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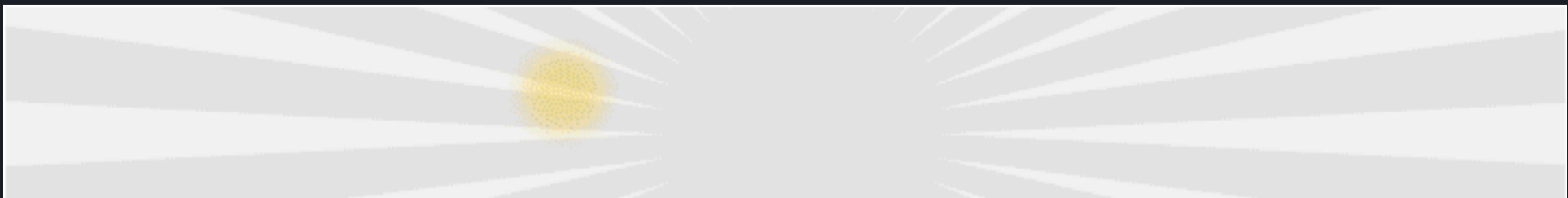
[Top Laser Pointers by Power - 500mW+](#)

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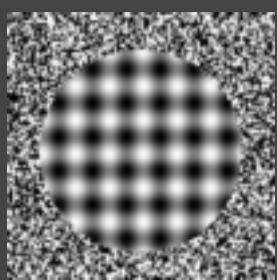
[High Power Laser Pointers](#)

[Laser Pointer Diodes](#)



jander6442

modder  
extraordinaire





Join Date: Jan 2009  
Location: Ft Myers Fl  
Posts: 2,995  
Rep Power: 524

 [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

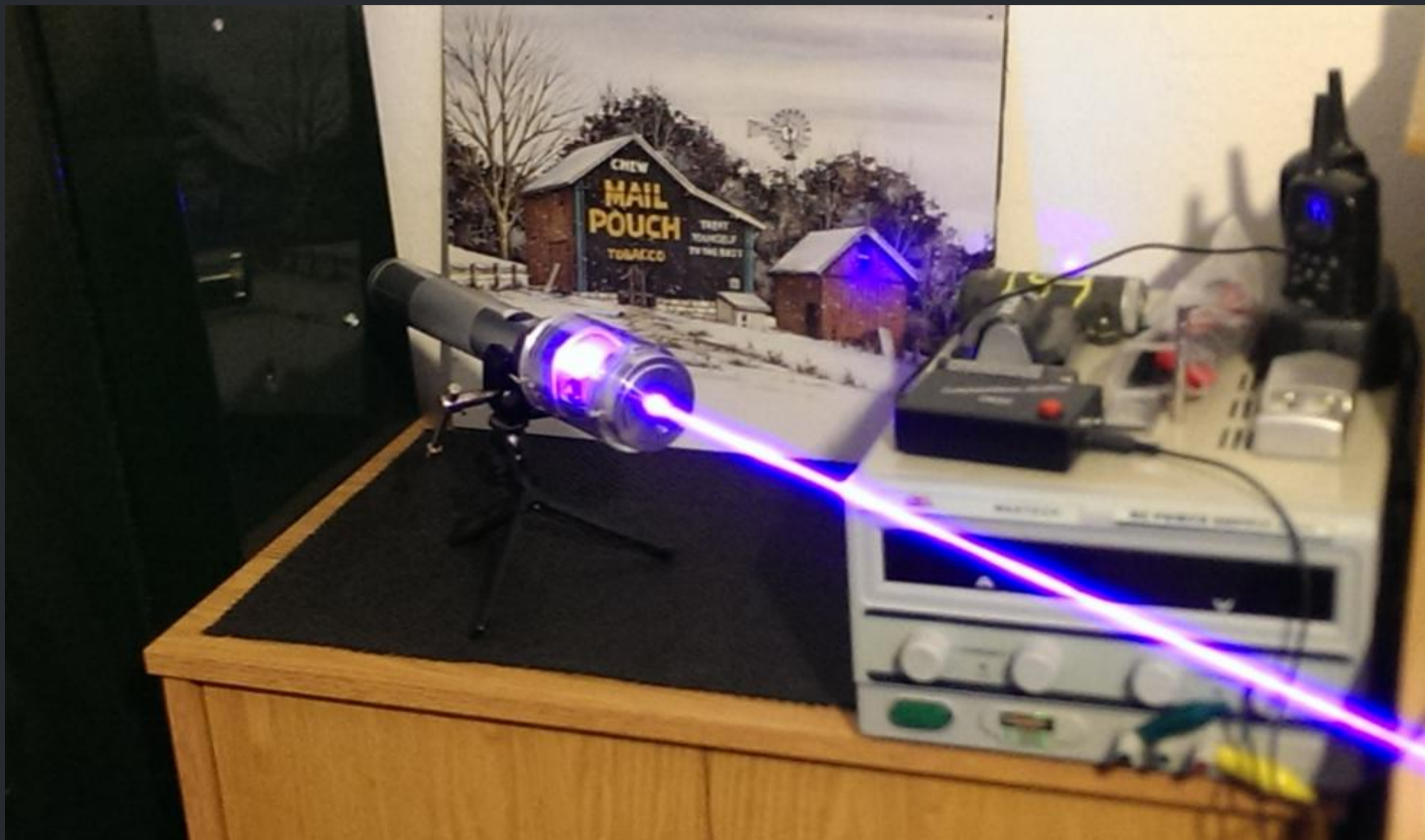
# Belphegor

## Godness of Artful Invention

This is #2 in my line of dual builds and I went straight back to the 3.8mm package 411nm diodes , as a matter of fact 2 of them.  Let me s

that the camera does not show how awesome the color is on this unit it really looks a creamy violet to me almost white 🤖

## Straight to beam shots

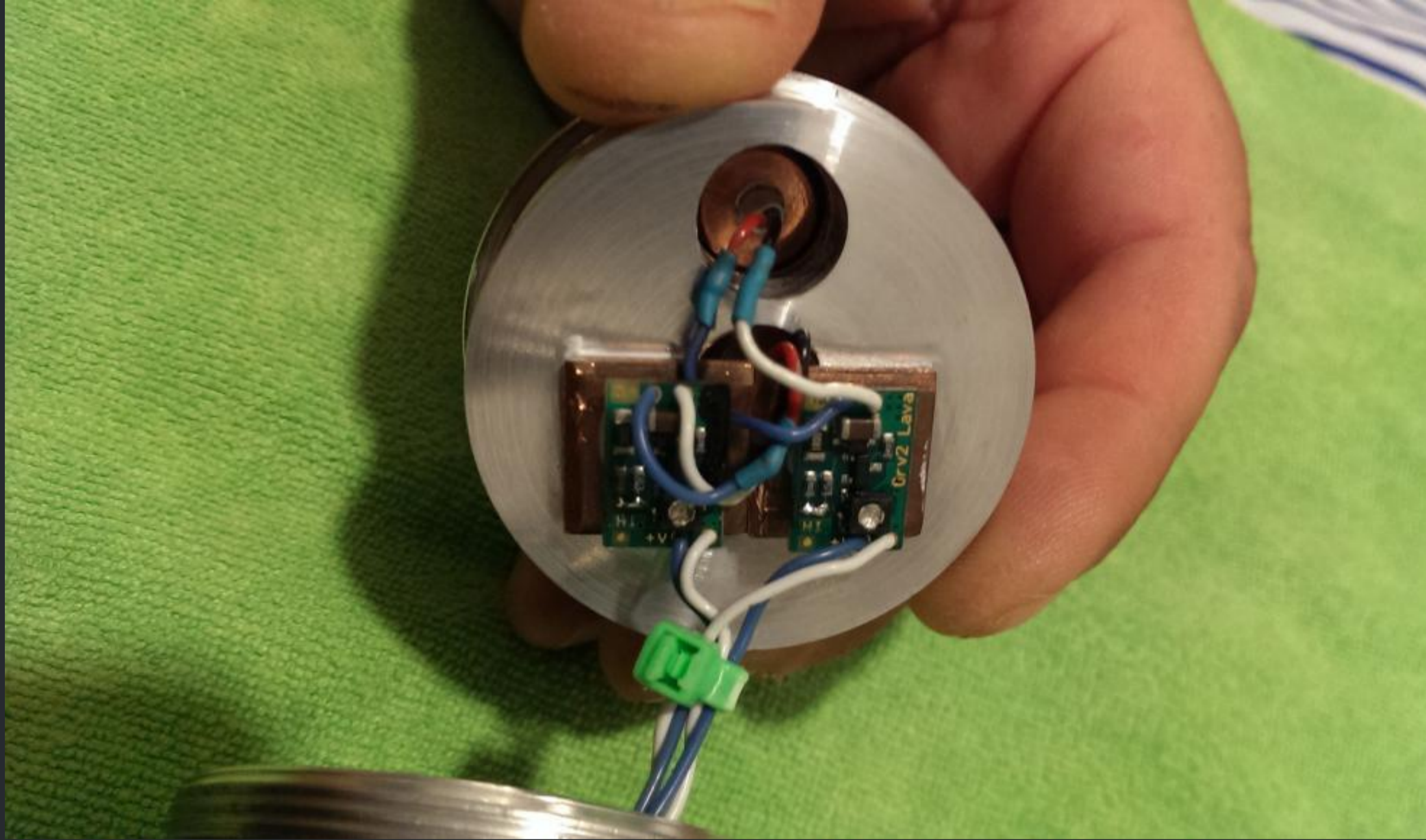




Great pic of those sugar sweet Newports .05" mounts. 🎄 🌲 🌲



Pretty straight forward I used 2 Groove 2 drivers as I mounted them on some copper pads. I chose the Groove driver, well just because I had so many already going on that I did not want to chance any malice to those honey suckle diodes. 🤪 🎄



The secret here are the mounts 🤔 This was way easy to align... NO... way fun to align 🤔 I must have had to do it 20X on this build and it literally only 2 to 3 minutes each time to get the beamz matched up.





As I finished the build I wrapped it up in an acrylic sleeve with a "end cap" this way it becomes compartmental, this aids in being able to adjust and down the unit as needed.





The diodes are being driven 1 @550mA the other @556mA and both diodes output was over 850mW for power. Everyone love GITD decals 🤖



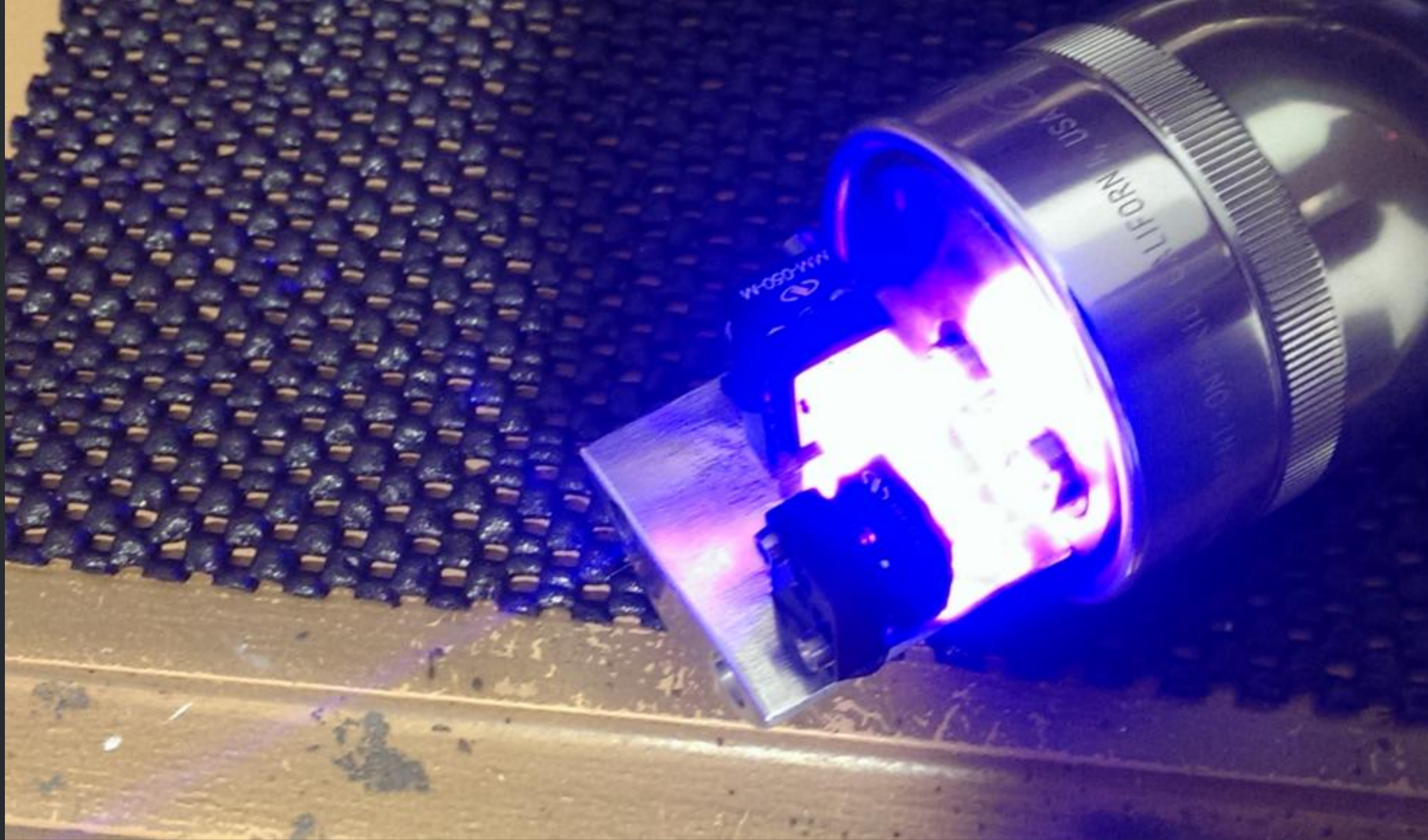


After each diode passing though a lens and either a dichro or a cubes there were some substantial loses. I can say the that this thing is a massive bu  
is a very dangerous HH it will smoke anything in it's path almost like a laserpen supersharp it burned the crap out of my fingers many times. 🤢  
Thats' right 1335mA well over 1W of gorgeous 411nm schweetness



Some closing pics







Thank you for looking I hope this build proves to be some eye candy for those who dwell here. <sup>THANKS</sup> 🤖 🧐 and if you have any questions just ask. As I always say get out there and build one. Thanks again.-jander6442

sAik M-140 foulmist boost "The Real Original Burner" as stated by my son



sAik 12x SO6J 842mW microboost



Dry 9mm 2.3W @1.829mA



The "Fire Farter"



Got butthurt feelings during a post... IF your new, read this.

DN

✖

will manners  
Class 2 Laser



Join Date: May 2013  
Location: NSW, Australia  
Posts: 498  
Rep Power: 115  
■■■■■■■■■■

ON

Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

You are indeed the *Modder Extraordinaire* 🐱👉👈🤖

Your V2 build looks absolutely stunning Jander 🤖 I especially like that you left the guts of it exposed. Makes you really appreciate the time and knowledge that went into creating such a masterpiece 🏆

gotta love australian laws

Laser collection:  
[405nm '1mW' ebay pen](#)  
[445nm 3W 9mm MS-SSW](#) build thread  
[532nm 30mW ebay pen](#)  
[532nm 50mW 303 ebay laser](#) gallery  
[1W 638nm MS-V1](#)  
[650nm '1mW' ebay pen](#)

SkyRay King 3 XML-U2, Ultrafire C20 XML T6, MXDL pen

Our greatest glory is not in never falling, but in rising every time we fall.  
Confucious

Eagle Pair 190-540nm Laser Safety Goggles

QUOTE

BowtieGuy  
Class 2M Laser



Join Date: Oct 2012  
Location: S.E. Michigan U.S.A.  
Posts: 712  
Rep Power: 160  
■■■■■■■■■■

OFF

Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

A truly great build jander! 🤖

Your trademark see through acrylic sleeve really sets these dual diode builds apart from the crowd. A very professional looking job!



Nice eye candy indeed! +rep

[405nm 58mW pen](#)  
[445nm DIY Build "Ole Blue" \(2.8W+\)](#) -link-  
[445nm 1.3W JETLASERS PL-E \(1.5W\)](#)  
[532nm 500mW JETLASERS PL-E \(754mW\)](#)  
[532nm 150mW Optotronics pen \(159mW\)](#)  
[532nm 100mW JETLASERS TI-B \(161mW\)](#)  
[532nm 5mW "Eclipse" mints tin \(54mW\)](#) -link-  
[589nm 80mW CNI PGL-III-C \(154mW\)](#)  
[638nm Modified JETLASERS TI-B \(232mW\)](#) -link-  
[638nm Build in sinner's "MS-SSW Stubby" \(1.25W\)](#) -link-  
[650nm <5mW Build, focusable](#) -link-  
[650nm <5mW pen \(2\)](#)

LK-3D Projector

5W Ophir/dmm LPM

Last edited by BowtieGuy; 06-17-2014 at 03:12 PM.

QUOTE

madmacmo  
Class 1M Laser



Join Date: Dec 2009  
Location: No Vacancy  
Posts: 219  
Rep Power: 378  
■■■■■■■■■■

Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.



Belphegor  
Goddess of Invention

DN

QUOTE

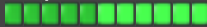
06-17-2014, 04:28 PM

#5

Smeerworst  
Class 3R Laser



Join Date: Mar 2011  
Location: Netherlands  
Posts: 1,455  
Rep Power: 229



DN

 **Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.**

Ohhhh my ..... If you ever need cash 🤔 just pm me ^^..

Love that build!  
Would love to have one of these....  
Guess i found something new to dream about tonight.

Cheers, Sm.

Too much to list all.

Lazeerer custom polished L6 porcupine build 3.8mm 405nm 1W  
Dragonlaser Spartan 405nm 300mW Polished  
SKYlasers HL405 405nm 550mW  
Wicked Lasers Sonar Elite Pro (Blu-Ray, 20mW)  
2x Dragonlaser Spartan 447nm 1.1W with Beam Expander  
TrustFire Cree Z5 2W+ 445nm Custom build  
Blord build Big Boy 3W 445nm  
Wicked Lasers S3 Arctic 445nm 1.25W  
Ultrafire C3 host Osram 450nm 180mW single mode  
Optotronics RPL-B 473nm peak@112mW viasho upgraded  
Wicked Lasers S3 473nm portable 112mW LE  
473nm >300 Lab laser  
1.4W 520nm - The Hulk - MS-SSW-II Custom Direct Green DTR  
SKYlasers PL520 520nm 80mW  
Laserglow Hercules-650 532nm 850mW 777mW avg  
Optotronics 450 RPL-G 532nm >570mW peak  
Wicked Lasers Krypton 1W 532nm avg 997mW pk 1268mW  
Jetlasers PL-E Pro >800mW  
Laserglow Rigel HV PRO-50 589nm 95.1mW  
CNI PGL III C >80mW 589nm  
LaserGlow Rigel 6 593.5nm 8mW  
Wicked Lasers Spyder II RX (Limited Edition, >300mW) 600mW peak  
RHD build SH-032 host 635nm 500mW  
RHD build Red Bulldog 638nm 1W+  
Dragonlaser Spartan 640nm 100mW  
SKYlasers PL650 650nm 1W  
RGB and RGY Scanner 1.5W  
Flashlights: HID Polaron PH-40, LED Olight SR-90

QUOTE

06-17-2014, 04:52 PM

#6

RayJay  
Class 1M Laser



Join Date: May 2014  
Location: I come from a land down under!  
Posts: 188  
Rep Power: 11

OFF

 Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

Droool.... Wow. So beautiful. Where can i get one of those heads for the dual diodes?

- 405nm 800mW custom stolen
- 405nm 250mW customstolen
- 445nm 3602mW "The Desolator" stolen
- 445nm 2810mW custom
- 445nm 2106mW custom stolen
- 445nm 1600mW C6 stolen
- 473nm 13mW Penstolen
- 520nm 200mW C3
- 532nm 323mW custom stolen
- 532nm 606mW WarnL Storm stolen
- 593.5nm 8mW rigel6stolen
- 638nm 420mW customstolen
- 650nm 756mW customstolen
- 808nm 2604mW customstolen
- Ophir 20c hooked up to multimeter stolen

All "custom's" are made by me. 😊stolen\* All taken in break in

QUOTE

06-17-2014, 09:38 PM

#7

IsaacT  
Class 4 Laser



Join Date: Aug 2010  
Location: Austin, TX  
Posts: 5,382  
Rep Power: 404

ON

 Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

Where did you get 411nm diodes??? I would love to get some high wavelength purp for a build. I love the beam combining you did, looks super slick! And the Acrylic is exactly what I have been considering for a 400mW 532nm Custom job soon. I want all the processes exposed!

CURRENT PROJECT

445nm - 6W "The Adegan Relic"  
Estimated Cost: \$600  
Estimated Completion Date: DELAYED

PROJECT ON DECK

405nm/660nm - 800mW "The Alchemyst's Stone"  
Estimated Cost: \$250  
Estimated Completion Date: TBD

ALL MY BUILDS/REVIEWS HERE

"This is the weapon of a Jedi Knight.  
Not as clumsy or random as a blaster;  
an elegant weapon for a more civilized age."  
- Kenobi

MY BEST BUILDS

[Aquarius](#) | [Frost](#) | [Ivy](#)

QUOTE

06-17-2014, 09:41 PM

#8

ChaosLord  
Class 2 Laser



Join Date: Feb 2013  
Location: Louisville, KY  
Posts: 434  
Rep Power: 63

ON

 Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

That is just awesome! And you make it sound so easy...

+rep good sir!

- 405nm SkyLaser PL 300-500 - ~500mW (523mW);| SkyLaser LP 5-80 - 5mW
- 405nm SkyRay 12X S06J w/450mA microboost - 485mW
- 445nm ZeroLaser 2x18650 host 9mm w/2.3A X-drive - 2.8W;| Trustfire A8 9mm w/2.4A X-drive - "The Sentinel" ~3W;| Blord 501B build - 2.1W
- 445nm JetLasers PL-E - ~1.25W (1.32W)
- 450nm Osram PLTB450 in Survival laser S4 host - 1.48W
- 450nm Osram PL450B with ~280mA microboost in C6 host - 235mW Build here
- 473nm CNI lab 40mW
- 520nm PL520 w/300mA x-boost in S4 host - 102mW Build here
- 532nm JetLasers Ti-B - 100mW (151mW)
- 589nm Dragonlasers Spartan 50mW
- 638nm Mits module in Survival laser C6 host custom build - 677mW;| Opnext single mode 290mA x-drive in SL Steel C6 host w/extended copper HS - 230mW
- 650nm copper module in C6 host - ~300mW (230mW) Build here
- 650nm module in custom host - ~300mW (224mW) "LiL Red Eye" Build Here

Bluefan basic LPM Mark II 4W

QUOTE

06-17-2014, 11:08 PM

#9

Wmacky  
Class 1M Laser

Join Date: May 2014  
Location: Middleburg Florida  
Posts: 101  
Rep Power: 4

ON

 Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

A fantastic build!

*Last edited by Wmacky; 06-18-2014 at 12:05 PM.*

QUOTE

06-17-2014, 11:10 PM

#10

IsaacT  
Class 4 Laser

 Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

BTW a +4 rep to you for the hilarious thread tag of "Dave please give us reps" lol. Cracked me up.

CURRENT PROJECT



Join Date: Aug 2010  
Location: Austin, TX  
Posts: 5,382  
Rep Power: 404

ON

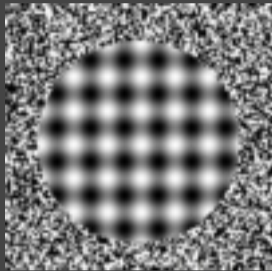
445nm/6W "The Adegan Relic"  
Estimated Cost: \$600  
Estimated Completion Date: DELAYED  
**PROJECT ON DECK**  
405nm/660nm - 800mW "The Alchemyst's Stone"  
Estimated Cost: \$250  
Estimated Completion Date: TBD  
**ALL MY BUILDS/REVIEWS HERE**  
"This is the weapon of a Jedi Knight.  
Not as clumsy or random as a blaster;  
an elegant weapon for a more civilized age."  
- Kenobi  
**MY BEST BUILDS**  
[Aquarius](#) | [Frost](#) | [Ivy](#)

QUOTE

06-17-2014, 11:18 PM

#11

jander6442  
modder extraordinaire



Join Date: Jan 2009  
Location: Ft Myers Fl  
Posts: 2,995  
Rep Power: 524

ON

**Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.**

Quote:

Originally Posted by **IsaacT** :  
*BTW a +4 rep to you for the hilarious thread tag of "Dave please give us reps" lol. Cracked me up.*

Waiting for someone to pick that up u should see some of my other tags from the past.

[sAik M-140 foulmist boost "The Real Original Burner" as stated by my son](#)



[sAik 12x SO6J 842mW microboost](#)



[Dry 9mm 2.3W @1.829mA](#)



[The "Fire Farter"](#)



**Got butthurt feelings during a post... IF your new, read this.**

QUOTE

06-18-2014, 12:04 AM

#12

Cyparagon  
Class 4 Laser



Join Date: Sep 2007  
Location: Wisconsin  
Posts: 7,356  
Rep Power: 591

ON

**Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.**

Quote:

Originally Posted by **IsaacT** :  
*Where did you get 411nm diodes???*

Most high power violet tends to be in that range. I've seen violet range from 403-417nm, and I've only measured maybe 5 diodes. The wavelength depends on the diode, the temperature, and the drive current.

A problem well stated is a problem half solved.

QUOTE

06-18-2014, 12:26 AM

#13

crazyspaz  
Class 3R Laser

**Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.**

Ah, a welcome change from the usual multi 445 builds. Love being able to see a bit of the internals too, really gives this build a unique edge. Can't wait to see what the next build is in your dual-diode lineup 😊

[-450nm-150mW](#)  
[-SkyLasers LP515 50mW](#)  
[-532nm-50mW,75mW DIY, Skylasers HL300, 250mW CNI labby](#)



Join Date: Jul 2012  
Location: IN, United States  
Posts: 1,222  
Rep Power: 124

ON

-638nm 450mW  
-650nm-300mW DIY "Pocket burner"  
-eBay RGB module 200mW

QUOTE

06-18-2014, 02:58 AM

#14

## CDBEAM777

Class 2 Laser



Join Date: Feb 2010  
Posts: 311  
Rep Power: 132

ON

Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

Jander....Truly a beautiful build !!!

The use of an Acrylic canopy is exactly to my liking !!

The incorporation of existing, off the shelf micro MM1's for PBC and steering mirror....again.....perfect !!

Another " Combiner " enters the arena !!!

MMMmmm...First....a trickle....then....a small stream....then....a small creek...THEN.... A RIVER.....The " Combiner " class will grow and grow !!!

Great review !!! Thanx for sharing !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

"Combiners"....RULE !!!

Lite'em Up CDBEAM=====>

Last edited by CDBEAM777; 06-18-2014 at 01:54 PM.

QUOTE

06-18-2014, 11:35 PM

#15

## Hemlock\_Mike

Class 4 Laser



Join Date: Jan 2007  
Location: just Iowa  
Posts: 5,936  
Rep Power: 280

ON

Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

I really like the "skylight"!!!  
Good to show others the way.  
HMike

Stop pi\$ing like a puppy, Sherman!!

QUOTE

06-19-2014, 01:26 AM

#16

## CDBEAM777

Class 2 Laser



Join Date: Feb 2010  
Posts: 311  
Rep Power: 132

ON

Re: [Dual 411nm 1335mW] 2D MAG with PBS cube & Newport mounts.

Quote:

Originally Posted by **Hemlock\_Mike** :  
*I really like the "skylight"!!!  
Good to show others the way.  
HMike*

Oh....No...I'm gonna "Piss lika Puppy".....the " Dragon's Head" build was the first to incorporate a " Skylight "....to show off the beauty of the internal workings....See Now Completed Optically Corrected P73 HH Design....

SO....I lay claim to that little ditty....But....I DO think it is a great way to illustrate/Show off the internals  
!!!!....Mmmm....Wah, Wah !!!

Lite'em Up CDBEAM=====> 🎅🎅🎅

Lite'em Up CDBEAM=====>

TRIDENTIS BUILD-Three (3) 445 Combiner-Knife edge  
DRAGON'S HEAD BUILD-Optically corrected P73  
LAWGIVER II BUILD-Dual C-Mount( Waiting for drivers)

QUOTE


Tags


dave give us some reps, dual laser, high power, mag-lite

# Database of Laser Pointer Companies


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
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 Switch to Threaded Mode

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All times are GMT. The time now is 03:13 AM.