

sep 24,
2013

PERIDOT NEWS

WE'RE LASER-FOCUSED ON PRECISION MANUFACTURING

No Comments

At Peridot, we pride ourselves on offering a Swiss army knife of precision manufacturing capabilities (we're talking the SwissChamp XAVT Swiss version with the woodsaw, fishscaler AND the toothpick). We now proudly offer over forty different processes. Some we made a deliberate choice to get into over the years, while others, like laser processing, we got into out of necessity.

In the late 1990s, our need for sophisticated laser processing was increasing. Even in the tech-heavy Bay Area there were surprisingly few partners who could deliver what we needed. There were plenty of companies with large-format 1500-3000 watt CO2 machines perfect for sheet metal work, but nobody specializing in the highly complex components we often manufacture.

No longer willing to leave our destiny up to outside suppliers, we assembled the experts and equipment we needed to provide precision laser services in-house.



Our production facility now boasts 9 CNC (computer numerically controlled) laser work centers. Processes we offer include cutting, welding, drilling, ablating and marking/engraving. Our machines range from large 1500-watt machines, CO2 sheet cutters with 4-square-foot beds and highly specialized (and highly expensive) pulsed YAG stent and tube cutters capable of making the small, complex components used in today's minimally invasive surgery techniques.

Every day, we transform metal, plastic and other substances into increasingly intricate forms using the most advanced laser equipment available, including athermal, femto/picosecond, UV and green technology.

All of our equipment really gets a workout. Customers routinely challenge us with exotic material applications, incredibly fine details and designs incorporating materials that don't play well with one another. We accomplish amazing things by constantly investing in R&D and collaborating with manufacturing experts around the country. And it's not uncommon to see our customers' engineers poking around, working with us to develop even more efficient products and procedures.



RECENT POSTS IN PERIDOT NEWS

- We're laser-focused on precision manufacturing
- CNC Wireforming. Wire with a twist
- Spurcycle Bell Kickstarter Project
- Peridot's expertise in Electro-Mechanical assembly
- Sample Case for Texas Swing

RECENT POSTS IN INDUSTRY NEWS

- DIY Wire Bender!
- Craft Still Exists, and it Photographs Beautifully
- Re-shoring in America: Why Manufacturing Orders are Returning Home
- Metal Craft Taken to the Extreme
- Death of the Craftsman?

archives

- | | |
|----------------|----------------|
| september 2013 | august 2013 |
| july 2013 | june 2013 |
| may 2013 | march 2013 |
| february 2013 | january 2013 |
| december 2012 | october 2012 |
| september 2012 | august 2012 |
| july 2012 | june 2012 |
| april 2012 | february 2012 |
| january 2012 | december 2011 |
| november 2011 | september 2011 |
| august 2011 | july 2011 |
| june 2011 | |

peridot home



Articulating steerable assembly with laser cutting, CNC Swiss machining, laser welding, and laser engraving used for bone cement delivery



Custom machined and laser engraved forceps finger-pull laser welded to a 304 hypotube cannula



As you can tell, I'm pretty excited about what we can do with lasers. In the coming months I'll be discussing our three primary laser processes—cutting, engraving and welding—in more detail in a series of blog posts complete with detailed pictures and case studies.

I hope you find them interesting!

[Tweet](#)

[Switch](#)



PREVIOUS POST
CNC Wireforming, Wire with a twist

REQUEST A QUOTE

FIRST NAME
LAST NAME
COMPANY
EMAIL

SUBMIT >

CONTACT US

PERIDOT CORPORATION
1072 SERPENTINE LANE
PLEASANTON, CA 94566-4731

PHONE: 925.461.8830
FAX: 925.461.8833
PERIDOTCORP.COM

ABOUT PERIDOT CORP

Welcome to Peridot. Faster than a speeding deadline. Able to leap huge engineering obstacles in a single facility. It's a partner! It's a specialist! It's Peridot, your resource for design, prototyping, testing, fabrication and distribution of virtually any precision component. We can't quite bend steel with our bare hands (unless it happens to be very thin). But we can [laser weld, wireform, Hypotube form, laser burn, metal fab and much more](#), thanks to our state-of-the-art equipment and our super suits (particularly useful for our Class 10K clean room assembly). So when chaos threatens and your project is on the line, just call Peridot. And consider the day saved.

© 2013 Peridot Corp. All rights reserved.