



Precise Cutting of Plastics at High Speeds



Beam Dynamics' premier laser cutting systems are ideal for cutting perfect parts from all types of plastic. Our machines are easy to operate, producing parts directly from the original digital art files. High powered for thicker materials and much faster than a router, each system offers a level of flexibility and speed unmatched by other cutting methods. With no setup or tooling costs, you will have faster turn around, lower costs and happier customers.

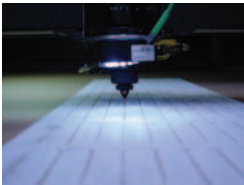
FLAME POLISHED EDGES



No more flame polishing edges by hand.

Although plastic is easy to cut with a router, it requires time-consuming hand work afterwards in order to create acceptable edges. Beam Dynamics' cutting machines produce precisely cut parts with beautiful flame polished edges directly off the machine. And because there are no router bits to replace or post-processing required, you can save a tremendous amount of time and money.

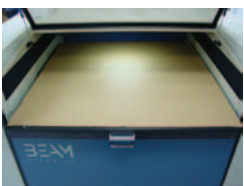
COMPLETELY ENCLOSED SYSTEM



Enjoy the benefits of a cleaner, safer machine.

Beam Dynamics' machines are completely enclosed, resulting in a clean, dust-free work environment. The fully sealed system, with a vacuum table and integrated exhaust, keeps your work area clean and odor-free. The laser beam is contained within a Class I safety enclosure, keeping your operators safe without requiring additional safety equipment.

LARGE CUTTING BED



Increase throughput and flexibility with more table area.

Our machines provide a 48" x 48" cutting area with a pass-through that allows cutting parts of unlimited length. With our flexible pallet system, the cutting bed can be removed from the front or back of the machine for easy material loading, and is well suited for factory automation. Our systems also provide up to 12 inches of clearance for cutting or engraving on non-sheet material or on parts requiring fixturing.

Talk to a BEAM representative today to hear some of the cost-efficient and time-saving techniques developed with our machines. Call 650 654-4453 and ask for extension 201.



Our machines allow you to produce intricate designs that are difficult and expensive, if not impossible, for a router. The machine sets the cutting path according to the original digital artwork, greatly simplifying the cutting process.

BEAM offers more than just a cutting machine—we offer an extension directly into your workflow. Whatever the material—be it nylon, polycarbonate, Mylar, even paper or steel—you can dramatically improve your process with our fully integrated system.

Flexible cutting and manufacturing

Each machine in our product line is designed to meet the varying cutting needs of the plastic fabrication shop. All types of plastic can be cut rapidly and cost-effectively—whether it's a prototype, small job or full production run. Our machines are so easy to use that a single operator can run several machines simultaneously, increasing throughput and decreasing costs.

Produce parts faster and cheaper

Beam Dynamics machines can cut at speeds much faster than routers or low powered laser machines, and cost less than \$1 per hour to operate and maintain. The high speed and high acceleration of our systems dramatically reduce cutting time. Our systems also incorporate flying optics, where the part being cut remains stationary while the laser beam is directed by mirrors. This high-speed design is completely non-contact, so there are no tools to wear or break, and your parts won't get rolled on during cutting.

A BEAM laser cutting system is an important tool for any plastic fabricator because:

Small tool cut width (kerf of .006") enables the cutting of any shape that can be drawn.

Process improvements like pre-laminating large sheets of materials before cutting save hand work and time.

Zero tool load: Clamping, complex, or dangerous holding methods are not required when cutting with a weightless beam of light.

Clean work environment: Lasers vaporize materials without dust.

Large cutting bed allows you to cut large sheets of materials.

Flame polished parts ready to be shipped right off the table.

Tool variability eliminated: Absolute repeatability with a tool that never dulls.

Extremely low operating costs: The machine costs less than \$1/hour to run and maintain.



Headquarters
590 Taylor Way
San Carlos, CA 94070
t 650.654.4453
f 650.654.4834
www.beamdynamics.com

*If you want to cut it, we've done it before and can help you get it done!
Call us today at 650 654-4453 and ask for extension 201.*