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where technologies meet solutions

# Precision Molded Aspheric Lenses

Standard Aspheric Designs for Easy Integration

- Industrial Laser Guides & Tools
- Infrared Systems
- Biomedical & Scientific
- Measurement Systems & Metrology
- Telecommunications Optics
- Data Storage

pickaLENS

OPTICAL
TECHNOLOGIES

AMS Technologies is Europe's leading solution provider and distributor for Optical, Power and Thermal Management Technologies

## WHERE TECHNOLOGIES MEET SOLUTIONS

**For more than 30 years, we at AMS Technologies have been supporting the European market with leading, innovative technologies and products that have allowed our customers to take prime position in their chosen markets.**

AMS Technologies is a leading solution provider and distributor of high-tech, leading-edge components, systems and equipment, with more than 30 years of experience to date and currently serving more than 2000 European customers.

We are the specialists in both componentry and complete solutions for Optical technology, Thermal Management and Power Technology fields, with access to and long standing relationships with the most advanced manufacturers in each of those fields. Drawing extensively on our experience in each of these differing technologies, and coupling this with our broad system-level competence, we are able to offer seamless and comprehensive solutions incorporating complementary aspects from all three key technology fields.

With an appropriate technical education, an element of entrepreneurial spirit and many years of design and consultancy expertise, our sales engineers can rapidly comprehend system requirements and provide you the customer with a solution that goes way beyond a simple understanding of our product datasheets. We take active involvement in the design cycle, defining and re-defining your specifications, and leading in many cases to highly specific, customized products and solutions. Helping you to effectively outsource your production line, we can even provide you with the necessary leading turnkey contract manufacturing services in our key competency fields.

AMS Technologies has been delivering solutions into a variety of high-tech markets, including renewable energies, medical, defence & aerospace, research & scientific and various other industrial segments. Our customer base consists of Europe's largest leading technology corporations, a network of universities and research institutes as well as the most promising start-ups.

We thrive by working in a 'customer first' environment. Our pan-European customers are serviced from a network of local offices in Germany, the UK, France, Italy, Spain, Poland and Sweden, with a focused operations and logistics centre located in Munich, Germany.

Our commitment: Identifying the best solution for your project enabling you to become your customers' first choice!
**Your AMS Technologies team**

- Optical Technologies
- Power Technologies
- Thermal Management

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## PRECISION MOLDED ASPHERIC LENSES

**Aspheric lenses are known for their optimal performance but the expense of fabricating them has inhibited their use. Our partner's glass molding technology has enabled the production of high volumes of aspheric optics while still maintaining the highest quality at an affordable price.**

**From concept through prototyping, volume production, and global distribution, AMS Technologies has the optical knowledge and manufacturing expertise to be your optics partner every step of the way.**

Molded lenses are used in a variety of photonics products: barcode scanners, laser diode to fiber couplings, optical data storage, and medical lasers, to name a few. In many of these applications, the material of choice is optical glass because of its durability and performance stability over a wide environmental range. High power transmittance is also an added advantage.

Our aspheric lenses are inspected and optically tested to ensure complete customer satisfaction. Visual cosmetic inspection for scratch/dig is performed on 100% of all lenses per MIL-PRF-13830B. Most lenses are guaranteed to pass 40/20 scratch/dig, but other inspection criteria, such as 60/40 or 20/10, can be provided upon request.

### The pickaLENS program

AMS Technologies has invested into the pickaLENS program offering customers off the shelf availability of a large number of different standard aspheres. Standard design assemblies are available for our most popular lens types, but any asphere in our catalog can be mounted into a custom assembly of your choice.

The selection guide to these preferred standard aspheric designs can be found on the next two pages or online:
**www.amstechnologies-webshop.com/aspheres**

For large volume applications we recommend to call your regional AMS Technologies office, so that we can tailor a solution based on your technical needs.

### Asphere optics can actually improve system performance and lower overall cost

Molded lenses are used in a variety of photonics products: barcode scanners, laser diode to fiber couplings, optical
data storage, and medical lasers, to name a few. In many of these applications, the material of choice is optical glass because of its durability and performance stability over a wide environmental range. High power transmittance is also an added advantage.

*Image: www.FARO.com*

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# Standard Aspheric Designs

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| Lens Code | UVA-coating 350-500nm | A-coating 350-700nm | B-coating 600-1050nm | C-coating 1050-1600nm | DW - Design Wavelength nm | EFL - Focal Length | Numerical Aperture | Clear Aperture | Outer Diameter |
|---|---|---|---|---|---|---|---|---|---|
| 352022 | | 352022A | 352022B | 352022C | 780 | 4.47 | 0.47 | 4.20 | 5.42 |
| 352080 | | 352080A | 352080B | 352080C | 780 | 3.89 | 0.55 | 4.29 | 6.33 |
| 352110 | | 352110A | 352110B | 352110C | 780 | 6.24 | 0.40 | 5.00 | 7.20 |
| 352125 | | 352125A | 352125B | 352125C | 633 | 10 | 0.49 | 10 | 11 |
| 352140 | | 352140A | 352140B | 352140C | 780 | 1.45 | 0.55 | 1.60 | 2.40 |
| 352150 | | 352150A | 352150B | 352150C | 780 | 2.00 | 0.50 | 2.00 | 3.00 |
| 352170 | | 352170A | 352170B | 352170C | 780 | 6.16 | 0.30 | 3.70 | 4.70 |
| 352220 | | 352220A | 352220B | 352220C | 633 | 11.00 | 0.25 | 5.50 | 7.22 |
| 352230 | | 352230A | 352230B | 352230C | 780 | 4.51 | 0.55 | 4.95 | 6.33 |
| 352240 | | 352240A | 352240B | 352240C | 780 | 8.00 | 0.50 | 8.00 | 9.94 |
| 352260 | | 352260A | 352260B | 352260C | 780 | 15.29 | 0.16 | 5.00 | 6.50 |
| 352280 | | 352280A | 352280B | 352280C | 780 | 18.40 | 0.15 | 5.50 | 6.50 |
| 352330 | | 352330A | 352330B | 352330C | 830 | 3.10 | 0.68 | 5.00 | 6.33 |
| 352340 | | 352340A | 352340B | 352340C | 685 | 4.03 | 0.62 | 5.00 | 6.33 |
| 352350 | | 352350A | 352350B | 352350C | 980 | 4.50 | 0.42 | 3.70 | 4.70 |
| 352440 | | 352440A | 352440B | 352440C | 980 | 2.95 | 0.53/0.27 | 4.00/4.20 | 4.70 |
| 352450 | | 352450A | 352450B | 352450C | 980 | 1.16 | 0.30/0.30 | 1.15/1.15 | 1.80 |
| 352610 | | 352610A | 352610B | 352610C | 410 | 4.00 | 0.60 | 4.80 | 6.325 |
| 352671 | | 352671A | 352671B | 352671C | 408 | 4.02 | 0.60 | 4.80 | 6.33 |
| 352673 | | 352673A | 352673B | 352673C | 408 | 4.02 | 0.60 | 4.80 | 6.33 |
| 352710 | | 352710A | 352710B | 352710C | 1550 | 1.49 | 0.50 | 1.50 | 2.65 |
| 352-A375 | | 352-A375A | 352-A375B | 352-A375C | 780 | 7.50 | 0.30 | 4.50 | 6.51 |
| 352-A390 | | 352-A390A | 352-A390B | 352-A390C | 655 | 4.60 | 0.53 | 4.89 | 6.00 |
| 352-A397 | | 352-A397A | 352-A397B | 352-A397C | 670 | 11.00 | 0.30 | 6.59 | 7.20 |
| 353515 | | 353515A | | | 515 | 3.52 | 0.40 | 2.70 | 3.00 |
| 353525 | | 353525A | | | 515 | 6.69 | 0.45 | 5.75 | 6.33 |
| 354057 | | 354057A | 354057B | 354057C | 633 | 13.00 | 0.20 | 5.20 | 6.33 |
| 354058 | | 354058A | 354058B | 354058C | 633 | 12.00 | 0.22 | 5.20 | 6.33 |
| 354059 | | 354059A | 354059B | 354059C | 633 | 14.00 | 0.19 | 5.20 | 6.33 |
| 354060 | | 354060A | 354060B | 354060C | 633 | 9.60 | 0.30 | 5.20 | 6.33 |
| 354061 | | 354061A | 354061B | 354061C | 633 | 11.00 | 0.24 | 5.20 | 6.33 |
| 354062 | | 354062A | 354062B | 354062C | 633 | 11.00 | 0.24 | 5.20 | 6.00 |
| 354064 | | 354064A | 354064B | 354064C | 633 | 11.00 | 0.24 | 5.20 | .00 |
| 354105 | | 354105A | 354105B | 354105C | 633 | 5.50 | 0.56 | 6.00 | 7.20 |
| 354115 | | 354115A | 354115B | 354115C | 633 | 6.75 | 0.54 | 7.00 | 9.20 |
| 354120 | | 354120A | 354120B | 354120C | 670 | 15.04 | 0.15 | 4.50 | 4.99 |
| 354130 | | 354130A | 354130B | 354130C | 1550 | 6.00 | 0.21 | 2.50 | 3.00 |
| 354140 | | 354140A | 354140B | 354140C | 780 | 1.45 | 0.58 | 1.60 | 2.40 |
| 354171 | | 354171A | 354171B | 354171C | 633 | 6.20 | 0.30 | 3.70 | 4.70 |
| 354220 | | 354220A | 354220B | 354220C | 633 | 11.00 | 0.25 | 5.50 | 7.22 |
| 354260 | | 354260A | 354260B | 354260C | 780 | 15.29 | 0.16 | 5.00 | 6.50 |
| 354280 | | 354280A | 354280B | 354280C | 780 | 18.40 | 0.15 | 5.50 | 6.50 |
| 354306 | | 354306A | 354306B | 354306C | 650 | 9.85 | 0.27 | 5.20 | 6.35 |
| 354330 | | 354330A | 354330B | 354330C | 830 | 3.10 | 0.68 | 5.00 | 6.33 |
| 354340 | | 354340A | 354340B | 354340C | 685 | 4.03 | 0.64 | 5.10 | 6.33 |
| 354350 | | 354350A | 354350B | 354350C | 980 | 4.50 | 0.43 | 3.70 | 4.70 |
| 354430 | | 354430A | 354430B | 354430C | 1550 | 5.00 | 0.15 | 1.60 | 2.00 |
| 354450 | | 354450A | 354450B | 354450C | 980 | 1.16 | 0.30/0.30 | 1.14 | 1.80 |
| 354453 | | 354453A | 354453B | 354453C | 655 | 4.60 | 0.55 | 4.80 | 6.00 |
| 354550 | | 354550A | 354550B | 354550C | 1550 | 6.10 | 0.18 | 2.20 | 2.79 |
| 354560 | | 354560A | 354560B | 354560C | 650 | 13.86 | 0.18 | 5.10 | 6.33 |
| 354710 | | 354710A | 354710B | 354710C | 1550 | 1.49 | 0.53 | 1.50 | 2.65 |
| 354850 | | 354850A | 354850B | 354850C | 670 | 22.00 | 0.13 | 5.50 | 6.33 |
| 354996 | | 354996A | 354996B | 354996C | 634 | 4.50 | 0.30 | 2.70 | 3.00 |
| 355022 | | 355022A | 355022B | 355022C | 780 | 4.47 | 0.47 | 4.20 | 5.42 |
| 355070 | | 355070A | 355070B | 355070C | 1550 | 0.43 | 0.06/0.66 | 0.62 | 1.20 |
| 355110 | | 355110A | 355110B | 355110C | 780 | 6.24 | 0.40 | 5.00 | 7.20 |
| 355150 | | 355150A | 355150B | 355150C | 780 | 2.00 | 0.51 | 2.20 | 3.00 |
| 355151 | | 355151A | 355151B | 355151C | 780 | 2.00 | 0.50 | 2.00 | 3.00 |
| 355160 | | 355160A | 355160B | 355160C | 780 | 2.73 | 0.55 | 3.00 | 4.00 |
| 355200 | | 355200A | 355200B | 355200C | 1300 | 1.14 | 0.43/0.12 | 1.23 | 240 |
| 355201 | | 355201A | 355201B | 355201C | 1300 | 1.14 | 0.43/0.12 | 1.23 | 2.40 |
| 355230 | | 355230A | 355230B | 355230C | 780 | 4.51 | 0.55 | 5.07 | 6.33 |
| 355330 | | 355330A | 355330B | 355330C | 830 | 3.10 | 0.77 | 5.00 | 6.33 |
| 355375 | | 355375A | 355375B | 355375C | 780 | 7.50 | 0.30 | 4.54 | 6.51 |
| 355390 | | 355390A | 355390B | 355390C | 830 | 2.75 | 0.55 | 3.60 | 4.50 |
| 355392 | | 355392A | 355392B | 355392C | 830 | 2.75 | 0.64 | 3.60 | 4.00 |
| 355397 | | 355397A | 355397B | 355397C | 670 | 11.00 | 0.30 | 6.68 | 7.20 |
| 355410 | | 355410A | 355410B | 355410C | 1550 | 2.51 | 0.20 | 1.01 | 1.80 |
| 355440 | | 355440A | 355440B | 355440C | 980 | 2.76 | 0.26/0.52 | 4.12 | 4.70 |
| 355460 | | 355460A | 355460B | 355460C | 1550 | 0.55 | 0.50/0.10 | 0.40 | 1.00 |
| 355485 | | 355485A | 355485B | 355485C | 1550 | 0.55 | 0.50/0.10 | 0.35 | 1.40 |
| 355487 | | 355487A | 355487B | 355487C | 1550 | 0.55 | 0.50/0.11 | 0.35 | 1.00 |
| 355536 | | 355536A | 355536B | 355536C | 1310 | 0.60 | 0.60 | 0.72 | 1.24 |
| 355561 | | 355561A | 355561B | 355561C | 850 | 10.04 | 0.60 | 12.50 | 15.00 |
| 355615 | | 355615A | 355615B | 355615C | 1550 | 2.51 | 0.20 | 1.01 | 2.05 |
| 355631 | | 355631A | 355631B | 355631C | 1310 | 0.39 | 0.55/0.13 | 0.37 | 1.20 |
| 355660 | | 355660A | 355660B | 355660C | 1550 | 2.97 | 0.60 | 3.60 | 4.00 |
| 355755 | | 355755A | 355755B | 355755C | 1577 | 1.94 | 0.15/0.15 | 1.10 | 1.70 |
| 355840 | | 355840A | 355840B | 355840C | 940 | 0.75 | 0.47 | 0.71 | 1.40 |
| 355880 | | 355880A | 355880B | 355880C | 1550 | 0.70 | 0.60 | 0.84 | 1.20 |
| 355915 | | 355915A | 355915B | 355915C | 1550 | 0.80 | 0.12/0.50 | 1.00 | 1.30 |
| 355940 | | 355940A | 355940B | 355940C | 1550 | 4.02 | 0.17 | 1.37 | 1.82 |
| 355945 | | 355945A | 355945B | 355945C | 1550 | 2.51 | 0.32 | 1.60 | 2.10 |
| 355950 | | 355950A | 355950B | 355950C | 1550 | 1.81 | 0.37 | 1.35 | 1.78 |
| 355960 | | 355960A | 355960B | 355960C | 1550 | 1.00 | 0.62 | 1.20 | 1.82 |
| 355970 | | 355970A | 355970B | 355970C | 1550 | 3.70 | 0.21 | 1.56 | 1.80 |
| 356300 | 356300UVA | | | | 405 | 2.54 | 0.66 | 3.30 | 4.00 |
| 356785 | 356785UVA | | | | 488 | 1.42 | 0.62 | 1.70 | 2.75 |
| 357610 | 357610UVA | | | | 410 | 4.003 | 0.62 | 4.80 | 6.33 |
| 357765 | 357765UVA | | | | 488 | 4.00 | 0.61 | 4.80 | 6.33 |
| 357775 | 357775UVA | | | | 408 | 4.02 | 0.60 | 4.80 | 6.33 |
| 357786 | 357786UVA | | | | 488 | 1.41 | 0.5 | 1.42 | 2 |

| Lens Code | Working Distance | RMS WFE (max) | Center Thickness | Scratch/Dig | Magnification | Glass Type | Recommended lens replacement | Repl. lens code |
|---|---|---|---|---|---|---|---|---|
| 352022 | 3.08 | | 3.45 | | ∞ | ECO-550 | 355022 | 350022 |
| 352080 | 2.71 | 0.087 | 3.05 | 40-20 | ∞ | ECO-550 | | 350080 |
| 352110 | 3.394 | | 5.36 | | ∞ | ECO-550 | 355110 | 350110 |
| 352125 | 7.81 | 0.027 | 4 | 60-40 | ∞ | ECO-550 | 354125 | |
| 352140 | 0.88 | | 1.00 | | ∞ | ECO-550 | 354140 | 350140 |
| 352150 | 1.09 | | 2.00 | | ∞ | ECO-550 | 355150, 355151 | 350150 |
| 352170 | 4.38 | | 3.48 | | ∞ | ECO-550 | 354171 | 350170 |
| 352220 | 7.97 | | 5.00 | | ∞ | ECO-550 | 354220 | 350220 |
| 352230 | 2.92 | | 2.94 | | ∞ | ECO-550 | 355230 | 350230 |
| 352240 | 5.92 | 0.087 | 3.69 | 40-20 | ∞ | ECO-550 | 354240 | 350240 |
| 352260 | 14.0 | | 2.20 | | ∞ | ECO-550 | 354260 | 350260 |
| 352280 | 17.13 | | 2.17 | | ∞ | ECO-550 | | 350280 |
| 352330 | 1.76 | | 3.18 | | ∞ | ECO-550 | 354330 | 350330 |
| 352340 | 2.69 | | 3.07 | | ∞ | ECO-550 | 354340 | 350340 |
| 352350 | 2.38 | | 3.64 | | ∞ | ECO-550 | 354350 | 350350 |
| 352440 | 2.66/6.91 | | 4.065 | | ∞ | ECO-550 | 355440 | 350440 |
| 352450 | 1.69/1.69 | | 1.48 | | ∞ | ECO-550 | | 350450 |
| 352610 | 2.73 | | 3.04 | | ∞ | ECO-550 | 357610 | 350610 |
| 352671 | 2.37 | | 3.036 | | ∞ | ECO-550 | 357775 | 350671 |
| 352673 | 2.39 | | 3.02 | | ∞ | ECO-550 | 357775 | 350671 |
| 352710 | 1.1 | | 0.88 | | ∞ | ECO-550 | | 350710 |
| 352-A375 | 5.82 | | 2.83 | 60-40 | ∞ | ECO-550 | 355375 | KODAK A375 |
| 352-A390 | 2.89 | | 3.1 | 60-40 | ∞ | ECO-550 | 354453 | KODAK A390 |
| 352-A397 | 9.68 | | 2.08 | 60-40 | ∞ | ECO-550 | 355397 | KODAK A397 |
| 353515 | 2.33 | 0.040 | 1.91 | 40-20 | ∞ | H-FK61 | | |
| 353525 | 4.87 | 0.050 | 2.85 | 40-20 | ∞ | H-FK61 | | |
| 354057 | 11.58 | 0.250 | 2.38 | 60-40 | ∞ | D-ZK3 | | |
| 354058 | 10.57 | 0.250 | 2.40 | 60-40 | ∞ | D-ZK3 | | |
| 354059 | 12.63 | 0.250 | 2.35 | 60-40 | ∞ | D-ZK3 | | |
| 354060 | 8.13 | 0.050 | 2.50 | 60-40 | ∞ | D-ZK3 | | |
| 354061 | 9.56 | 0.250 | 2.43 | 60-40 | ∞ | D-ZK3 | | |
| 354062 | 9.66 | 0.055 | 2.25 | 100-60 | ∞ | D-ZK3 | | |
| 354064 | 9.35 | 0.050 | 3.10 | 80-50 | ∞ | D-ZK3 | | |
| 354105 | 3.73 | 0.070 | 2.94 | 40-20 | ∞ | D-ZK3 | | 352105 40/20 Scratch-Dig |
| 354115 | 4.26 | 0.087 | 4.08 | 60-40 | ∞ | D-ZK3 | | 352115 60/40 Scratch-Dig |
| 354120 | 13.19 | 0.076 | 2.92 | 40-20 | ∞ | D-ZK3 | | 352120 |
| 354130 | 4.90 | 0.100 | 1.73 | 40-20 | ∞ | D-ZK3 | | 350130 |
| 354140 | 0.81 | 0.080 | 1.02 | 40-20 | ∞ | D-ZK3 | | 352140, 350140 |
| 354171 | 4.10 | 0.050 | 3.48 | 80-50 | ∞ | D-ZK3 | | 352170, 350171 |
| 354220 | 7.91 | 0.040 | 5.03 | 40-20 | ∞ | D-ZK3 | | 352220, 350220 |
| 354260 | 13.98 | 0.070 | 2.21 | 40-20 | ∞ | D-ZK3 | | 350260, 352260 |
| 354280 | 17.11 | 0.087 | 2.18 | 40-20 | ∞ | D-ZK3 | | 352280 |
| 354306 | 8.38 | 0.050 | 2.50 | 40-20 | ∞ | D-ZK3 | | EPIN |
| 354330 | 1.76 | 0.330 | 3.21 | 40-20 | ∞ | D-ZK3 | | 350330, 352330 |
| 354340 | 2.68 | 0.100 | 3.10 | 40-20 | ∞ | D-ZK3 | | 350340, 352340 |
| 354350 | 2.19 | 0.06 | 3.65 | 40-20 | ∞ | D-ZK3 | | 350350, 352350 |
| 354430 | 4.37 | 0.070 | 0.99 | 40-20 | ∞ | D-ZK3 | | 350430 |
| 354450 | 1.67 | 0.070 | 1.48 | 40-20 | 1.0 | D-ZK3 | | 350450 |
| 354453 | 2.71 | 0.070 | 3.14 | 40-20 | ∞ | D-ZK3 | | 352-A390 |
| 354550 | 4.87 | 0.173 | 1.93 | 40-20 | ∞ | D-ZK3 | | 350550 |
| 354560 | 12.11 | 0.070 | 2.77 | 40-20 | ∞ | D-ZK3 | | 350560 |
| 354710 | 1.02 | 0.08 | 0.86 | 40-20 | ∞ | D-ZK3 | | 350710 |
| 354850 | 20.41 | 0.070 | 2.65 | 40-20 | ∞ | D-ZK3 | | 350850 |
| 354996 | 3.46 | 0.100 | 1.78 | 60-40 | ∞ | D-ZK3 | | |
| 355022 | 3.08 | 0.070 | 3.27 | 40-20 | ∞ | D-ZLaF52La | | 350022, 352022 |
| 355070 | 0.27 | 0.070 | 0.35 | 40-20 | 11.00 | D-ZLaF52La | | 370070 |
| 355110 | 3.46 | 0.070 | 5.16 | 40-20 | ∞ | D-ZLaF52La | | 352110, 350110 |
| 355150 | 1.45 | N/A | 1.92 | 40-20 | ∞ | D-ZLaF52La | | 350150, 352150 |
| 355151 | 1.03 | 0.070 | 1.90 | 40-20 | ∞ | D-ZLaF52La | | 352150, 350150 |
| 355160 | 2.37 | 0.070 | 1.43 | 40-20 | ∞ | D-ZLaF52La | | 350160 |
| 355200 | 1.13 | 0.145 | 1.24 | 40-20 | 3.47 | D-ZLaF52La | | 350200 |
| 355201 | 1.13 | 0.145 | 1.24 | 40-20 | 3.47 | D-ZLaF52La | | |
| 355230 | 3.08 | 0.087 | 2.71 | 40-20 | ∞ | D-ZLaF52La | | 350230, 352230 |
| 355330 | 1.59 | 0.50 | 2.71 | 40-20 | ∞ | D-ZLaF52La | | 370330 |
| 355375 | 5.82 | 0.050 | 3.19 | 40-20 | ∞ | D-ZLaF52La | | 352-A375 |
| 355390 | 2.16 | 0.093 | 1.90 | 40-20 | ∞ | D-ZLaF52La | | 350390 |
| 355392 | 1.50 | 0.160 | 2.24 | 40-20 | ∞ | D-ZLaF52La | | 350392 |
| 355397 | 10.01 | 0.070 | 1.95 | 60-40 | ∞ | D-ZLaF52La | | 352-A397 |
| 355410 | 1.84 | 0.070 | 1.19 | 40-20 | ∞ | D-ZLaF52La | | 352410 |
| 355440 | 2.71 | 0.60 | 2.83 | 40-20 | 2.00 | D-ZLaF52La | | 352440, 350440 |
| 355460 | 2.95 | 0.050 | 0.78 | 40-20 | 5.00 | D-ZLaF52La | | |
| 355485 | 3.03 | 0.04 | 0.66 | 40-20 | 5.00 | D-ZLaF52La | | |
| 355487 | 2.94 | 0.04 | 0.78 | 40-20 | 4.55 | D-ZLaF52La | | |
| 355536 | 0.22 | 0.035 | 0.87 | 40-20 | ∞ | D-ZLaF52La | | |
| 355561 | 7.04 | N/A | 5.38 | 40-20 | ∞ | D-ZLaF52La | | |
| 355615 | 1.73 | 0.070 | 1.38 | 40-20 | ∞ | D-ZLaF52La | | |
| 355631 | 1.90 | 0.06 | 0.36 | 40-20 | 4.23 | D-ZLaF52La | | 370631, 370634 |
| 355660 | 1.56 | 0.20 | 2.50 | 40-20 | ∞ | D-ZLaF52La | | 350660 |
| 355755 | 3.57 | 0.040 | 1.00 | 40-20 | 1.0 | D-ZLaF52La | | Panasonic W357F194 |
| 355840 | 0.43 | 0.050 | 0.57 | 40-20 | ∞ | D-ZLaF52La | | 370840 w/smaller NA |
| 355880 | 0.33 | 0.040 | 0.66 | 40-20 | ∞ | D-ZLaF52La | | 370880 |
| 355915 | 0.67 | 0.080 | 0.60 | 40-20 | 4.17 | D-ZLaF52La | | |
| 355940 | 3.37 | 0.030 | 1.16 | 40-20 | ∞ | D-ZLaF52La | | 370940 |
| 355945 | 1.76 | 0.070 | 1.33 | 40-20 | ∞ | D-ZLaF52La | | 370945 |
| 355950 | 1.09 | 0.070 | 1.28 | 40-20 | ∞ | D-ZLaF52La | | 370890, 370950 |
| 355960 | 0.24 | 0.12 | 1.34 | 40-20 | ∞ | D-ZLaF52La | | 370960 |
| 355970 | 3.03 | 0.070 | 1.19 | 40-20 | ∞ | D-ZLaF52La | | 370970 |
| 356300 | 1.55 | 0.070 | 1.82 | 40-20 | ∞ | L-LaL12 | | |
| 356785 | 0.86 | 0.050 | 1.08 | 20-10 | ∞ | L-LaL12 | | |
| 357610 | 2.69 | 0.140 | 2.95 | 40-20 | ∞ | D-LaK6 | | 350610, 352610 |
| 357765 | 2.37 | 0.10 | 2.92 | 20-10 | ∞ | D-LaK6 | | |
| 357775 | 2.41 | 0.150 | 2.90 | 40-20 | ∞ | D-LaK6 | | 350671, 352671, 352673 |
| 357786 | 1.2 | | | | | D-LaK6 | | |

amsTECHNOLOGIES
where technologies meet solutions

Optical, Power and Thermal Management Technologies represent the biggest technological challenges facing any engineer.

# ACCESSORIES FOR OPTICAL SETUPS

## Optical adhesives for bonding lenses

Our optical adhesives are designed for fast, precision bonding and will simplify processes that require critical alignment or exact positioning.
These one part adhesives will set in seconds when exposed to ultraviolet light and can provide excellent light transmission over a wide spectral range. Our Optical Glues are designed for bonding where low strain, optical clarity or low outgassing are required in military, aerospace, fiber optics or commercial optics.

## Dispensing units and accessories

You need precision dispensing units and accessories for fiberoptic patchcord production? Many accessories are available for our adhesives like dosing pumps, dosing systems, syringes, needles and many more.

## Photonic opto-mechanical tools

Our opto mechanical components are perfectly attuned to each other. In most of our optic products from Siskiyou innovative features have been incorporated in the developmental phase, ensuring that they are and remain stable when used. For many users, this is an important reason to apply opto mechanics for laser research from this company like optic mounts and other mechanicals.

## Optic cleaning supplies for best performance

Cleaning your optical components will reduce troubleshooting time and problem investigation tremendously. AMS Technologies supplies optic cleaning tissues, absorbond cleanroom optic wipes, optic cleaning swabs, pump dispensers and many more. We can find the best-suited solution for your need or application.

## Tabletop carbon dioxide spray cleaning pen

The OZPEN is a versatile, precision, small surface area cleaning system for critical fiber optics and other manufacturing operations. The OZPEN generates and propels an adjustable spray of clean dry air or nitrogen containing small $CO_2$ particles to efficiently remove foreign matter from a surface.
The OZPEN replaces or augments conventional solvent-aided wiping cleaning techniques which can spread, smear or shed, or redeposit trace residues and particles over critical surfaces.

Contact us

# OUR SOLUTION APPROACH

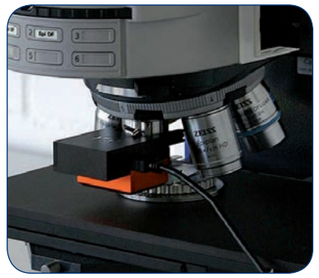
**AMS Technologies' solution approach has helped hundreds of customer projects to move from concept to production. Helping you to understand our capabilities, we invite you to browse a list of the many projects that we have successfully completed over a timeframe closely approaching 30 years.**

Our three key competencies Optical, Power and Thermal Management have no logical bits and bytes, nor industry qualification standards. Hence the design of a system and the choice of the right technology, supplier and products can only be based on knowledge and experience in those fields. AMS Technologies has built a comprehensive knowledge base in those three key competencies, enabling us to provide customers with complete solutions, over and above the mere product support for standard design aspheres we can provide.

- Development of customized specification sheets
- Effective project management of any product development
- Higher level design services for system-level prototypes
- Interdisciplinary system-level integrated design
- Appropriate subcontractor selection and production support
- Proper vetting of technologies and suppliers
- Simulations and modeling of system-level designs
- Installation, training and servicing

# „LENS INSIDE“ AMS SOLUTIONS

## LensAFM for optical microscopes



The Nanosurf LensAFM is an atomic force microscope that can be used instead of a normal objective lens on almost any optical microscope or profilometer. It greatly extends the resolution and measuring capabilities of these instruments. The LensAFM not only provides 3D surface topography information, but can be used to analyze various physical properties of a measurement sample as well.

*Image: www.NANOSURF.com*

## 3D Scanner for Documentation and Surveying

The ultra-portable 3D scanner from FARO enables fast, straightforward, and accurate measurements of objects and buildings. It records architectural façades, complex structures, production and supply facilities, accident sites, and large-volume components.

*Image: www.FARO.com*

## Lens2Fiber fusing for up to 20 kW peak power

The High Power Fusion™ Fiber Collimators utilize patented fiber fusion technology to enable the collimators to be used at very high power. The fiber is laser fused directly to a plano-plano silica rod, resulting in an index matched transition from fiber to rod without any glass to air interface to cause unwanted back-reflections. The technology alleviates the need to angle polish the fiber, which allows the system to remain coaxial.

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# enabling your ideas.

Optical, Power and Thermal Management Technologies


**GERMANY**
AMS Technologies AG
Fraunhoferstr. 22
82152 Martinsried, Germany
Phone + 49 (0) 89 895 77 0

**ITALY**
AMS Technologies S.r.l.
Via Copernico, 21
20025 Legnano (MI), Italy
Phone + 39 0331 596 693

**SPAIN**
AMS Technologies S.L.
C/Filadors 35, 3º, 7ª
08208 Sabadell, Spain
Phone + 34 93 380 84 20

**FRANCE**
AMS Technologies S.A.R.L.
Silic 649 – Bâtiment Magnolia
16, avenue du Québec
91945 Courtaboeuf Cedex
Phone + 33 (0) 1 64 86 46 00

**NORDICS**
AMS Technologies Nordics
Azpect Photonics AB
Aminogatan 34
431 53 Mölndal, Sweden
Phone + 46 (0) 8 55 44 24 80

**UNITED KINGDOM**
AMS Technologies Ltd.
Nene House, Drayton Way
Daventry, Northamptonshire
NN11 8EA, United Kingdom
Phone + 44 (0)1455 556360


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info@amstechnologies.com
www.amstechnologies.com
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