

Optomechanical Components

Three-Dimensional Universal Mounting Component System for Optical Breadboards

The Anvik Universal Mounting Component (UMC) System represents a revolutionary advance in optomechanical setups for experiments and breadboard-type constructions that comprise laser sources, lenses and mirrors, detectors and vision systems, and other optical, electronic and mechanical components. The UMC System is a versatile and cost-effective approach to building three-dimensional optical layouts and is attractive for optical researchers as well as system designers. The UMC System minimizes the need for expensive right-angle brackets, pedestals and posts for most applications by employing a small number of UMC parts which can be mounted to breadboards and to each other in T-shaped, L-shaped, lying flat or standing on-edge configurations.

Cost-Effective Solution

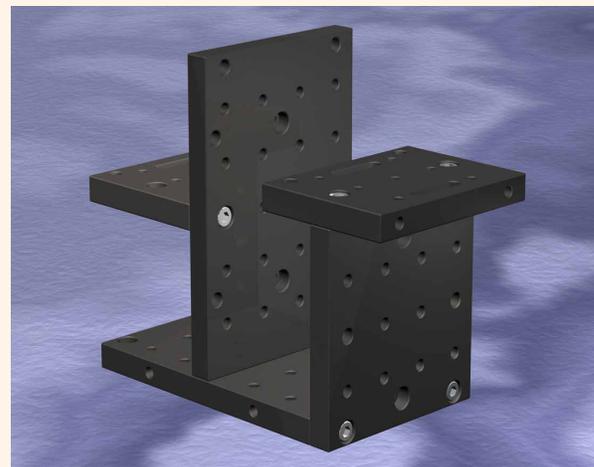
- Economical way to build complex three-dimensional optical layouts
- Reduces expense of maintaining a large inventory of specialized hardware
- Provides a standardized and economical inventory of optomechanical hardware

Flexibility in Mounting

- Optical components and hardware can be mounted at right angles and at different heights
- Convenience of mounting complex optical assemblies on smaller breadboards
- Greater functionality of mounting hardware at low cost
- Product simplicity and strategic locations of mounting holes provide diverse customized configurations for optomechanical assemblies

Full Compatibility

- The UMC system is fully compatible with all commonly used optical mounting hardware made by other manufacturers as well as standard optical breadboards and tables designed with 1/4-20 UNC-2B threaded holes on 1-inch centers or M6 threaded holes on 25 mm centers



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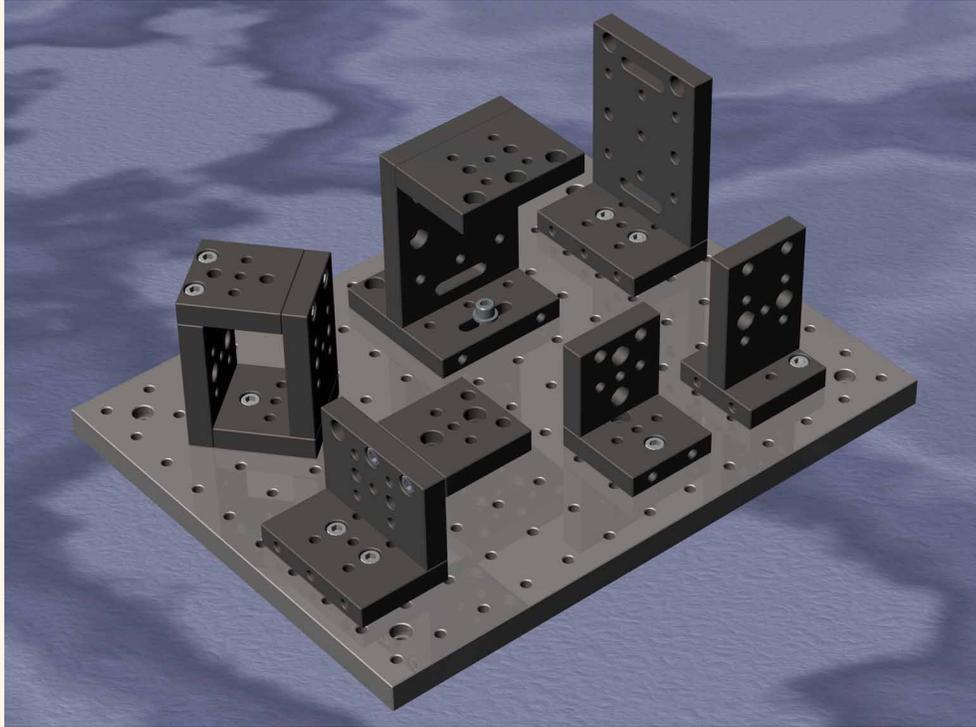
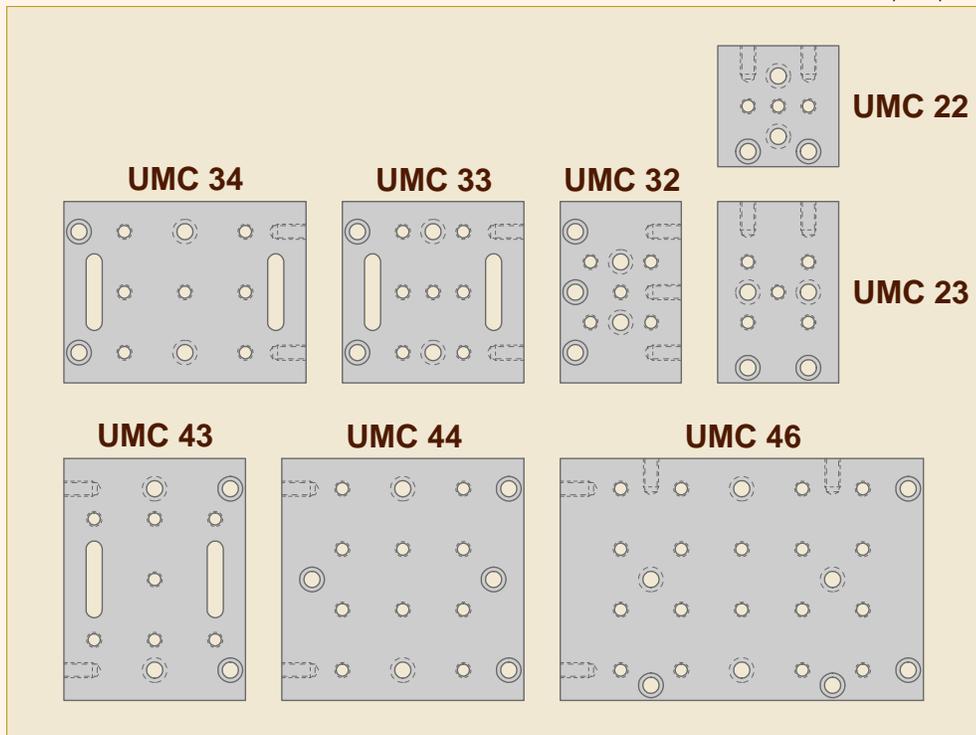


Illustration of a breadboard with several different configurations assembled using the Anvik universal mounting components Model Nos. UMC 22, UMC 23, UMC 32, UMC 33 and UMC 34 .



Front Views of the set of eight Anvik Universal Mounting Component System, all of which have the same thickness (1/2 inch). All parts are black hard anodized aluminum or brushed aluminum.



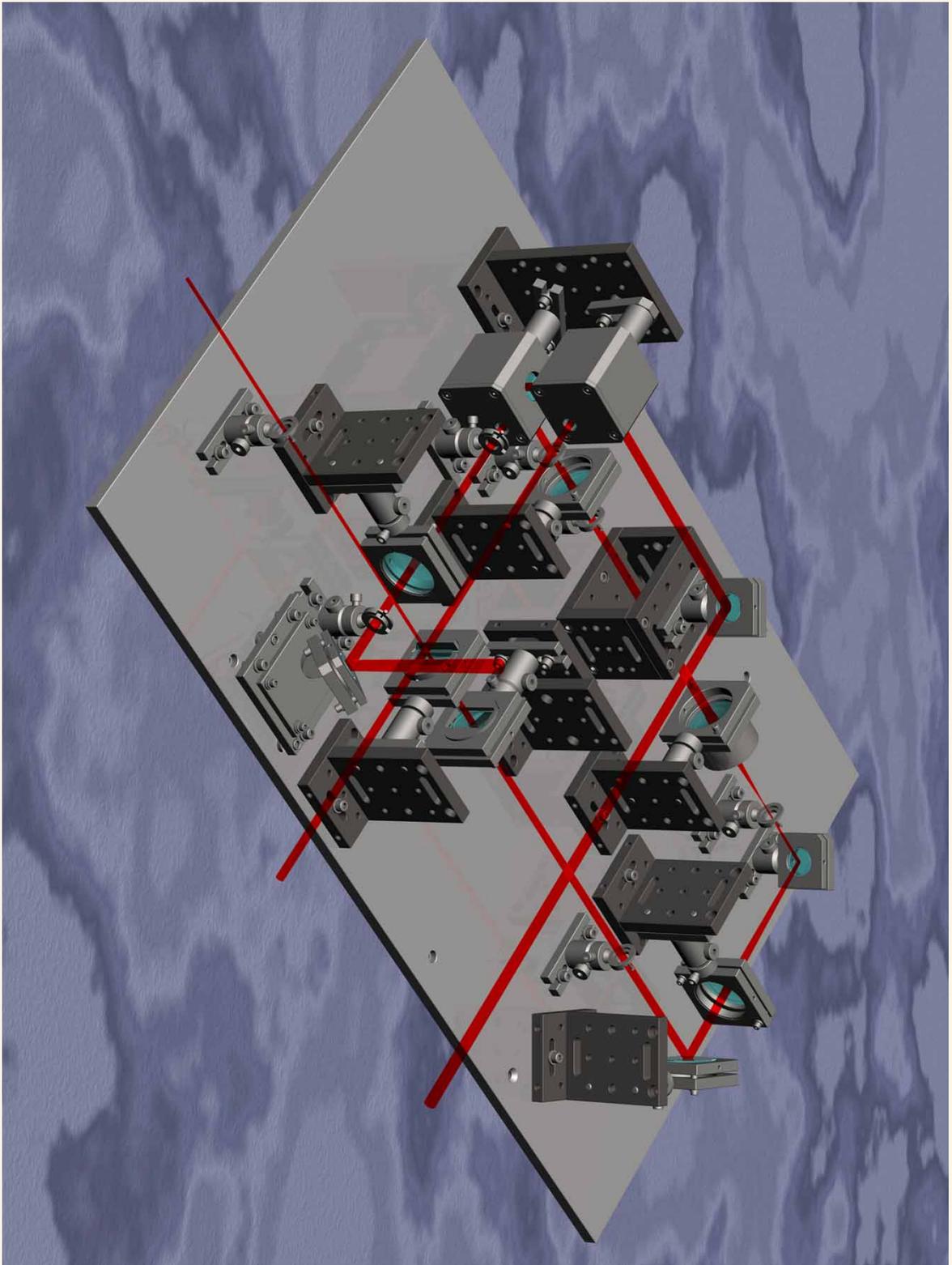


Illustration of an illumination optical setup with the mounts assembled using the Anvik UMC 33, UMC 34, UMC 43 and UMC 46 universal mounting components.

