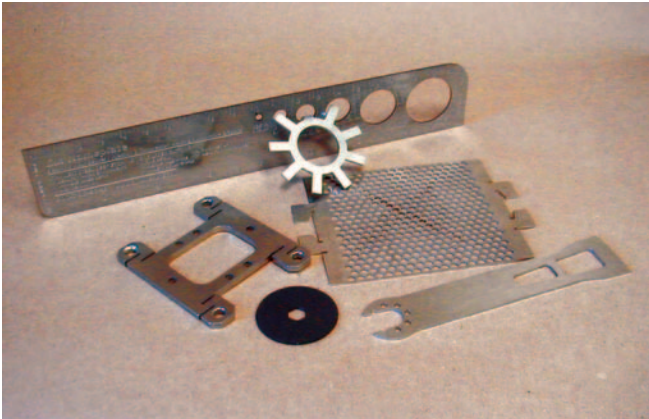




## Precise, Non-contact Metal Cutting without Tooling



Beam Dynamics' premier laser cutting systems are ideal for cutting perfect parts from many types of sheet metal. Our machines eliminate expensive re-tooling costs and time-consuming stamps by quickly and easily producing parts directly from the original CAD files. Be it a small run, a complicated part, or even just engraving, Beam Dynamics' machines are the most flexible cutting tools for any production shop.

### COST-EFFECTIVE



#### Cost-effectively produce small runs and prototypes.

Beam Dynamics' die-less cutting technique uses computer generated cutting paths to make it incredibly easy and inexpensive for cutting jobs of any size. No dies or expensive re-tooling is necessary when cutting parts, meaning you can increase profits on short runs. With a faster turn-around and lower costs, you'll be able to take on more jobs, be more competitive, and ultimately bring in more customers and generate new business.

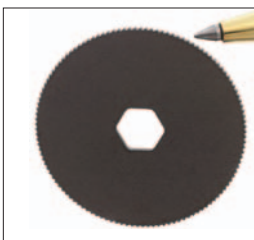
### CLEAN CUTTING



#### Create beautiful dross-free edges without deburring.

Conventional steels of up to 1.5 mm cut extremely well with nitrogen or oxygen assisted laser cutting. Our high powered, sealed CO2 laser systems offer "clean cutting" of stainless steel with nitrogen assisted cutting. This high powered application is simple, effective and inexpensive to run and maintain on a Beam Dynamics machine.

### FINE DETAIL



#### Develop fine detail and intricate parts with ease.

Laser cutting greatly simplifies the design and manufacturing process. It frees you to design complex parts that are difficult to make with conventional tools. The focused laser beam, as small as .004", produces intricate detail and very sharp corners. The process is non-contact, allowing very thin metals to be cut without damage. There are also no cutting tools that can wear or break, which means less downtime, fewer maintenance costs, and consistent precision over time.

*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.*



**BEAM offers more than just a cutting machine—we offer an extension directly into your workflow. Our cutting machines are run on standard CAD software, allowing you to easily setup your cutting job. The operator simply loads the material, selects the file to cut, and starts the machine.**

**Perform small jobs, large productions, fine engraving, and detailed parts with equal efficiency and accuracy on a BEAM machine. Up your production rate, extend your manufacturing line, and simplify your process with our fully integrated system.**

### **Reduce costs and operator time**

All types of materials 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. With virtually no setup time, multiple pallets and automated operation, there can be a dramatic reduction in operating hours compared to traditional cutting machines. You can create complex designs with no setup fees, retooling costs, or time-consuming setup changes. The process is non-contact, so there are no expensive cutting tools to wear or break.

### **A BEAM laser cutting system is an important tool for anyone producing metal parts because:**

**Gas assist nozzle:** The system uses gas assist nozzles to improve cut quality and allow metal cutting.

**No deburring:** Produces perfect, clean edges right off the machine.

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

**Less material waste:** Small kerfs give extremely precise cuts, resulting in a decrease in wasted materials.

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

**Zero tool load:** Clamping, complex, or dangerous holding methods are not required when cutting with a weightless beam of light. This is also very helpful when cutting small parts.

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

**Power control:** The system monitors the actual cutting speed and dynamically adjusts laser power as the speed changes to maintain consistent cut quality.

**Auto Focus:** A sensor automatically measures the material thickness and sets the focus appropriately so you don't have to do it by hand.



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.*