

# FixLogix

## New Modular Fixture Technology for Comparators

This new modular fixture system for optical comparators is the first of its kind. The kit is economical and very functional, allowing a great variety of part staging fixtures to be built. The system can mimic 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.

### System Features

- The t-slot system offers multi-axis infinite adjustment of part-locating components.
- A 16.5" x 6" fixture base with (7) t-slots laser engraved with reference scales for easy repeat setups. A slimmer 5" plate with 5 t-slots is also available. Spring-loaded mounts for easy on/off the comparator.
- (2) Laser-engraved 6" vertical risers with (6) t-slots
- 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
- Kit components are anodized aluminum or stainless steel for corrosion free use
- Additional optional components like magnetic locators and swivel-heads are readily available

## The FixOptix Modular Fixture Kit includes the following items:

The CCP modular fixture kit includes the following:

- (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 for locking components onto t-slots
- (7) T-nuts, 1.5" w- (2) 1/4-20 threaded holes, lock components onto t-slots of plate or risers.
- (4) Stainless adjustable rests, 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

Complete FixOptix kit shown below with base-plate and optional rotary vise stage



## Simplify your part holding with FixOptix modular comparator fixtures



## Optional Rotary Vise Stage mounts onto Fixture Base



The rotary vise stage has the following features:

- A steel vise with a precision ground finish. The vise is 1.25" width with a 2.9" clamp range. The vise can slide in the rotary stage so that a different diameter parts can be centered for true rotation.
- The vise base has a laser engraved rotary scale with 1° increments, and mounts to the fixture base. The rotary stage has full 360° rotation.

## Modular Fixtures Simplify Your Work-holding

