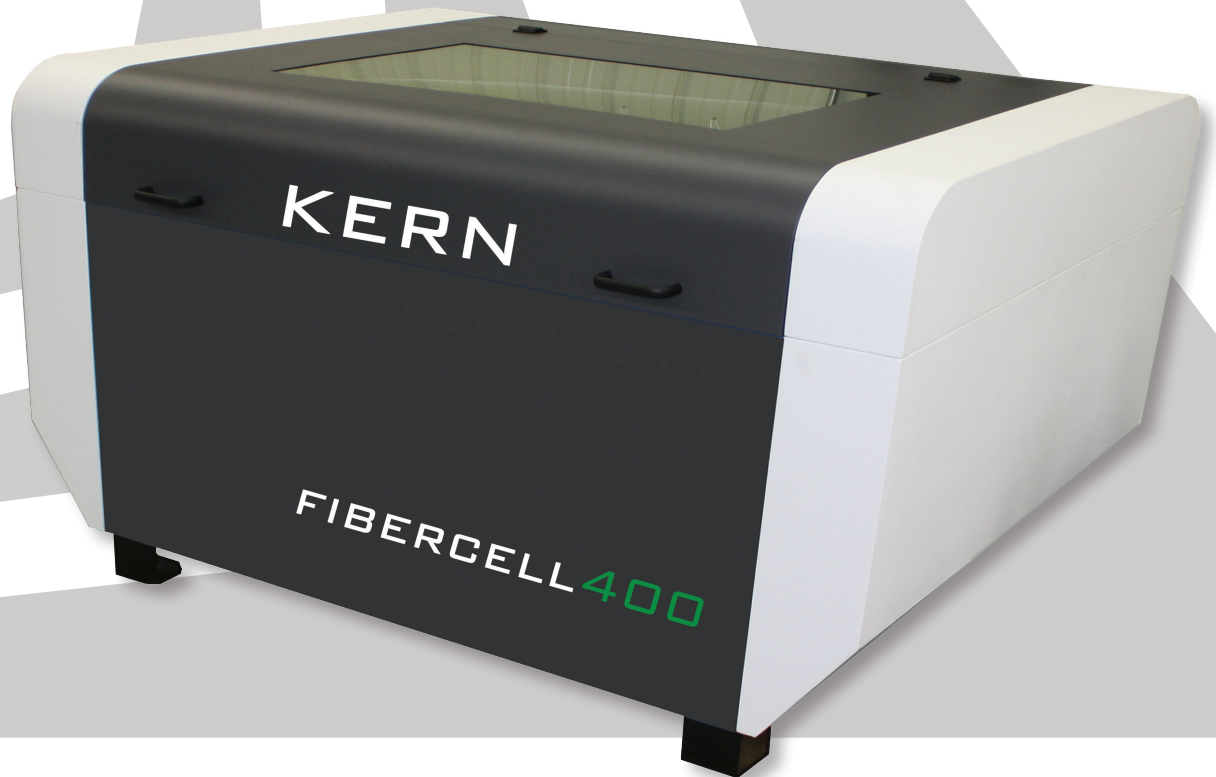


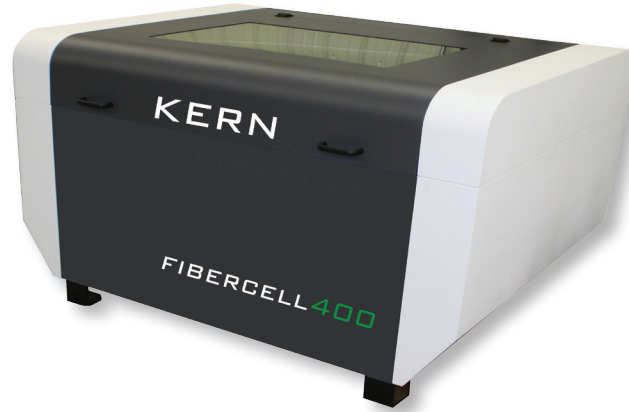


FiberCell™



LARGE FORMAT LASER CUTTING SYSTEMS

FiberCell™ - Fiber Laser Metal Cutting Laser



Quality Made Fiber Laser

FIBERCELL400

Work Area	52" x 25"	52" x 50"	52" x 100"
Footprint (W x L x H)	70" x 50" x 55"	70" x 75" x 55"	70" x 125" x 55"
Laser Wattage	400 Watts	400 watts	400 Watts
System Weight	1600 lbs	2500 lbs	4200 lbs

FIBERCELL500

Work Area	52" x 25"	52" x 50"	52" x 100"
Footprint (W x L x H)	70" x 50" x 55"	70" x 75" x 55"	70" x 125" x 55"
Laser Wattage	500 Watts	500 watts	500 Watts
System Weight	1600 lbs	2500 lbs	4200 lbs

The FiberCell™ is Kern's new line of fully enclosed material processing equipment powered by fiber laser technology. The quality fiber laser beam results in faster cutting speeds and higher quality cuts when compared to other cutting solutions. The key advantage of a fiber laser is its short beam wavelength (1,064nm). The wavelength, which is ten times lower than that of a conventional CO2 laser, generates high absorption into metals. An ultra-narrow cut width makes the FiberCell™ the perfect tool for high speed cutting of stainless steel, mild steel, aluminum, brass and other non-ferrous metals.

FIBERCELL400, FIBERCELL500

Table Accuracy	+/- .002"/ft
Repeatability	+/- .0005"/ft
Straightness	+/- .002"/ft
Air Assist Nozzle	Yes
Max Cutting Speed	10"/sec
*Maximum Z Clearance	3"

Standard Features

High-Speed Servo Motors

The FiberCell™ package is powered by high resolution servo motors on both axes allowing for quick acceleration and cutting speeds.

Interlocked Class 1 Safety Enclosure

A steel enclosure and interlocked hood make the FiberCell™ machine safe for anyone working on or around the laser system. A green acrylic viewing window allows users to watch the material as it is being processed.

Vacuum System

Smoke and fumes are removed by a vacuum system that connects directly to the laser system.

Computer and Laser Software

A high performance computer and monitor are provided with each laser system. Kern's state-of-the-art KCAM laser cutting and engraving software is included on every laser system. An easy to use printer driver will send your vector and raster files to the laser. Upgrades to the KCAM software are available on our website. Your choice of design software such as CorelDRAW®, AutoCAD LT® or Adobe Illustrator® is also included.

UL / CE / CDRH

A UL certified electrical panel powers the laser system. FiberCell™ laser systems can be built CE complaint to meet European Union consumer safety, health and environmental requirements. U.S. CDRH compliance requirements are upheld on the HSE laser system to meet specifications in 21 CFR, Subchapter J, parts 1040.10 & 1040.11.

Chilling Unit

A closed loop chilling unit is included on all fiber laser systems. This chilling unit will assist in maintaining stable laser power and prolongs the life of the laser.

Quality Bearings, Rails and Belts

A top-of-the-line motion package includes parts selected from US companies that value the idea of high tolerances, great repeatability and precision accuracy.



1501 INDUSTRIAL DRIVE
WADENA, MN 56482

218-631-2755 TEL
888-660-2755 TOLL FREE
218-631-3476 FAX