

# ***News Release***

Laser Optics  
Waveplates

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For Immediate Release

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## ***Waveplates, With Virtually Any Wavelength, Now Available in 3 – 5 Days***

Boynton Beach, FL — Tower Optical Corp. has just announced an industry first, offering the availability of Zero Order Waveplates at virtually any wavelength, between 280nm and 1350nm. Previously, lead-time would have been 8 weeks but with new process technology these products can be delivered in 3 – 5 days.

### ***Background***

Tower Optical's Zero Order waveplates are air-spaced and constructed from Laser Quality Crystal Quartz plates separated by a precision spacer. The wavelength and retardation of each plate is controlled by the thickness of the plate. During manufacture the thickness of the plate is precisely controlled by computer integrated laser inspection to 0.01 microns. In final assembly the plates are matched to produce the desired retardation at the customer's specific wavelength.



***The Final Product***

Waveplate availability, at virtually any wavelength, is now possible in a matter of days compared to having to make a special production run which typically takes 8 weeks. Until now the waveplates were offered in 49 different wavelengths between 248 nm and 2021 nm. The waveplates can now be ordered at any wavelength between 280 nm and 1350 nm. This range represents 95% of current requests. This new approach now optimizes a customer's system performance since he/she is not concerned with retardation errors from the use of an off-the-shelf wavelength waveplate.

This new technique is available to the waveplate product line known as the AO15Z Series at either  $\frac{1}{2}$  wave or  $\frac{1}{4}$  wave retardation. All four surfaces are AR (Anti-Reflection) coated, and the assembly is mounted in a one-inch mounting ring.

***Pricing and Availability***

All of the AO15Z Series waveplates sell for \$295 each for quantities of 1-9, and are available within 3-5 business days. Significant discounts are available for larger quantity orders. For more information please visit [www.TowerOptical.com](http://www.TowerOptical.com) or contact Tower at 800-526-7560 or Fax 561-740-2518, or email [sales@TowerOptical.com](mailto:sales@TowerOptical.com).

***General***

***Zero Order Waveplates as well as other optical products*** are available from Tower Optical Corp. who is known for high quality products at competitive prices. Tower supplies precision micro optics for network components and conventional-size for instruments and research.

Tower Optical is known as supplier of precision optics and the highest quality quartz crystal components for researchers at National Laboratories and Universities worldwide, as well as for industrial OEM customers, including leading corporations and the U.S. Government.

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