



# LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

# LASER CRYSTALS

## Nd:YAG, Nd:YLF, Er:YAG ALEXANDRITE & RUBY

Issue 3.



Intelligent Solutions, Manufacturing & Development



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## LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

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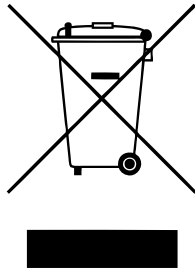
## RoHS and WEEE conformity statements

As a company, Laser SOS actively embraces its legal and environmental obligations outlined by the WEEE and RoHS directives. We see these regulations as a positive and responsible change to protect the environment.



### RoHS

All products that are subject to the European Community directive 2002/95/EC supplied by Laser SOS from 1st July 2006 are compliant with the requirements. Such products are marked with the RoHS symbol (adjacent).



### WEEE

All products that are subject to the WEEE Directive 2002/96/EC supplied by Laser SOS from 13th August 2005 are compliant with the WEEE marking requirements. Such products are marked with the “crossed out wheelie bin” WEEE symbol shown on the left in accordance with European Standard EN 50419. Our WEEE Producer registration number is WEE/EF0248QZ.

# LASER CRYSTALS

Nd:YAG, Nd:YLF, Er:YAG,  
ALEXANDRITE & RUBY  
For All Solid State Laser Systems



Neodymium doped Yttrium Aluminium Garnet (Nd:YAG) is the most commonly used solid-state lasing medium in CW/QS lamp and diode pumped laser system. Nd:YAG has relatively good optical absorption and conversion efficiency with good thermal dissipation, low lasing and high optical damage thresholds. This makes it optimal for use in high power lasers.

To optimize the beam quality and maximize the output power, it is necessary to select the correct Nd dopant levels. A low level of dopant will yield low multimode output power but provides a superior fundamental mode (TEM<sub>00</sub>) quality. A medium level of dopant will yield higher multimode output power with a good quality beam (TEM<sub>01</sub>) mode. A higher level of dopant will provide maximum multimode power but beam quality will suffer. YAG rods with maximum dopant level are predominantly used for pulsed lasers where peak power is required and the beam quality is maintained by using collimating optics or fibre optic delivery systems.

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# LASER CRYSTALS

Nd:YAG, Nd:YLF, Er:YAG  
ALEXANDRITE & RUBY

For All Solid State Laser Systems

Intelligent Solutions, Manufacturing & Development

| Item Part Number      | Description                              | Laser Rail                                     |
|-----------------------|--|--|
| <b>AB LASER INC.</b>  |  |  |
| YR479                 | 4 mm × 79 mm, Multimode                  | StarMark SM65, SM90, 600, 2000, 6000 Series    |
| YRA6479               | 4 mm × 79 mm, Mounted                    | 600, 2000, 6000 Series                         |
| YR512                 | 4 mm × 79 mm, TEM <sub>00</sub>          | 600, 2000, 6000 Series, Star Mark SM65, SM90   |
| YRA6512               | 4 mm × 79 mm, Mounted, TEM <sub>00</sub> | 600, 2000, 6000 Series                         |
| YRA633                | 4 mm × 79 mm, Mounted                    | StarMark SM65, SM90                            |
| YR254                 | 6.35 mm × 105 mm Pulsed                  | StarWeld 4001, 4002, 5001, 6001, SC18, LPKF720 |
| YR2540                | 6.35 mm × 105 mm, F/CX                   | Baasel, P/N 101101750, 101101749               |
| YR254CVX              | 6.35 mm × 105 mm, Flat/CC                | StarWeld, P/N 101101767                        |
| YRA7000               | 6.35 mm × 105 mm, Mounted                | StarWeld 4001, 4002, 5001, 6001                |
| YR579                 | 5 mm × 79 mm, Multimode (Upgrade)        | StarMark SM65, SM90                            |
| YRA634                | 5 mm × 79 mm, Mounted (Upgrade)          | StarMark SM65, SM90                            |
| YR4125                | 4 mm × 125 mm, TEM <sub>00</sub>         | StarMark 150 W                                 |
| YRASTAR4125           | 4 mm × 125 mm, Mounted                   | StarMark 150 W                                 |
| YR5125                | 5 mm × 125 mm, Multimode                 | StarMark 150 W                                 |
| YRASTAR150            | 5 mm × 125 mm, Mounted                   | StarMark 150 W                                 |
| YRASC18               | 6.35 mm × 105 mm, Mounted                | Baasel SC18, PKF720, 102100879                 |
| ALEX5111              | 5 mm × 111 mm, Alexandrite               | Alexandrite EpiXan BLM1000AX                   |
| YR256                 | 6.35 mm × 153 mm                         | Baasel LSW730, SW250                           |
| ALEXA1000AX           | 5 mm × 111 mm, Mounted                   | Baasel Alexandrite EpiXan BLM1000AX            |
| <b>ADRON</b>          |  |  |
| YR38150               | 9.525 mm × 150 mm                        | High Power Pulsed Laser                        |
| <b>ADVANCED LASER</b> |  |  |
| YR479                 | 4 mm × 79 mm, Multimode                  | Lee Laser 712                                  |
| YRA712                | 4 mm × 79 mm, Mounted                    | Lee Laser 712                                  |
| <b>ALLIED/APOLLO</b>  |  |  |
| YR6354                | 6.35 mm × 4" (102 mm)                    | High Power Pulsed Laser                        |
| YRI4614               | 6.35 mm × 6.25" (159 mm)                 | High Power Pulsed Laser                        |
| <b>ALPHA LASER</b>    |  |  |
| YR254                 | 6.35 mm × 105 mm Pulsed                  | Alpha ALS35, ALS35S, ALS75                     |
| YRA254                | 6.35 mm × 105 mm Mounted                 | Alpha ALS35, ALS35S, ALS75                     |

| Item Part Number             | Description                       | Laser Rail  |
|------------------------------|-----------------------------------|---|
| <b>APOLLO</b>                |                                   |   |
| RUBY343                      | ¾" × 76 mm                        | Apollo Ruby Laser                                   |
| RUBY18                       | 1" × 203 mm                       | Apollo Ruby Laser                                   |
| RUBY1344                     | 1¾" × 102 mm                      | Apollo Ruby Laser                                   |
| <b>AUREL</b>                 |                                   |   |
| YR512                        | 4 mm × 79 mm                      | NAVS2   |
| <b>BAASEL LASERTECHNIK</b>   |                                   |   |
| YR479                        | 4 mm × 79 mm, Multimode           | 600, 2000, 6000 Series, StarMark SM65, SM90         |
| YRA6479                      | 4 mm × 79 mm, Mounted             | 600, 2000, 6000 Series                              |
| YR512                        | 4 mm × 79 mm, TEM <sub>00</sub>   | 600, 2000, 6000 Series, StarMark SM65, SM90         |
| YRA6512                      | 4 mm × 79 mm, Mounted             | 600, 2000, 6000 Series                              |
| YRA633                       | 4 mm × 79 mm, Mounted             | StarMark SM65, SM90                                 |
| YR4125                       | 4 mm × 125 mm, TEM <sub>00</sub>  | StarMark 150 W                                      |
| YRA634                       | 5 mm × 79 mm, Multimode (Upgrade) | StarMark SM65, SM90                                 |
| YR9555                       | 5 mm × 79 mm, Mounted (Upgrade)   | StarMark SM65 SM90                                  |
| YRASTAR4125                  | 5 mm × 125 mm, Mounted            | StarMark 150 W                                      |
| YR5125                       | 5 mm × 125 mm, Multimode          | StarMark 150 W                                      |
| YRastar150                   | 5 mm × 125 mm, Mounted            | StarMark 150 W                                      |
| YR2540                       | 6.35 mm × 105 mm, F/CX            | Bassel P/N 101101750, 101101749                     |
| YR254                        | 6.35 mm × 105 mm Pulsed           | StarWeld 4001, 4002, 5001, 6001, SC18, LPKF720      |
| YR254CVX                     | 6.35 mm × 105 mm, Flat/CC         | StarWeld, P/N 101101767                             |
| YRASCI8                      | 6.35 mm × 105 mm, Mounted         | Bassel SC18, LPKF720, 102100879                     |
| YRA7000                      | 6.35 mm × 105 mm, Mounted         | StarWeld 4001, 4002, 5001, 6001                     |
| ALEX5111                     | 5 mm × 111 mm, Alexandrite        | Alexandrite EpiXan BLM 1000AX                       |
| YR256                        | 6.35 mm × 153 mm                  | Bassel LSW730, SW250                                |
| ALEXA1000AX                  | 5 mm × 111 mm, Mounted            | Bassel Alexandrite EpiXan BLM1000AX                 |
| <b>BAUBLYS CONTROL LASER</b> |                                   |   |
| YR5130                       | 5 mm × 130 mm                     | Baublys 120W  |
| YR4181                       | 4 mm × 181 mm                     | Baublys PCBL4-3, BL150W, Spectron SL13020           |
| YR270                        | 4 mm × 105 mm                     | Baublys BL65, Spectron SL902, SL902Q, SL903, SL903Q |
| <b>BIOS</b>                  |                                   |   |
| ERYAG4115                    | 4 mm × 115 mm                     | Bios Er:YAG Laser                                   |
| <b>B.M.I.</b>                |                                   |   |
| YR37545                      | 9.525 mm × 4.5" (114 mm)          | High Power Pulsed Laser                             |

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Nd:YAG, Nd:YLF, Er:YAG  
ALEXANDRITE & RUBY

For All Solid State Laser Systems

| Item Part Number     | Description              | Laser Rail  |
|----------------------|--------------------------|---|
| <b>B.O.C.</b>        |                          |   |
| YR369                | 3 mm × 69 mm             | 101, 102  |
| YR569                | 5 mm × 69 mm             | 103   |
| YR201                | 6.35 mm × 3.125" (79 mm) | 201, 203, High Power Pulsed Laser                           |
| <b>CHICAGO LASER</b> |                          |   |
| YR510                | 4 mm × 54 mm             | CLS510, Control 510   |
| YRA510               | 4 mm × 54 mm, Mounted    | CLS510, Control 510   |
| YR512                | 4 mm × 79 mm             | CLS375, CLS39, CLS977, CLS907, CLS960, Control 512, Lee 708 |
| YRA512               | 4 mm × 79 mm, Mounted    | CLS512, CLS375, Control 512, 514                            |
| YR258                | 3 mm × 79 mm             | CLS375, CLS39, Control 520, Lee 712                         |
| YRA258               | 3 mm × 79 mm, Mounted    | CLS520, CLS375, Control 520                                 |
| YRA708               | 4 mm × 79 mm, Mounted    | CLS39, CLS977, CLS907, CLS960, Lee708                       |
| YRA712               | 3 mm × 79 mm, Mounted    | CLS375, CLS39, Lee 712                                      |
| <b>CHROMATRON</b>    |                          |   |
| YRA811               | 4 mm × 105 mm, Mounted   | Induwrite 100 Watt  |
| <b>CLEAN LASER</b>   |                          |   |
| YR479                | 4 mm × 79 mm             | CWQ2025   |
| YR9555               | 5 mm × 79 mm             | CWQ2040   |
| YR715                | 4 mm × 108 mm            | CWQ2045   |
| <b>CONTINUUM</b>     |                          |   |
| YR6115               | 6 mm × 115 mm            | SureLite  |
| YR60115              | 6 mm × 115 mm            | Powerlite 8000  |
| YR952115             | 9.52 mm × 115 mm         | Powerlite 8000  |
| <b>COHERENT</b>      |                          |   |
| YLF4115              | 4 mm × 114 mm            | Merlin  |
| YLFA4115             | 4 mm × 114 mm, Mounted   | Merlin  |
| YR101524             | 10 mm × 152.4 mm         | M34   |
| <b>CONTROL LASER</b> |                          |   |
| YR510                | 4 mm × 54 mm             | 510, 511, H-507   |
| YRA510               | 4 mm × 54 mm Mounted     | 510, 511, H-507   |

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| Item Part Number | Description                       | Laser Rail   |
|------------------|-----------------------------------|--|
| YR479            | 4 mm × 79 mm, Multimode           | 512, 513, 520, 612, Instamark, Elite, Emblem, Script, Icon |
| YRA479           | 4 mm × 79 mm                      | 512, 513, 520, 612, Instamark, Elite, Emblem, Script       |
| YR512            | 4 mm × 79 mm, TEM <sub>00</sub>   | 512, 513, H-S 14, 612                                      |
| YRA512           | 4 mm × 79 mm, Mounted             | 512, 513, H-S 14, 612                                      |
| YRA514           | 4 mm × 79 mm, Mounted             | 514  |
| YRA520           | 4 mm × 79 mm, Mounted             | 520  |
| YR258            | 3 mm × 79 mm, TEM <sub>00</sub>   | 520, 620   |
| YRA258           | 3 mm × 79 mm, Mounted             | 520  |
| YRA620           | 3 mm × 79 mm, Mounted             | 620  |
| YR270            | 4 mm × 105 mm                     | 512 PLUS, Script 100, Signature 100                        |
| YRA2700          | 4 mm × 105 mm, Mounted            | 512 PLUS, Script 100, Signature 100                        |
| YR530            | 6.35 mm × 4.125" (105 mm)         | 530, 531, 532, 534, 536, 630                               |
| YRA530           | 6.35 mm × 4.125", Mounted         | 530, 531, 532, 534, 536, 630                               |
| YR400            | 9.525 mm × 4.5" (115 mm)          | 400, 428, 438, 440-8, 480-16                               |
| YRA400           | 9.525 mm × 4.5" (115 mm), Mounted | 400, 428, 438, 440-8, 480-16                               |
| YRAICON          | 4 mm × 79 mm Mounted              | Icon   |

### CRAFFORD PRECISION PRODUCTS

|         |                           |                  |
|---------|---------------------------|------------------|
| YRA7000 | 6.35 mm × 105 mm, Mounted | Laser Star, 7000 |
| YR254   | 6.35 mm × 105 mm          | Laser Star, 7000 |

### CYNOSURE

|            |                               |                           |
|------------|-------------------------------|---------------------------|
| ALEX635120 | 6.35 mm × 120 mm, Alexandrite | Cynosure Photo Genica T10 |
|------------|-------------------------------|---------------------------|

### C.V.I. LASER

|       |              |     |
|-------|--------------|-----|
| YR375 | 3 mm × 75 mm | C95 |
|-------|--------------|-----|

### DEK LASER

|       |              |  |
|-------|--------------|--|
| YR479 | 4 mm × 79 mm | Laser Tri mmer, Spectron SL501Q, SL501TQ |
|-------|--------------|--|

### EKSMA/EKSPLA

|            |                 |                  |
|------------|-----------------|------------------|
| YR2785W3W3 | 6.35 mm × 85 mm | PL2143A, PL2143B |
|------------|-----------------|------------------|

### ELECTROX

|           |                 |                  |
|-----------|-----------------|------------------|
| YR51524   | 5 mm × 152 mm   | Scriba II, 120 W |
| YR5101607 | 5 mm × 101.6 mm | Scriba I, 85 W   |

### E.S.I.

|        |                       |  |
|--------|-----------------------|--|
| YR510  | 4 mm × 54 mm          | 25,44, Control 510                                       |
| YRA510 | 4 mm × 54 mm, Mounted | 25,44, Control 510                                       |
| YR512  | 4 mm × 79 mm          | 44.3573, Control 512, 514                                |
| YRA512 | 4 mm × 79 mm, Mounted | 44, Control 512  |
| YR258  | 3 mm × 79 mm          | 44, 80, 2000, 3570, 3571, 3572, 4000A, 4200, Control 520 |

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Nd:YAG, Nd:YLF, Er:YAG  
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For All Solid State Laser Systems

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| Item Part Number                 | Description                               | Laser Rail   |
|----------------------------------|---|--|
| YRA258                           | 3 mm × 79 mm, Mounted                     | 44, Control 520                                    |
| YRA570                           | 3 mm × 79 mm, Mounted                     | 44, 80, 2000, 2570, 3571, 3572, 4000A,4200         |
| YRA573                           | 4 mm × 79 mm, Mounted                     | 44, 3573, 4000A, 4200                              |
| <b>EXCALIBUR</b>                 |   |  |
| YRI173B                          | 3 mm × 108 mm, TEM <sub>00</sub>          | XLS572   |
| YRA1173                          | 3 mm × 108 mm, Mounted                    | XLS572   |
| <b>FOBA</b>                      |   |  |
| YR4117                           | 4 mm × 117 mm                             | Fobalax 90MK DT, 945, 845                          |
| <b>FOTONA</b>                    |   |  |
| YR270                            | 4 mm × 105 mm                             | YAG22  |
| <b>FLOROD</b>                    |   |  |
| YR512                            | 4 mm × 79 mm                              | 40, 41, 42, 70, MEL 40                             |
| YRA512                           | 4 mm × 79 mm, Mounted                     | 40, 41, 42, 70                                     |
| YRA708                           | 4 mm × 79 mm, Mounted                     | MEL 40   |
| <b>FOX LABS</b>                  |   |  |
| YR369                            | 3 mm × 69 mm                              | 7400, Quantronix 114                               |
| YRA1143                          | 3 mm × 69 mm, Mounted                     | 7400, Quantronix 114                               |
| <b>GENERAL SCANNING / G.S.I.</b> |   |  |
| YR718                            | 4 mm × 108 mm                             | Hi-Mark 400, 800, 6000                             |
| YRA718                           | 4 mm × 108 mm, Mounted                    | Hi-Mark 400  |
| YRA815                           | 4 mm × 108 mm, Mounted, M/Mode            | Hi-Mark 400, 800, 6000, 1500SM, 1900SM             |
| YRA818                           | 4 mm × 108 mm, Mounted, TEM <sub>00</sub> | Hi-Mark 400, 800, 6000                             |
| <b>GRETAG</b>                    |   |  |
| YR270                            | 4 mm × 105 mm                             | 6210, 6211, Spectron SL902, SL902Q, SL903, SL903Q  |
| <b>GSI LUMONICS</b>              |   |  |
| YR38614                          | 9.525 mm × 6.25", Unmounted               | GSI Lumonics MS330, MS830, JK701, JK704, 12250220A |
| YRA5000                          | 9.525 mm × 6.25", Mounted                 | GSI Lumonics MS330, MS830, JK701, JK704            |
| YR512A                           | 4 mm × 79 mm, TEM <sub>00</sub>           | WaferMark 345, II, Softmark, Lightwriter           |
| YRA1164                          | 4 mm × 79 mm, Mounted                     | WaferMark 345, II, Softmark, Lightwriter           |

| Item Part Number | Description                    | Laser Rail                           |
|------------------|--------------------------------|--------------------------------------|
| YR8193           | 8 mm × 193 mm, Unmounted       | GSI Lumonics Multiwave 1225110YA     |
| YR14614          | 6.35 mm × 158.75 mm, Unmounted | GSI Lumonics JK702, JK703, 12250430A |
| YR201            | 6.35 mm × 3.125" (79 mm)       | JK 2000                              |
| YR4762           | 4 mm × 76.2 mm                 | JK HY750                             |
| YR3762           | 3 mm × 76.2 mm                 | JK HY200                             |
| RUBYHLS4         | 3/8" × 8", Ruby                | JK HLS-4                             |

### G.T.E.

|          |                         |     |
|----------|-------------------------|-----|
| YR150275 | 3.81 mm × 2.75" (70 mm) | 606 |
|----------|-------------------------|-----|

### HAHN & KOLB

|       |               |        |
|-------|---------------|--------|
| YR270 | 4 mm × 105 mm | Enigma |
|-------|---------------|--------|

### HK TECHNOLOGIES

|       |               |        |
|-------|---------------|--------|
| YR270 | 4 mm × 105 mm | Enigma |
|-------|---------------|--------|

### HAAS LASER

|              |  |   |
|--------------|--|---|
| YR257        | 6.35 mm dia, Premium Grade Rod           | HL353D, HL506D, HL703D, HL1033D, HL1504D, HL2006D, HL3006D, HL4006D |
| yr2570       | 6.35 mm dia, Standard Grade Rod          | HL353D-HL4006D  |
| YRA257       | 6.35 mm dia, Mounted, Premium Grade Rod  | HL353D, HL506D, HL703D, HL1033D, HL1504D, HL2006D, HL3006D, HL4006D |
| yrA2570      | 6.35 mm dia, Mounted, Standard Grade Rod | HL353D-HL4006D  |
| YR270        | 4 mm × 105 mm                            | VectorMark  |
| YR5179       | 5 mm dia, Premium Grade Rod              | HL803D  |
| YR51790      | 5 mm dia, Standard Grade Rod             | HL803D  |
| YRA5179      | 5 mm dia, Mounted, Premium Grade Rod     | HL803D  |
| YRA51790     | 5 mm dia, Mounted, Standard Grade Rod    | HL803D  |
| NDGLASSLAG15 | 6 mm × 185 mm                            | LAG15   |

### HOLOBEAM

|         |                                 |                     |
|---------|---------------------------------|---------------------|
| YR510   | 4 mm × 54 mm, TEM <sub>00</sub> | 255.256             |
| YRA510  | 4 mm × 54 mm, Mounted           | 255.256             |
| YR258   | 3 mm × 79 mm, TEM <sub>00</sub> | 257.258             |
| YRA258  | 3 mm × 79 mm, Mounted           | 257.258             |
| YR530   | 6.35 mm × 4.125" (105 mm)       | 2660                |
| YRA530  | 6.35 mm × 4.125" (105 mm)       | 2660                |
| RUBY383 | 3/8" × 3", Ruby                 | Holobeam 600 Series |
| RUBY123 | 1/2" × 3", Ruby                 | Holobeam 600 Series |
| RUBY386 | 3/8" × 6", Ruby                 | Holobeam 600 Series |
| RUBY126 | 1/2" × 6", Ruby                 | Holobeam 600 Series |
| RUBY346 | 3/4" × 6", Ruby                 | Holobeam 600 Series |
| RUBY348 | 3/4" × 8", Ruby                 | Holobeam 600 Series |

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# LASER CRYSTALS

Nd:YAG, Nd:YLF, Er:YAG  
ALEXANDRITE & RUBY

For All Solid State Laser Systems

Intelligent Solutions, Manufacturing & Development

| Item Part Number              | Description                   | Laser Rail              |
|-------------------------------|-------------------------------|-------------------------|
| <b>HYSOL/PARTRIDGE LASERS</b> |                               |                         |
| YR479                         | 4 mm × 79 mm                  | HM60                    |
| YR270                         | 4 mm × 105 mm                 | HM100                   |
| <b>I.L.M.</b>                 |                               |                         |
| YR400                         | 9.525 mm × 4.5" (114 mm)      | High Power Pulsed Laser |
| YR14614                       | 6.35 mm × 6.25" (159 mm)      | High Power Pulsed Laser |
| YR14412                       | 6.35 mm × 4.5" (114 mm)       | CW                      |
| YR38614                       | 9.525 mm × 6.25" (159 mm)     | High Power Pulsed Laser |
| <b>IMPAQ</b>                  |                               |                         |
| YR479                         | 4 mm × 79 mm                  | 80 Watt, CWQ2025        |
| YR9555                        | 5 mm × 79 mm                  | 100 Watt, CWQ2040       |
| YR715                         | 4 mm × 108 mm                 | 120 Watt, CWQ2045       |
| <b>INNOLAS</b>                |                               |                         |
| YR270                         | 4 mm × 105 mm                 | 1000, 2000, Enigma      |
| <b>JEC LASER</b>              |                               |                         |
| YR510                         | 4 mm × 54 mm                  | 1020.103                |
| YR479                         | 4 mm × 79 mm                  | 1024                    |
| YR484                         | 4 mm × 84 mm                  | 3500                    |
| <b>JK LASER</b>               |                               |                         |
| YR201                         | 6.35 mm × 3.125" (79 mm)      | JK 2000                 |
| YR38614                       | 9.525 mm × 6.25" Unmounted    | JK701, JK704, 12250220A |
| YRA5000                       | 9.525 mm × 6.25", Mounted     | JK701, JK704, PA032760X |
| YR4762                        | 4 mm × 76.2 mm Unmounted      | JK HY750                |
| YR14614                       | 6.35 mm × 158.75 mm Unmounted | JK702, JK703, 12250430A |
| YR3762                        | 3 mm × 76.2 mm Unmounted      | JK HY200                |
| RUBYHLS4                      | 3/8" × 8", Ruby               | JK HLS-4                |
| <b>KORAD LASERS</b>           |                               |                         |
| YRKY5                         | 5 mm × 3.25" (83 mm)          | KY5                     |
| YR3840                        | 9.525 mm × 4.0" (102 mm)      | High Power Pulsed Laser |

| Item Part Number | Description | Laser Rail |
|------------------|-------------|------------|
|------------------|-------------|------------|

### LASAG

|           |                           |  |
|-----------|---------------------------|--|
| YR201     | 6.35 mmx 79 mm            | LAK101, KLS111, LAK100, KLS016                     |
| YRALAK101 | 6.35 mm × 79 mm, Mounted  | LAK101, KLS111, LAK100, KLS016                     |
| YR256     | 6.35 mm × 155 mm          | LAK301–302, LPM301–302, KLS321, KLS322, LAK400–401 |
| YRALAK400 | 6.35 mm × 155 mm, Mounted | LAK400–401   |
| YR500     | 9.525 mm × 155 mm         | LAK601   |
| YR4768    | 4 mm × 76.8 mm            | KLS246   |
| YRA342    | 4 mm × 76.8 mm, Mounted   | KLS246   |

### LASER APPLICATIONS / LASERMETRICS

|         |                                 |       |
|---------|---------------------------------|-------|
| YR253   | 6.35 mm × 3" (76 mm)            | 9430  |
| YR510   | 4 mm × 54 mm                    | 9530  |
| YRA510  | 4 mm × 54 mm, Mounted           | 9530  |
| YR512   | 4 mm × 79 mm, TEM <sub>00</sub> | 9560  |
| YRA512  | 4 mm × 79 mm, Mounted           | 9560  |
| YR479   | 4 mm × 79 mm, Multimode         | 9550  |
| YRA479  | 4 mm × 79 mm, Mounted           | 9550  |
| YR9555  | 5 mm × 79 mm, Multimode         | 9555  |
| YRA9555 | 5 mm × 79 mm, Mounted           | 9555  |
| YR14412 | 6.35 mm × 4.5" (114 mm)         | 95100 |
| YR400   | 9.525 mm × 4.5" (114 mm)        | 94100 |
| YR3830  | 9.525 mm × 3.0" (76 mm)         | 9334  |
| YR38614 | 9.525 mm × 6.25" (159 mm)       | 9364  |

### LASER IDENTIFICATION SYSTEM

|         |                                 |  |
|---------|---------------------------------|--|
| YR512A  | 4 mm × 79 mm, TEM <sub>00</sub> | WaferMark 345, II, Softmark, Lightwriter |
| YRA1164 | 4 mm × 79 mm, Mounted           | WaferMark 345, II, Softmark, Lightwriter |

### LASER OPTRONICS

|        |                       |                              |
|--------|-----------------------|------------------------------|
| YRA747 | 4 mm × 79 mm, Mounted | 747                          |
| YR479  | 4 mm × 79 mm          | 767, EverMark 8070, 815, 860 |
| YRA767 | 4 mm × 79 mm, Mounted | 767, EverMark 8070, 815, 860 |
| YR579  | 5 mm × 79 mm          | 757                          |
| YRA757 | 5 mm × 79 mm, Mounted | 757                          |

### LASER SOS

|        |               |                |
|--------|---------------|----------------|
| YR7453 | 7 mm × 115 mm | MWL–50, MWL–80 |
|--------|---------------|----------------|

### LASERVALL

|          |                           |        |
|----------|---------------------------|--------|
| YR625105 | 6.25 mm × 105 mm          | PL50   |
| YRAPL50  | 6.25 mm × 105 mm, Mounted | PL50   |
| YR7115   | 7 mm × 115 mm             | Compac |

# LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

# LASER CRYSTALS

Nd:YAG, Nd:YLF, Er:YAG  
ALEXANDRITE & RUBY

For All Solid State Laser Systems

| Item Part Number | Description                      | Laser Rail                   |
|------------------|----------------------------------|------------------------------|
| YR582            | 5 mm × 82 mm                     | JL15                         |
| YRAJL15          | 5 mm × 82 mm, Mounted            | JL15                         |
| <b>LASIT</b>     |                                  |                              |
| YR4108           | 4 mm × 108 mm                    | EasyMark, FlexMark 80 W      |
| YRA4105          | 4 mm × 108 mm, Mounted           | EasyMark, FlexMark 80 W      |
| YR5108           | 5 mm × 108 mm                    | EasyMark, FlexMark 120 W     |
| YRA955           | 5 mm × 108 mm, Mounted           | EasyMark, FlexMark 120 W     |
| <b>LASITRON</b>  |                                  |                              |
| YR484            | 4 mm × 84 mm                     | 60 Watts CW                  |
| YR4112           | 4 mm × 112 mm                    | 80 Watts CW                  |
| <b>L.B.T.</b>    |                                  |                              |
| YR479            | 4 mm × 79 mm                     | 50 Watts CW                  |
| YR270            | 4 mm × 105 mm                    | 100 Watts CW                 |
| <b>LEE LASER</b> |                                  |                              |
| YR258            | 3 mm × 79 mm, TEM <sub>00</sub>  | 712                          |
| YR479            | 4 mm × 79 mm                     | 812, 850                     |
| YR482            | 4 mm × 82 mm                     | 650M, 650/CD                 |
| YRA650           | 4 mm × 82 mm, Mounted            | 650M, 650/CD                 |
| YR512            | 4 mm × 79 mm, TEM <sub>00</sub>  | 708, 808, 812                |
| YRA708           | 4 mm × 79 mm, Mounted            | 708                          |
| YR718            | 4 mm × 108 mm, TEM <sub>00</sub> | 718, 815, 818                |
| YRA718           | 4 mm × 108 mm, Mounted           | 718                          |
| YRA712           | 3 mm × 79 mm, Mounted            | 712                          |
| YR715            | 4 mm × 108 mm, CW                | 715                          |
| YRA715           | 4 mm × 108 mm, Mounted           | 715                          |
| YRA808           | 4 mm × 79 mm, Mounted            | 808                          |
| YRA812           | 4 mm × 79 mm, Mounted            | 812, 850                     |
| YRA818           | 4 mm × 108 mm, Mounted           | 818, 825                     |
| YR9555           | 5 mm × 79 mm                     | 875                          |
| YRA875           | 5 mm × 79 mm, Mounted            | 875                          |
| <b>L.P.K.F.</b>  |                                  |                              |
| YR254            | 6.35 mm × 105 mm                 | Baasel 4001, SC18, LPKF720   |
| YRASC18          | 6.35 mm × 105 mm, Mounted        | Baasel SC18, LPKF, I02100879 |

Intelligent Solutions, Manufacturing & Development

| Item Part Number        | Description               | Laser Rail                      |
|-------------------------|---------------------------|---------------------------------|
| <b>LS LASER SYSTEMS</b> |                           |                                 |
| YR485                   | 4 mm × 85 mm              | MLS035, LS8000, MLS7032         |
| <b>LUMENIS</b>          |                           |                                 |
| ALEX6112                | 6 mm × 112 mm             | Epi-touch 5100, Alexandrite     |
| <b>LUTRONIC</b>         |                           |                                 |
| YR8100                  | 8 mm × 100 mm             | Yag tattoo & pigment removal    |
| <b>MIYACHI</b>          |                           |                                 |
| YR2587                  | 6.35 mm × 87 mm           | LW10                            |
| YRA887                  | 8 mm × 87 mm              | LW15                            |
| YR7127                  | 7 mm × 127 mm             | LW50A                           |
| YR8127                  | 8 mm × 127 mm             | LW70A                           |
| YR8112                  | 8 mm × 112 mm             | LW51, LW52                      |
| YR10110                 | 10 mm × 110 mm            | LW100                           |
| YR8155                  | 8 mm × 155 mm             | LW250, LW400                    |
| YR10157                 | 10 mm × 157 mm            | LW300                           |
| <b>MLS</b>              |                           |                                 |
| YR485                   | 4 mm × 85 mm              | MLS035, LS8000, MLS7032         |
| <b>N.E.C.</b>           |                           |                                 |
| YR365                   | 3 mm × 65 mm              | SL114K, SL114LK, SL114L         |
| YRA432                  | 3 mm × 65 mm, Mounted     | SL114K, SL114LD, SL114L         |
| YR479                   | 4 mm × 79 mm              | SL432, SL434, SL435             |
| YRA434                  | 4 mm × 79 mm, Mounted     | SL432, SL434, SL435             |
| YR530                   | 6.35 mm × 4.125" (105 mm) | SL473E, SL115L, SL115K, SL115LD |
| YR715                   | 4 mm × 108 mm             | SL475K                          |
| YRASL475                | 4 mm × 108 mm, Mounted    | SL475K                          |
| YRSL402                 | 6.35 mm × 80 mm           | SL402                           |
| <b>N.W.L.</b>           |                           |                                 |
| YR270                   | 4 mm × 105 mm             | N.W.L. Dali, Maestro, Minstral  |
| <b>OR LASER</b>         |                           |                                 |
| YR254                   | 6.35 mm x 105 mm          | OR Laser LSP                    |
| YRA9654                 | 6.35 mm x 105 mm, Mounted | OR Laser LSP                    |

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# LASER CRYSTALS

Nd:YAG, Nd:YLF, Er:YAG  
ALEXANDRITE & RUBY

For All Solid State Laser Systems

Intelligent Solutions, Manufacturing & Development

| Item Part Number          | Description                                 | Laser Rail               |
|---------------------------|---|--------------------------|
| <b>ORZIV</b>              |   |                          |
| YRI173A                   | 3 mm × 108 mm, TEM <sub>00</sub>            | Orziv 200I               |
| YRAI173                   | 3 mm × 108 mm, Mounted                      | Orziv 200I               |
| YR270                     | 4 mm × 105 mm                               | Orziv Express            |
| <b>PHOTON ENERGY</b>      |   |                          |
| YR479                     | 4 mm × 79 mm                                | Photon Energy Draco 80W  |
| YR270                     | 4 mm × 105 mm                               | Photon Energy Draco 100W |
| <b>PM INDUSTRIES</b>      |   |                          |
| YR510                     | 4 mm × 54 mm                                | 45200300                 |
| <b>POSITIVE LIGHT</b>     |   |                          |
| YLF4115                   | 4 mm × 115 mm                               | Merlin, YLF              |
| YLFA4115                  | 4 mm × 115 mm, Mounted                      | Merlin, YLF              |
| <b>QUANTEL</b>            |   |                          |
| YR9160                    | 9 mm × 160 mm                               | High Power Pulsed Laser  |
| <b>QUANTRAD</b>           |   |                          |
| YR510                     | 4 mm × 54 mm                                | 1733                     |
| YRA510                    | 4 mm × 54 mm, Mounted                       | 1733                     |
| YR479                     | 4 mm × 79 mm                                | 1969                     |
| YRA479                    | 4 mm × 79 mm, Mounted                       | 1969                     |
| YR9555                    | 5 mm × 79 mm                                | Blazer 2000, Comet       |
| YRA9555                   | 5 mm × 79 mm, Mounted                       | Blazer 2000, Comet       |
| <b>QUANTRONIX / EXCEL</b> |   |                          |
| YR369CC                   | 3 mm × 69 mm, TEM <sub>00</sub> , -1M/-1MCC | 114602603                |
| YRA1143                   | 3 mm × 69 mm, Mounted                       | 114602603                |
| YR469                     | 4 mm × 69 mm, TEM <sub>00</sub>             | 114, 602, 603            |
| YRA1144                   | 4 mm × 69 mm, Mounted                       | 114, 602, 603            |
| YR512A                    | 4 mm × 79 mm, TEM <sub>00</sub>             | 116, 604                 |
| YRA1164                   | 4 mm × 79 mm, Mounted                       | 116, 604                 |
| YR258CC                   | 3 mm × 79 mm, TEM <sub>00</sub> , -1M/-1MCC | 116, 604                 |
| YRI163                    | 3 mm × 79 mm, Mounted                       | 116, 604                 |
| YR416                     | 4 mm × 79 mm, Wedge, TEM <sub>00</sub>      | 116, 416                 |



| Item Part Number | Description                                 | Laser Rail                                    |
|------------------|---|---|
| YRA416           | 4 mm × 79 mm, Mounted                       | I16, 416                                      |
| YRI173A          | 3 mm × 108 mm, TEM <sub>00</sub>            | I17, I17E                                     |
| YRA1173ENHA      | 3 mm × 108 mm, Mounted                      | I17, I17E                                     |
| YR530            | 6.35 mm × 105 mm, Multimode                 | I17, I50W                                     |
| YRA1176          | 6.35 mm × 105 mm, Mounted                   | I17, I50W                                     |
| YRI18            | 7 mm × 145 mm, Multimode                    | I18, 250W                                     |
| YRA118           | 7 mm × 145 mm, Mounted                      | I18, 250W                                     |
| YR385CC          | 3 mm × 85 mm, TEM <sub>00</sub> , -1M/-1MCC | I16 (New Enhanced Model)                      |
| YRA3116          | 3 mm × 85 mm, Mounted                       | I16 (New Enhanced Model)                      |
| YR485            | 4 mm × 85 mm, TEM <sub>00</sub>             | I16 (New Enhanced Model)                      |
| YRA4116          | 4 mm × 85 mm, Mounted                       | I16 (New Enhanced Model)                      |
| YR715            | 4 mm × 108 mm, Multimode                    | Q-Mark  |
| YRAQMARK         | 4 mm × 108 mm, Mounted                      | Q-Mark  |
| YR718            | 4 mm × 108 mm, TEM <sub>00</sub>            | Q-Mark  |
| YRAQMARKTEM      | 4 mm × 108 mm, Mounted                      | Q-Mark  |
| YLF116           | 4 mm × 79 mm, YLF                           | I16, 4116, YLF                                |
| YLFA116          | 4 mm × 79 mm, Mounted, YLF                  | I16, 4116, YLF                                |
| YLF117           | 4 mm × 104 mm, YLF                          | I17, 4217, YLF                                |
| YLFA117          | 4 mm × 104 mm, Mounted, YLF                 | I17, 4217, YLF                                |
| YLF485           | 4 mm × 85 mm, YLF                           | I16, YLF (New Enhanced Model), Please Enquire |
| YLFA4116         | 4 mm × 85 mm, Mounted, YLF                  | I16, YLF (New Enhanced Model), Please Enquire |
| YLF4108          | 4 mm × 108 mm, YLF                          | I17, YLF (New Enhanced Model), Please Enquire |
| YLFA4117         | 4 mm × 108 mm, Mounted, YLF                 | I17, YLF (New Enhanced Model), Please Enquire |
| YR425            | 4 mm × 108 mm, TEM <sub>00</sub>            | I17, Q-Mark                                   |
| YRA4117          | 4 mm × 108 mm, Mounted                      | I17, Q-Mark                                   |
| YRA1164LN        | 4 mm × 79 mm, Mounted                       | I16 Low Noise Assembly                        |

### RAYTHEON

|        |                        |                            |
|--------|------------------------|----------------------------|
| YR3889 | 6.35 mm × 3.5" (89 mm) | SS380                      |
| YR552  | 5 mm × 52 mm           | SS-116, SSO117             |
| YR8155 | 8 mm × 155 mm          | SS500, SS525, SS531, SS550 |
| YRA500 | 8 mm × 155 mm, Mounted | SS500, SS525, SS531, SS550 |
| YR500  | 8 mm × 155 mm          | RS P500Y, RAYPD460         |
| YR2594 | 6.35 mm × 94 mm        | SS347                      |

### ROFIN SINAR

|           |                        |   |
|-----------|------------------------|---|
| YR485     | 4 mm × 85 mm           | Evermark 8070, 815, 860                     |
| YRA767    | 4 mm dia, Mounted      | Evermark 8070, 815, 860                     |
| YR4140    | 4 mm × 140 mm          | Tornado, RSY90, RSY120, Multimode           |
| YR4141    | 4 mm × 140 mm          | Tornado, RSY90, RSY120, 4081080             |
| YRA4140   | 4 mm × 140 mm, Mounted | Tornado, RSY90, RSY120, L4081590, Multimode |
| YRA4141   | 4 mm × 140 mm, Mounted | Tornado, RSY90, RSY120, TEM <sub>00</sub>   |
| YR5135    | 5 mm × 135 mm          | Rofin 4081420, 101103970                    |
| YR7180    | 7 mm × 180 mm          | RS300                                       |
| YR9525155 | 9.525 mm × 155 mm      | RS500                                       |
| YR370PB   | 3 mm × 70 mm           | RS Diode Marker 100D                        |

# LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

# LASER CRYSTALS

Nd:YAG, Nd:YLF, Er:YAG  
ALEXANDRITE & RUBY

For All Solid State Laser Systems

Intelligent Solutions, Manufacturing & Development

| Item Part Number       | Description                     | Laser Rail                                  |
|------------------------|---------------------------------|---|
| YRARS100D              | 3 mm × 70 mm, Mounted           | RS Diode Marker 100D                        |
| YR8155                 | 8 mm × 155 mm                   | RS 1000P, 905552                            |
| YR8175                 | 8 mm × 175 mm                   | RSCW020, 2KWCW Laser                        |
| <b>S.E.I.</b>          |                                 |   |
| YR715                  | 4 mm × 108 mm, Multimode        | SEI 80W                                     |
| YRA715                 | 4 mm × 108 mm, Mounted          | SEI 80W                                     |
| YR5108                 | 5 mm × 108 mm, Multimode        | SEI 120W                                    |
| YRA955                 | 5 mm × 108 mm, Mounted          | SEI 120W                                    |
| <b>SIEMENS</b>         |                                 |   |
| YR479                  | 4 mm × 79 mm                    | Silimatic                                   |
| YRA479                 | 4 mm × 79 mm, Mounted           | Silimatic                                   |
| <b>SIRO LASER</b>      |                                 |   |
| YR254                  | 6.35 mm × 105 mm Pulsed         | Siro ALS35, ALS35S, SL75                    |
| YRA254                 | 6.35 mm × 105 mm Mounted        | Siro ALS35, ALS35S, SL75                    |
| <b>SPECTRA PHYSICS</b> |                                 |   |
| YR512                  | 4 mm × 79 mm, TEM <sub>00</sub> | 3000  |
| YRA708                 | 4 mm × 79 mm, Mounted           | 3000 (Lee Laser 708)                        |
| YRA573                 | 4 mm × 79 mm, Mounted           | 3000 (ESI 3573)                             |
| YR95264                | 9.52 mm × 64 mm                 | Quanta Ray GCR                              |
| YLF4115                | 4 mm × 115 mm, YLF              | Merlin                                      |
| YLFA4115               | 4 mm × 115 mm, Mounted, YLF     | Merlin                                      |
| YRDCR3                 | 8.50 mm × 64 mm                 | Quanta Ray DCR-3                            |
| YR564                  | 5 mm × 64 mm                    | Quanta Ray DCR                              |
| <b>SPECTRON</b>        |                                 |   |
| YR479                  | 4 mm × 79 mm                    | SL500W, SL501, SL501Q, SL50Q, SL501T        |
| YR270                  | 4 mm × 105 mm                   | SL502, SL502Q, SL902, SL902Q, SL903, SL903Q |
| YR8103                 | 8 mm × 103 mm                   | SL406G, Ground Barrel                       |
| YR8130                 | 8 mm × 103 mm, Grooved          | SL406G, Grooved Barrel                      |
| YR4181                 | 4 mm × 181 mm                   | SL1302, SL1308Q                             |
| YR402                  | 6.35 mm × 80.25 mm              | SL402                                       |
| YR862                  | 8 mm × 62 mm                    | SL400 Series                                |

| Item Part Number                                 | Description                              | Laser Rail  |
|--|--|---|
| <b>SURGICAL LASER TECHNOLOGY</b>                 |  |   |
| YR479  | 4 mm × 79 mm                             | CL-60   |
| YRA434   | 4 mm × 79 mm, Mounted                    | CL-60   |
| <b>SYLVANIA</b>                                  |  |   |
| YR254  | 6.35 mm × 105 mm                         | 1610  |
| YR575  | 5 mm × 75 mm                             | CL-60   |
| <b>TERADYNE / TLSI / GENERAL SCANNING L.S.D.</b> |  |   |
| YR510  | 4 mm × 54 mm, TEM <sub>00</sub>          | 311, H-507  |
| YRA510   | 4 mm × 54 mm, Mounted                    | 311, H-507, Control 510   |
| YR512  | 4 mm × 79 mm, TEM <sub>00</sub>          | 411, H-514, WD411, W614, W670, W724                                 |
| YRA512   | 4 mm × 79 mm, Mounted                    | 411, WD411, Control 512   |
| YRA708   | 4 mm × 79 mm, Mounted                    | W614, W670, Lee Laser 708   |
| YR369CC  | 3 mm × 69 mm, TEM <sub>00</sub> , -1m CC | M118  |
| YRA1143  | 3 mm × 69 mm, Mounted                    | M118, Quantronix 114  |
| YR258CC  | 3 mm × 79 mm, TEM <sub>00</sub> , -1m CC | M118  |
| YRA1163  | 3 mm × 79 mm, Mounted                    | M118, Quantronix 116  |
| YRA808   | 4 mm × 79 mm, Mounted                    | W670, W724, Lee Laser 808   |
| YRA1164  | 4 mm × 79 mm, Mounted                    | W429  |
| <b>T.L.T.</b>                                    |  |   |
| YR512  | 4 mm × 79 mm, TEM <sub>00</sub>          | 800, 1200, 1400   |
| YRA9560  | 4 mm × 79 mm, Mounted                    | 800   |
| YRA512   | 4 mm × 79 mm, Mounted                    | 1200.14   |
| YR1173B  | 3 mm × 108 mm, TEM <sub>00</sub>         | 2400  |
| YRA1173  | 3 mm × 108 mm, Mounted                   | 2400, Quantronix 117  |
| <b>TOSHIBA</b>                                   |  |   |
| YR7152   | 7 mm × 152 mm                            | S-T700T   |
| <b>TRUMPF</b>                                    |  |   |
| YR257  | 6.35 mm dia, Premium Grade Rod           | HL353D, HL506D, HL703D, HL1033D, HL1504D, HL2006D, HL3006D, HL4006D |
| YRA257   | 6.35 mm dia, Mounted, Premium Grade Rod  | HL353D, HL506D, HL703D, HL1033D, HL1504D, HL2006D, HL3006D, HL4006D |
| YR2570   | 6.35 mm dia, Standard Grade Rod          | HL353D-HL4006D  |
| YRA2570  | 6.35 mm dia, Mounted, Standard Grade Rod | HL353D-HL4006D  |
| YR270  | 4 × 105 mm                               | VectorMark  |
| YR5179   | 5 mm dia, Premium Grade Rod              | HL803D  |
| YRA5179  | 5 mm dia, Mounted, Premium Grade Rod     | HL803D  |
| YR51790  | 5 mm dia, Standard Grade Rod             | HL803D  |

# LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

## LASER CRYSTALS Nd:YAG, Nd:YLF, Er:YAG ALEXANDRITE & RUBY For All Solid State Laser Systems

| Item Part Number               | Description                           | Laser Rail             |
|--------------------------------|---------------------------------------|------------------------|
| YRA51790                       | 5 mm dia, Mounted, Standard Grade Rod | HL803D                 |
| NDGLASSLAG15                   | 6 mm × 185 mm                         | LAG15                  |
| <b>UNIVERSAL LASER SYSTEMS</b> |                                       |                        |
| YR512                          | 4 mm × 79 mm, TEM <sub>00</sub>       | 50 Watt                |
| YRA808                         | 4 mm × 79 mm, Mounted                 | 50 Watt, Lee Laser 808 |
| <b>WAVELIGHT</b>               |                                       |                        |
| ALEX5111                       | 5 mm × 111 mm, Alexandrite            | Epi Xan BLM 1000 AX    |
| ALEXA1000AX                    | 5 mm × 111 mm, Mounted                | Epi Xan BLM 1000 AX    |
| <b>ZANABONI</b>                |                                       |                        |
| YR479                          | 4 mm × 79 mm, Multimode               | 60 Watt                |
| YRA6479                        | 4 mm × 79 mm, Mounted                 | 60 Watt                |

Laser SOS provides a comprehensive range of laser rods both un-mounted and mounted. If your rod is not listed please provide us with the diameter, length and laser model.

# LASER CRYSTALS

## LASER ROD REFURBISHING

For All Solid State Laser Systems



Laser SOS provides a comprehensive laser rod refurbishing service. Both un-mounted and mounted laser rod assemblies can be refurbished subject to the serviceability of the original assembly or the availability of suitable hardware.

The following Laser rod materials can be re-polished and AR coated on request.

Face configuration: Flat, Wedge, Radius, Brewster

### Standard Refurbishing Specifications

| Material    | Parallelism   | Perpendicularity | Surface Quality | Surface Flatness | AR Coating         |
|-------------|---------------|------------------|-----------------|------------------|--------------------|
| Nd:YAG      | < 10 arc secs | < 5 arc mins     | 10/5            | $\lambda/10$     | < 0.25 % @ 1064nm  |
| Nd:YLF      | < 10 arc secs | < 5 arc mins     | 10/5            | $\lambda/10$     | < 0.25 % @ 1053 nm |
| ALEXANDRITE | < 10 arc secs | < 5 arc mins     | 10/5            | $\lambda/10$     | < 0.25 % @ 755 nm  |
| RUBY        | < 10 arc secs | < 5 arc mins     | 10/5            | $\lambda/10$     | < 0.25 % @ 694 nm  |
| Er:YAG      | < 10 arc secs | < 5 arc mins     | 10/5            | $\lambda/10$     | < 0.25 % @ 2940nm  |

It is required that laser rods or rod assemblies can only be shipped to Laser SOS with an 'RMA' number. All returns must be pre-paid door to door. Any additional incurred costs will be added to customer final invoice. Laser SOS assumes no liability expressed or implied regarding the structural integrity of laser rods sent to us for refurbishing. Breakages do occur.

**Laser Rod Refurbishing**

For All Solid State Laser Systems

| Part Number             | Description   |
|-------------------------|---|
| <b>MATERIAL: Nd:YAG</b> |   |
| YR001                   | 2.0–6.35 mm dia, Ends F/P, AR/AR @ 1064 nm, <0.25 %R  |
| YR001B                  | 2.0–6.35 mm dia, Brewster, AR/AR @ 1064 nm, <0.25 %R  |
| YR001R                  | 2.0–6.35 mm dia, Radius, AR/AR @ 1064 nm, <0.25 %R    |
| YR001W                  | 2.0–6.35 mm dia, Wedge, AR/AR @ 1064 nm, <0.25 %R     |
| YR002                   | 7.0–8.5 mm dia, Ends F/P, AR/AR @ 1064 nm, <0.25 %R   |
| YR002B                  | 7.0–8.5 mm dia, Brewster, AR/AR @ 1064 nm, <0.25 %R   |
| YR002R                  | 7.0–8.5 mm dia, Radius, AR/AR @ 1064 nm, <0.25 %R     |
| YR002W                  | 7.0–8.5 mm dia, Wedge, AR/AR @ 1064 nm, <0.25 %R      |
| YR003                   | 9.0–9.525 mm dia, Ends F/P, AR/AR @ 1064 nm, <0.25 %R |
| YR003B                  | 9.0–9.525 mm dia, Brewster, AR/AR @ 1064 nm, <0.25 %R |
| YR003R                  | 9.0–9.525 mm dia, Radius, AR/AR @ 1064 nm, <0.25 %R   |
| YR003W                  | 9.0–9.525 mm dia, Wedge, AR/AR @ 1064 nm, <0.25 %R    |
| YR004                   | 10.0–12.5 mm dia, Ends F/P, AR/AR @ 1064 nm, <0.25 %R |
| YR004B                  | 10.0–12.5 mm dia, Brewster, AR/AR @ 1064 nm, <0.25 %R |
| YR004R                  | 10.0–12.5 mm dia, Radius, AR/AR @ 1064 nm, <0.25 %R   |
| YR004W                  | 10.0–12.5 mm dia, Wedge, AR/AR @ 1064 nm, <0.25 %R    |
| <b>MATERIAL: Nd:YLF</b> |   |
| YLF001                  | 2.0–6.35 mm dia, Ends F/P, AR/AR @ 1053 nm, <0.25 %R  |
| YLF001B                 | 2.0–6.35 mm dia, Brewster, AR/AR @ 1053 nm, <0.25 %R  |
| YLF001R                 | 2.0–6.35 mm dia, Radius, AR/AR @ 1053 nm, <0.25 %R    |
| YLF001W                 | 2.0–6.35 mm dia, Wedge, AR/AR @ 1053 nm, <0.25 %R     |
| YLF002                  | 7.0–8.5 mm dia, Ends F/P, AR/AR @ 1053 nm, <0.25 %R   |
| YLF002B                 | 7.0–8.5 mm dia, Brewster, AR/AR @ 1053 nm, <0.25 %R   |
| YLF002R                 | 7.0–8.5 mm dia, Radius, AR/AR @ 1053 nm, <0.25 %R     |
| YLF002W                 | 7.0–8.5 mm dia, Wedge, AR/AR @ 1053 nm, <0.25 %R      |
| YLF003                  | 9.0–9.525 mm dia, Ends F/P, AR/AR @ 1053 nm, <0.25 %R |
| YLF003B                 | 9.0–9.525 mm dia, Brewster, AR/AR @ 1053 nm, <0.25 %R |
| YLF003R                 | 9.0–9.525 mm dia, Radius, AR/AR @ 1053 nm, <0.25 %R   |
| YLF003W                 | 9.0–9.525 mm dia, Wedge, AR/AR @ 1053 nm, <0.25 %R    |
| YLF004                  | 10.0–12.5 mm dia, Ends F/P, AR/AR @ 1053 nm, <0.25 %R |
| YLF004B                 | 10.0–12.5 mm dia, Brewster, AR/AR @ 1053 nm, <0.25 %R |
| YLF004R                 | 10.0–12.5 mm dia, Radius, AR/AR @ 1053 nm, <0.25 %R   |
| YLF004W                 | 10.0–12.5 mm dia, Wedge, AR/AR @ 1053 nm, <0.25 %R    |

| Part Number                  | Description  |
|------------------------------|--|
| <b>MATERIAL: Alexandrite</b> |  |
| ALEX001                      | 2.0–6.35 mm dia, Ends F/P, AR/AR @ 755 nm, <0.25 %R  |
| ALEX001R                     | 2.0–6.35 mm dia, Radius, AR/AR @ 755 nm, <0.25 %R    |
| ALEX001W                     | 2.0–6.35 mm dia, Wedge, AR/AR @ 755 nm, <0.25 %R     |
| ALEX002                      | 7.0–12.5 mm dia, Ends F/P, AR/AR @ 755 nm, <0.25 %R  |
| ALEX002R                     | 7.0–12.5 mm dia, Radius, AR/AR @ 755 nm, <0.25 %R    |
| ALEX002W                     | 7.0–12.5 mm dia, Wedge, AR/AR @ 755 nm, <0.25 %R     |
| ALEX003                      | 9.0–9.525 mm dia, Ends F/P, AR/AR @ 755 nm, <0.25 %R |
| ALEX004                      | 10.0–12.5 mm dia, Ends F/P, AR/AR @ 755 nm, <0.25 %R |

|                       |  |
|-----------------------|--|
| <b>MATERIAL: Ruby</b> |  |
| R001                  | 2.0–6.35 mm dia, Ends F/P, AR/AR @ 694 nm, <0.25 %R  |
| R001B                 | 2.0–6.35 mm dia, Brewster, AR/AR @ 694 nm, <0.25 %R  |
| R001W                 | 2.0–6.35 mm dia, Wedge, AR/AR @ 694 nm, <0.25 %R     |
| R002                  | 7.0–8.5 mm dia, Ends F/P, AR/AR @ 694 nm, <0.25 %R   |
| R002B                 | 7.0–8.5 mm dia, Brewster, AR/AR @ 694 nm, <0.25 %R   |
| R002W                 | 7.0–8.5 mm dia, Wedge, AR/AR @ 694 nm, <0.25 %R      |
| R003                  | 9.0–9.525 mm dia, Ends F/P, AR/AR @ 694 nm, <0.25 %R |
| R003B                 | 9.0–9.525 mm dia, Brewster, AR/AR @ 694 nm, <0.25 %R |
| R003W                 | 9.0–9.525 mm dia, Wedge, AR/AR @ 694 nm, <0.25 %R    |
| R004                  | 10.0–12.5 mm dia, Ends F/P, AR/AR @ 694 nm, <0.25 %R |
| R004B                 | 10.0–12.5 mm dia, Brewster, AR/AR @ 694 nm, <0.25 %R |
| R004W                 | 10.0–12.5 mm dia, Wedge, AR/AR @ 694 nm, <0.25 %R    |

|                         |  |
|-------------------------|--|
| <b>MATERIAL: Er:YAG</b> |  |
| ER001                   | 2.0–6.35 mm dia, F/P, AR/AR @ 2940 nm, <0.25 %R    |
| ER001W                  | 2.0–6.35 mm dia, Wedge, AR/AR @ 2940 nm, <0.25 %R  |
| ER002                   | 7.0–12.5 mm dia, F/P, AR/AR @ 2940 nm, <0.25 %R    |
| ER002W                  | 7.0–12.5 mm dia, Wedge, AR/AR @ 2940 nm, <0.25 %R  |
| ER003                   | 9.0–9.525 mm dia, F/P, AR/AR @ 2940 nm, <0.25 %R   |
| ER003W                  | 9.0–9.525 mm dia, Wedge, AR/AR @ 2940 nm, <0.25 %R |
| ER004                   | 10.0–12.5 mm dia, F/P, AR/AR @ 2940 nm, <0.25 %R   |
| ER004W                  | 10.0–12.5 mm dia, Wedge, AR/AR @ 2940 nm, <0.25 %R |

Please add the 'A' prefix to the Laser rod part number to clearly indicate that the Laser rod is an assembly.

Laser SOS assumes no liability expressed or implied regarding the structural integrity of laser rods sent to us for re-furbishing. Breakages do occur.

It is required that laser rods or rod assemblies can only be shipped back to Laser SOS with an 'RMA' number. All returns must be pre-paid door to door. Any additional cost, charges and taxes etc. will be re-invoiced to customers account.



## LASER S.O.S. GROUP

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