

We recently sent out a questionnaire to all our jewellery customers and would like to thank you for your comments. One of the things requested was a Newsletter, so here it is! We have tried to include information that we thought would be of interest to you as a laser welder owner.

We have now installed over 50 jewellery lasers in Australia and NZ, so the awareness and knowledge of jewellery laser welding is growing.

The value of this newsletter will be much greater if you the jewellers send in your brief comments about your experiences using a laser welder. In each quarterly newsletter we will share 1 person's comments and thank them with a free gift. Thankyou to John for his comments below, your free 18Kt yellow gold Speedwire is on its way to you!

Also if you have any problems or questions about laser welding, please email them to me, as you can bet someone else is having the same problem. I will include a question & answer section in future newsletters.

Kind Regards, Neil Penman

New Parts:

We have recently become the sole agent of Speedwire. This is a new pen wire dispenser that jewellers in the US are finding easier to use than holding loose wire or the wire spools/bobbins. Please email us if you would like to be sent a price list for the Speedwires.



Maintenance Alerts:

We receive a number of calls about the LaserStar Maintenance Alerts. Maintenance should be done once every 12 months. The flashlamp contacts and gold reflectors are submerged in the cooling water. These parts will corrode if the DI water isn't kept pure, even if your usage is fairly low.

Reminder: If the maintenance alarm keeps coming up every time you turn the machine on, you need to press the up and down arrow keys whilst it is beeping to reset the alarm for 90 days.

Your Comments/Tips:

(John Ward Jewellery QLD)

The laser can be used to save time (and drill bits) by making clean pilot holes for stone settings. Set the laser on high voltage ~380v and small beam ~0.25mm diameter to produce a precise hole. Then just use your drill to clean up and setting bur to correct depth. Keep the piece at the correct axis just as for drilling and success is yours. Use a piece of leather inside a ring NOT your finger unless you like PAIN. 36 holes in less than 5 minutes beats drilling any day.

John Ward

M2 Laser Welding Tip:

When laser welding prongs it is possible to sometimes 'harden' the material, causing it to crack. This is basically due to too much heat. For these jobs it is advisable to use low milliseconds (~1.8ms), and not over work the material. The voltage should be reduced to a level that just gets the material flowing after 2-3 pulses. The objective is to bring the material up to melting point slowly to avoid the crystalline stage.

Your M2 Contacts:



Keith Ormesher BEng
Technical Support
keithormesher@m2lasers.com.au



Kate Slesarewich
Admin / Accounts
kateslesarewich@m2lasers.com.au



Neil Penman MSc
Managing Director
neilpenman@m2lasers.com.au

M2 Referral Programme:

If you refer a friend to us and they buy one of our lasers, we will thank you with \$200 towards any future parts purchased, including filler wires and maintenance parts. Just don't forget to email us the name of the person you have referred.