

KERN LASERS

KERN LASER HAVE BEEN A LEADING MANUFACTURER OF STATE-OF-THE-ART LASER CUTTING & ENGRAVING SYSTEMS SINCE 1982.

All kern laser systems are designed to handle a demanding production schedule. with endless possibilities, these high wattage industrial laser systems can be equipped with metal cutting technology for fabrication of thin guage sheet metal.



KERN HSE LASER SYSTEM



The HSE Laser System is the flagship model in Kern's product lineup. A wrap around gantry traverses over the cutting bed allowing for finished parts to be easily removed at all sides of the machine. The moving gantry features high speed servo motors and a flying optics beam delivery providing consistent beam power and quality over the entire work area plus the capability of etching at speeds up to 3810mm/s, for images up to 130cm x 254cm in size.

Acrylic, foam, wood and metal are just a few of the materials that are commonly cut on the HSE Laser System.

Available in bed sizes ranging from 1320x635mm to 2032x3048mm. Custom solutions also available.

KERN MICRO LASER SYSTEM



Micro is the newest laser product from Kern Lasers. This small format machine is built with many of the same industrial grade parts as the robust HSE model. The small format design features a compact 609.6x 609.6mm or 1,219.2 x 609.6mm workable area.

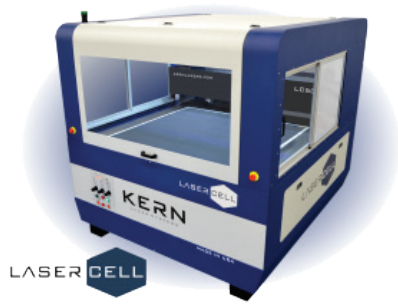
Servo drives and motors are the workhorses behind the high-speed, belt-driven X-axis and an automated Y-axis table. Speed and accuracy are increased by a light-weight moving table and belt-driven laser head. The combined ease of use and open table design are guaranteed to increase throughput.

Features:

- High Performance computer and LCD Monitor
- Closed Loop Chiller (100W and Greater)
- Exhaust Blower / Downdraft vacuum bed
- High speed servo motors
- 2.5" FL optics assembly
- KCAM Laser Software
- Laser Tool Kit
- Laser Safety Kit

Metal Cutting Capabilities an Optional Feature.

KERN LASERCELL LASERS



The Class 1 safety enclosure is the ideal system to be placed in high traffic areas such as busy factory floors and university classrooms. Access points are available at the front, back and each side of the machine making part loading and maintenance simple and convenient.

Kern has redesigned the LaserCELL's motion system transforming it into its fastest and most productive machine to date. An improved down draft vacuum table is built into the system allowing for consistent fume removal and material hold down over the entire 52" x 50" table. Lasers from 50 to 400 watts can be placed onto the LaserCELL system.

Standard Features:

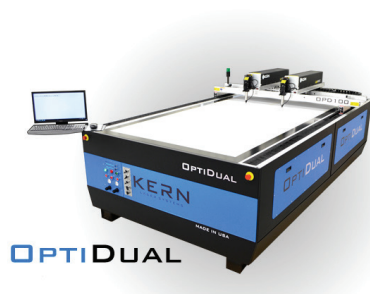
- High Performance Computer & LCD Monitor
- Closed Loop Chiller (100W and greater)
- Exhaust Blowers / Downdraft Vacuum Bed
- High Speed Servo Motors

- 5" FL Optics Assembly
- KCAM Laser Software
- CorelDRAW or AutoCAD LT
- 2 Days Training at Kern Facility
- Laser Safety Kit
- Laser Tool Kit

Optional Features:

- Metal Cutting Option
- K-Vision Camera Registration
- Rotary Device
- Aluminum Spacers
- 5", 5" & 7.5"FL Optics Assemblies
- PhotoGRAV Software
- On-Site Installation & Training

KERN OPTIDUAL LASERS



The OptiDual Laser System was specially designed for customers that require a laser system capable of high production cutting. The OptiDual features two lasers mounted on a single gantry. The second laser is connected to the master laser by an adjustable bar. As the master laser is cutting a part, the second laser will be cutting the same part just inches away. Both lasers output power can be matched within the KCAM software. This ensures that the parts being produced are similar in size, accuracy and quality.

Available in 50, 100, 150, 200 watt configurations. Bed Sizes from 50"x 52" (1270x1320mm) to 120"x 80" (3048x2032mm).

Standard Features:

- USA Made Laser Head
- HyperDual Motion
- Downdraft Table / Vacuum System
- Computer & Laser Software

- UL / CE / CDRH
- Chilling Unit
- Solid Steel Frame

Optional Features:

- Metal Cutting Option

- K-Vision Camera Registration
- Rotary Device
- Aluminum Spacers
- 5", 5" & 7.5"FL Optics Assemblies
- PhotoGRAV Software
- On-Site Installation & Training

KERN Z12 LASERS



Z12 Lasers offers the greatest amount of detail available in the monument etching industry. The strong, solid steel frame and extra high gantry are designed to handle heavy stones up to 12" thick. A wrap around gantry and roller bed table makes loading and unloading of material quick and easy. The low profile table and pass through design allow for easier integration of existing conveyor systems. Urns and caskets can also be laser engraved with beautiful results.

Standard Features:

- USA Made Laser Head
- High-Speed Servo Motors
- Downdraft Table / Vacuum System

- Computer & Laser Software
- UL / CE / CDRH
- Chilling Unit
- Quality Bearings, Rails & Belts
- Small Footprint