true plug-and-play system, requires no consumables, and is maintenance-free.

"Until now, the most advanced laser cutting technologies were available only to industrial giants," said Dmitriy Nikitin, CTO and interim CEO of Fonon Corporation. "The redesigned Titan FX laser cutting system, with its drastically-reduced base price, ease of installation and low operational costs opens the door for small and medium-size companies to avail of the most advanced cutting technology."

The Titan series is in production and available immediately. Contact Fonon for additional details.

About Fonon Corporation

Fonon designs laser-based material processing technologies for advanced industrial manufacturing and manufactures state of the art equipment utilizing those technologies. The company products empower manufacturers in the areas of application-specific 3D metal printing (additive manufacturing), and 2D and 3D laser cutting, marking and engraving applications (subtractive manufacturing). Our products and technologies are used today in every sector of any manufacturing industry from food and beverage to medical, aerospace and semiconductor.