



Quick Load Corner

FIXTURING FOR VISION SYSTEMS

The R&R Solution. **Everything to Hold Anything.**™

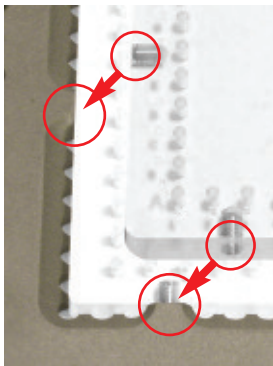
YOUR SINGLE SOURCE FOR CMM & VISION FIXTURING

Enhance Your Vision System

The R&R Fixtures Quick Load Corner (QLC) vision kit is designed for repeatability and holding any size, shape, or type of part on your vision system. Each kit is made up of a QLC frame, a base plate, and a set of components. It can hold the smallest of parts in an unlimited number of ways and in as free of state as possible with a clear view of the part.

Magnetically Attach Your Vision Plates and Fixtures

The QLC contains magnets that make R&R's vision acrylic base plates snap into an exact position for ease of relocating the plate every time. Modular or custom plates can be used with the QLC. Steel pins are pressed into the sides of these plates that align with the magnets on the QLC frame to easily attach the plates into the same position each time.

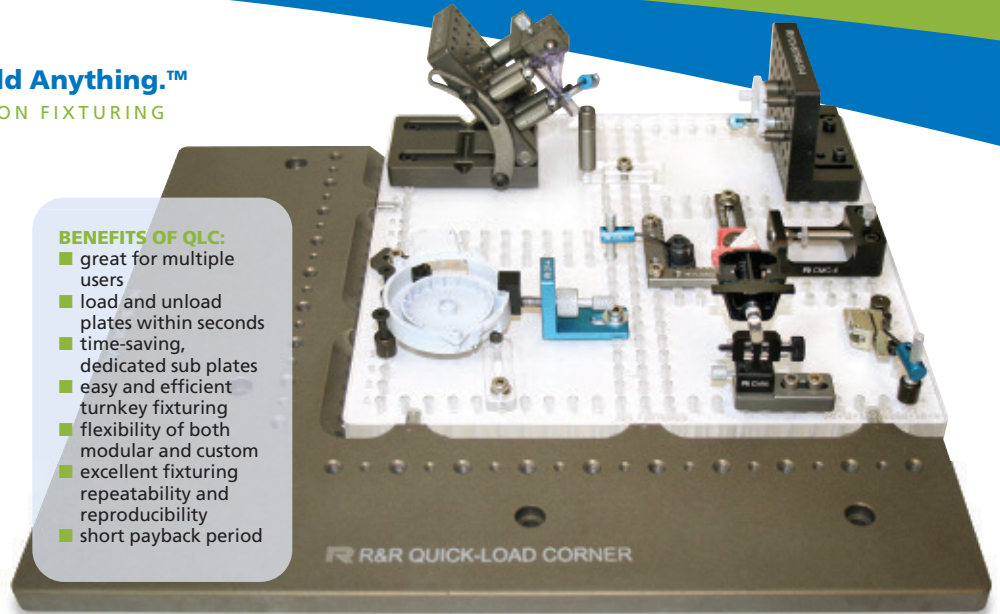


Simply slide the pins toward the magnets on the QLC frame to attach the base plate to the same position every time.

No more downtime waiting for fixturing. While one fixture is running, another can be loaded with parts or built up, keeping your vision system continuously running and productive.

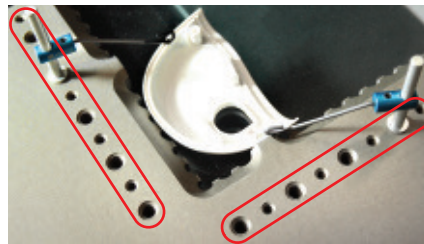
BENEFITS OF QLC:

- great for multiple users
- load and unload plates within seconds
- time-saving, dedicated sub plates
- easy and efficient turnkey fixturing
- flexibility of both modular and custom
- excellent fixturing repeatability and reproducibility
- short payback period

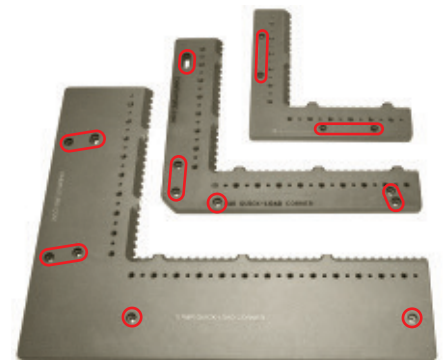


Serrations for Easy Viewing

For more flexibility, serrations are included on the edges of the QLC. Parts can be easily inspected and viewed by mounting them directly against these serrations using either M4 or 1/4-20 fixture clamping components allowing complete access around your part.



Threaded holes for mounting components.



Mounting holes attach the QLC to vision machine.

Specifically Designed

The QLC is made specifically to fit your vision stage and will vary in size depending on your stage and the mounting hole locations.

COMPONENTS: R&R Fixtures has the largest selection of modular components available.



Choosing a Quick Load Corner kit is as easy as 1, 2, 3!

1

Vision machine:

Locate your vision machine's model number in the kits chart (shown on page 4). Please contact us if you do not see your model listed. A QLC frame will be designed to fit the size and mounting hole locations for the stage of your specific vision machine. All QLC frames include M4-threaded holes, serrations along the inner edges, and magnets for quickly attaching the base plate.



2

Base plate:

Choose between our two styles of acrylic base plates. Both have M4-threaded holes for attaching components as well as dowel pins to magnetically attach the plate to the QLC frame. The sizes of windows and rows of holes will vary depending on the plate size.

Multi-Window Plate



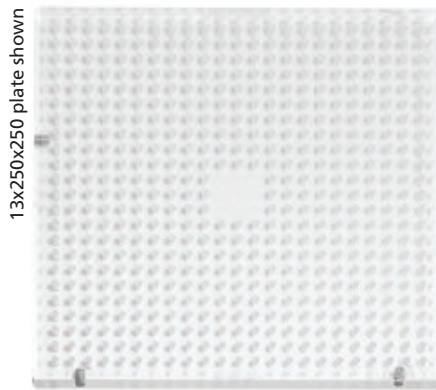
- MORE WINDOWS FOR THE
CLEAREST VIEW OF SMALL PARTS

Our multi-window acrylic base plate contains clear window areas for optimal viewing of parts without obstructing the view.

Parts can be placed and held directly onto the base plate with components that secure the part from above or from the side. Ideal if you have many small parts less than 50mm in size but is not limited to only small parts. The multi-window plate can accommodate parts of any size as long as the part can be fixtured within the threaded hole spacing. Window sizes vary depending on the size of base plate. The 400x400 plate comes with a configuration of 7 windows plus a multi-hole area for maximum versatility.

Plate Size (mm)	Windows
13 x 200 x 200	5
13 x 250 x 150	5
13 x 250 x 250	5
13 x 400 x 400	7

Multi-Hole Plate



- MORE THREADED HOLES FOR
SETTING UP MULTIPLE PARTS

Our multi-hole acrylic base plate is ideal for checking all sizes of parts at one time. An unlimited number of parts can be setup using our R&R Fixturing components. Various components can accommodate a variety of shapes and sizes of parts

that need to be fixtured. We include an area in the center of the plate that has no holes. This area is for viewing and positioning parts that are 30mm or smaller. Parts that are larger than 30mm can be elevated by using our components to give an unobstructed view of the part.

Plate Size (mm)
13 x 150 x 150
13 x 200 x 200
13 x 250 x 150
13 x 250 x 250

3

Component set:

Choose between our three different modular QLC component sets for fixturing your parts on the base plate. Some of the larger machines are available with more than one option. All included components have M4 threads. Visit our website for our complete selection of individual R&R Fixtures components.

QLC Component Set A

(47) M4 components

QTY	PART #	DESCRIPTION
3	S-610-4	6mm dia. x 10mm standoff *
3	S-625-4	6mm dia. x 25mm standoff *
3	S-95-4	9mm dia. x 5mm standoff *
3	S-910-4	9mm dia. x 10mm standoff
3	S-920-4	9mm dia. x 20mm standoff
3	S-925-4	9mm dia. x 25mm standoff
3	S-1210-4	12mm dia. x 10mm standoff
3	S-1225-4	12mm dia. x 25mm standoff
2	SP-610-4	6mm dia. x 10mm pin standoff
2	SP-910-4	9mm dia. x 10mm pin standoff
2	CTT-40-25-4	40mm tension clamp with rubber coated tip; 25mm post
2	CWT-25-25-4	25mm wire clamp with rubber coated tip with 25mm post
2	CWT-50-50-4	50mm wire clamp with rubber coated tip with 50mm post
4	RPA-4	aluminum resting pin
1	VC-5050-4	50mm x 50mm corner viewer
1	AJ-9-4	9mm dia. adjustable jackstand
1	CP-4	pusher clamp
1	AS-30-4	30mm long adjustable slide
1	ASA-45-4	45mm long adjustable acrylic slide base
1	TB-B-1619-4	16mm sq x 19mm tower block with base
1	CVM-B-4	micro-clamp vise with base
1	CSPS-1210-4	12mm dia. x 10mm spring pusher standoff clamp
1	TC-300190-4	300mm x 190mm x 25mm component tray

*no top thread

QLC Component Set B

(84) M4 components

QTY	PART #	DESCRIPTION
3	S-65-4	6mm dia. x 5mm standoff *
6	S-610-4	6mm dia. x 10mm standoff *
6	S-625-4	6mm dia. x 25mm standoff *
3	S-95-4	9mm dia. x 5mm standoff *
6	S-910-4	9mm dia. x 10mm standoff
6	S-920-4	9mm dia. x 20mm standoff
6	S-925-4	9mm dia. x 25mm standoff
6	S-1210-4	12mm dia. x 10mm standoff
6	S-1225-4	12mm dia. x 25mm standoff
4	SP-610-4	6mm dia. x 10mm pin standoff
4	SP-910-4	9mm dia. x 10mm pin standoff
4	CTT-40-25-4	40mm tension clamp with rubber coated tip, 25mm post
4	CWT-25-25-4	25mm wire clamp with rubber coated tip with 25mm post
4	CWT-50-50-4	50mm wire clamp with rubber coated tip with 50mm post
1	CSPS-1210-4	12mm dia. x 10mm spring pusher standoff clamp
4	RPA-4	aluminum resting pin
1	VC-5050-4	50mm x 50mm corner viewer
2	AJ-9-4	9mm dia. adjustable jackstand
1	CP-4	pusher clamp
1	CVM-B-4	micro-clamp vise with base
2	AS-30-4	30mm long adjustable slide
2	ASA-45-4	45mm long adjustable acrylic slide base
1	TB-1619-4	16mm sq x 19mm tower block with base
1	TC-300190-4	300mm x 190mm x 25mm component tray

*no top thread

QLC Component Set C

(111) M4 components

QTY	PART #	DESCRIPTION
3	S-65-4	6mm dia. x 5mm standoff *
6	S-610-4	6mm dia. x 10mm standoff *
4	S-615-4	6mm dia. x 15mm standoff *
6	S-625-4	6mm dia. x 25mm standoff *
3	S-95-4	9mm dia. x 5mm standoff *
6	S-910-4	9mm dia. x 10mm standoff
4	S-915-4	9mm dia. x 15mm standoff
6	S-920-4	9mm dia. x 20mm standoff
6	S-925-4	9mm dia. x 25mm standoff
4	S-950-4	9mm dia. x 50mm standoff
6	S-1210-4	12mm dia. x 10mm standoff
4	S-1215-4	12mm dia. x 15mm standoff
6	S-1225-4	12mm dia. x 25mm standoff
4	S-1250-4	12mm dia. x 50mm standoff
4	SP-610-4	6mm dia. x 10mm pin standoff
4	SP-910-4	9mm dia. x 10mm pin standoff
4	SP-1210-4	12mm dia. x 10mm pin standoff
4	CTT-40-25-4	40mm tension clamp with rubber coated tip; 25mm post
4	CWT-25-25-4	25mm wire clamp with rubber coated tip with 25mm post
4	CWT-50-50-4	50mm wire clamp with rubber coated tip with 50mm post
4	RPA-4	aluminum resting pin
1	VC-5050-4	50mm x 50mm corner viewer
2	AJ-9-4	9mm dia. adjustable jackstand
1	CP-4	pusher clamp
1	CVM-B-4	micro-clamp vise with base
2	AS-30-4	30mm long adjustable slide
2	ASA-45-4	45mm long adjustable acrylic slide base
1	ASAE-4	adjustable slide
2	TB-1619-4	16mm sq x 19mm tower block with base
1	CSPS-1210-4	12mm dia. x 10mm spring pusher standoff clamp
1	PCV-507540-10-4	50mm x 75mm x 40mm vertical base plate
1	TC-300190-4	300mm x 190mm x 25mm component tray

*no top thread

