

CNC
Servo Drive Systems
Laser Sources

FANUC

Integrated Laser Systems

NEW: Fiber and CO₂



The perfect way to cut

Now there is a fiber laser source that meets FANUC's exacting quality standards. As a result, FANUC is able to offer a complete package of solutions – specifically designed fiber and CO₂ laser sources, advanced CNC and a high-performance servo drive system, all bundled into a single interfaced laser package. What's more, for additional peace of mind, it's all backed by dedicated worldwide FANUC support and service.

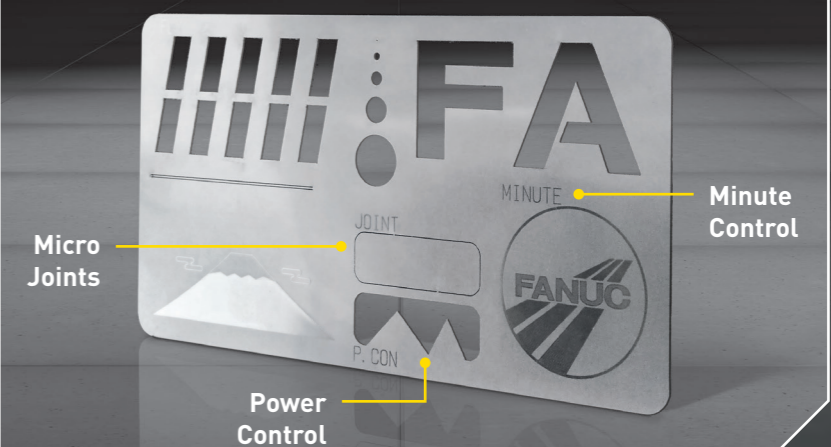
For high efficiency metal sheet separation with 99.9% reliability.

Your advantages:

- one stop for laser sources, CNC and drives
- full application support
- fast and efficient start-up
- easy operation, monitoring and maintenance
- maximum versatility and reliability
- low energy consumption
- perfect cut-edge quality from thin to thick materials
- fly cutting with real-time power control
- dedicated CNC functions for laser
- high productivity



Sample of thin material cut using FANUC Fiber Laser



FANUC Fiber Laser

To increase your options, FANUC has developed a new fiber laser that shares the same cutting machine technology as FANUC's existing CO₂ laser sources. So whether you want to run fiber or CO₂ laser, all you need do is change the source – the base stays the same, saving you money and making you more flexible. Not requiring complex mirror technology, fiber laser transfers the beam to the cutting head via a fiber optic cable. FANUC Fiber Laser is perfectly suited to thin material applications and provides fast, reliable and efficient industrial sheet separation on a small footprint. Like other FANUC products, it also combines easily with FANUC robots for intelligent and efficient material handling.

NEW:

Fiber Laser line 1 to 6 kW

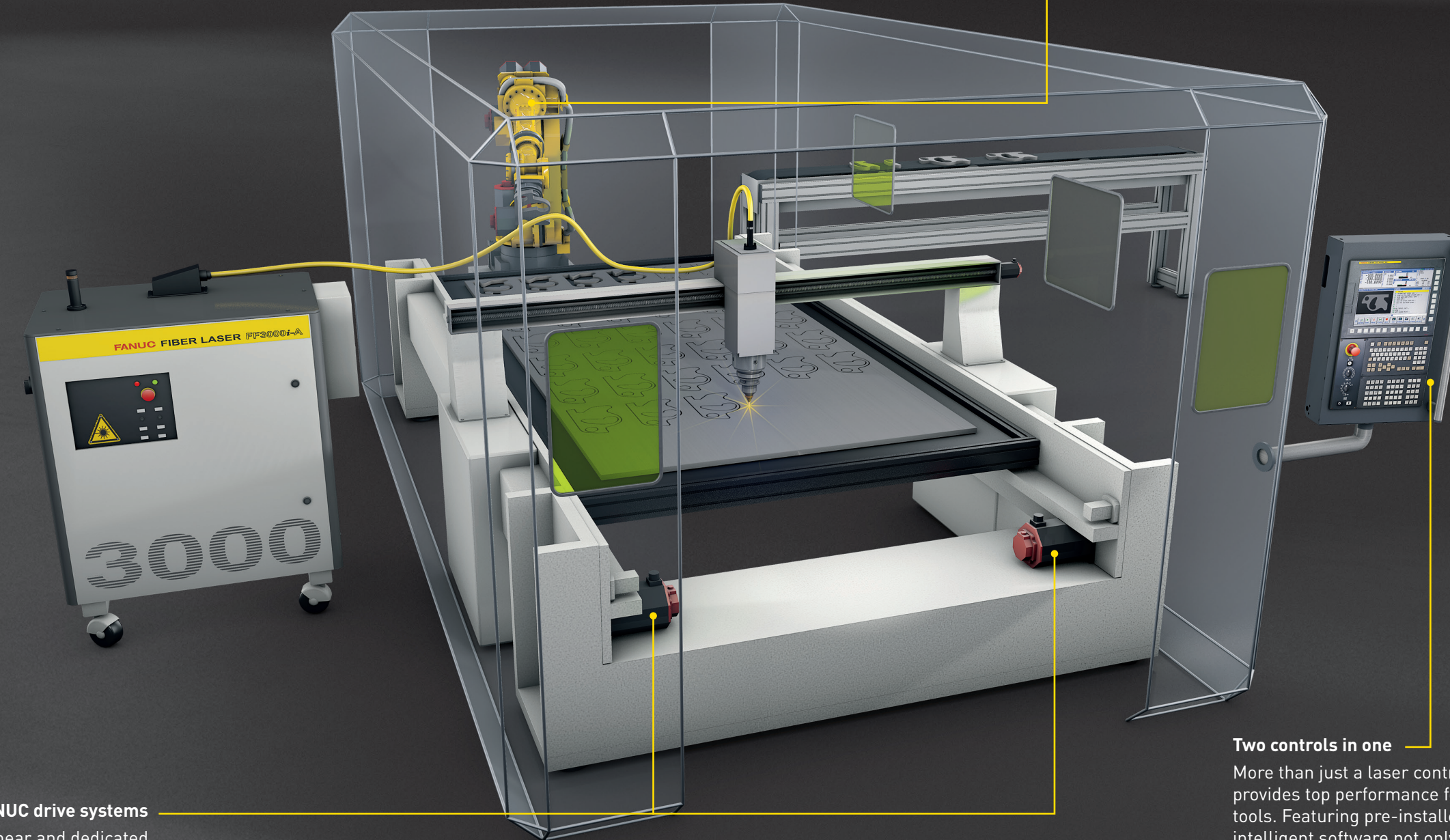


Your advantages:

- 1 to 6 kW
- compatible operation with CO₂ Laser
- efficient machine development thanks to a flexible, encapsulated fiber optic cable
- very high-speed cutting up to 6 mm
- cuts extremely fine contours
- cuts non-ferrous metals
- easy 3D thin metal cutting
- replacing the process fiber is easy

Helping you choose the perfect laser source

Just tell us what you want to cut, and we will help you find the best solution for you. Whether that's fiber or CO₂, we will also provide you with cutting parameters for a broad range of materials. What's more, we will help you integrate your laser into your machine, offering you both the know-how and the tools to create the ultimate setup.



High-performance FANUC drive systems

Offering a wide range of servo, linear and dedicated motors for each laser application, FANUC provides everything you will ever need for your fiber or CO₂ laser. All FANUC drive systems are engineered to provide the highest performance at the lowest possible rates of energy use.

Handling made easy

Supplementing your FANUC laser package with FANUC high-speed handling robots is easy since all FANUC's CNC systems and robots share a common control platform. Robots can be integrated quickly and easily into your laser machine processes, with machine-robot connectivity achieved via a standard interface. The CNC's integrated screens monitor and control the robot and vice versa – something that can be further enhanced with FANUC handling solutions equipped with visual detection to make your machine more productive. Just ask – we love coming up with solutions.

Two controls in one

More than just a laser control, FANUC's laser CNC provides top performance for both laser and machine tools. Featuring pre-installed interfaces, the control's intelligent software not only enables highly efficient laser processing, but also the deployment of components from FANUC standard CNC technologies and CNC accessories. FANUC Serial Servo Bus (FSSB) enables powerful fly-cutting operation and real-time control of laser power and axis speed.

FANUC CO₂ Laser

FANUC CO₂ Laser represents a reliable, precise and cost-effective way to cut sheet metal. Producing smoother cutting edge surfaces than fiber, it delivers superior parts fitting regardless of material thickness. Featuring plug and play compatibility, the technology is fully integrated into a single space-saving cabinet.



Your advantages:

- 1 to 6 kW
- tailored beam quality
- maximum versatility – wide range of uses
- laser cutting and combined laser/punching
- low energy and gas consumption
- for mild steel up to 32 mm plus
- stainless steel cutting free from oxidation up to 20 mm plus
- for alternating thin to very thick sheets
- smoothest cutting edge guaranteed

**Push
the
button**



We reserve the right to make technical changes without prior announcement.
All rights reserved.

©2015 FANUC Europe Corporation

www.fanuc.eu

MFL-02381-EN