



## FixOptix Modular Fixture System for Optical Comparators

FixOptix Modular Fixture System for comparators is the first of its kind. The kit is economical and very functional. The system mimics traditional fixtures like vee-blocks, vises, and centers. It also allows the user to create an infinite variety of fixtures to stage parts that are not easily held by traditional fixtures.

### Features

- The t-slot system offers multi-axis infinite adjustment of part-locating components.
- A 16.5" fixture base with spring-loaded mounts for easy on/off the comparator. The base for benchtop machines has (5) t-slots. For larger machines longer bases with (7) t-slots are available
- The base and 6" vertical risers are laser-engraved for easy repeat setups
- New "near zero force" self-wedging clamps allow soft and fragile parts to be held with a minimum of distortion
- Sliding locators can be used in a variety of configurations to optimize part presentation to the comparator
- (2) Ridged right angle locators allow edges to be seen clearly with back-light illumination
- Integrated components like the jackstand, spherical fixture pins, and conical locators may all be used on the plate, risers, or standoffs for tremendous flexibility

### FixOptix OFK-1 Kit with optional rotary vise stage



Optional Rotary Vise shown



## The FixOptix OFK-1 kit includes the following items

Included in this kit are the following items...

- (1) 16.5" fixture base with five t-slots and laser engraved reference scale for repeat setups. Includes spring-loaded mounts that locate into comparator stage dovetail slot.
- (2) 1" standoffs with stainless 1/4-20 posts.
- (4) 1.5" standoffs with stainless 1/4-20 posts
- (2) 2" standoffs with stainless 1/4-20 posts
- (2) 6" laser engraved vertical risers with six t-slots
- (4) Right angle t-nuts with (6) 1/4-20 tooling holes for mounting risers, or for use as sliding locators
- (3) Ridged corner locators that allow part edge to be viewed with rear illumination
- (2) Sliding t-nut blocks with (2) threaded holes provide tooling holes perpendicular to t-slots
- (4) Conical locators that can simulate a Vee-block or "centers" when combined with other components
- (3) Unique tail-spring clamps provide "near zero" force clamp action, and can be used for adjustable locators
- (3) Stainless clamp rods, 4" for use with tail-spring clamps
- (1) Stainless clamp rod, 8" for use with tail-spring clamps
- (7) 1/4-20 locknuts/wearpads for locking components onto t-slots
- (4) T-nuts, 1.5" w- (2) 1/4-20 threaded holes, lock components onto t-slots of plate or risers.
- (4) Stainless adjustable rests with spherical top, 1/4-20 thread, can be used as side locators or vertical locators.
- (1) Mini jack-screw platform, stainless w-1/4-20 post
- (30) 5/16" x 1/4 -20 set-screws with nylon tips, are used to lock components into t-slots





The FixOptix system may be used as a modular flexible kit, or may be used to develop semi-dedicated fixtures for higher volume process-control inspection applications.

Modular components can be combined with custom details to suit part holding applications.



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