

EX31 Automation, LLC

AIQ Catalog

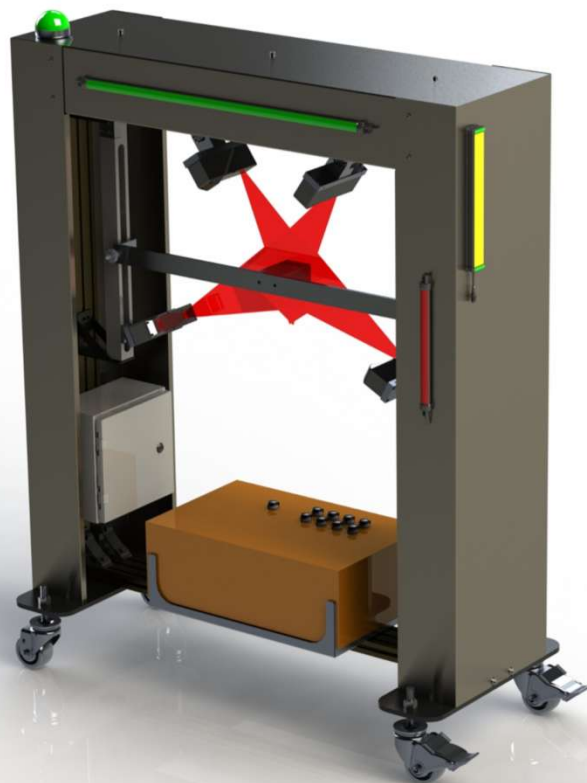


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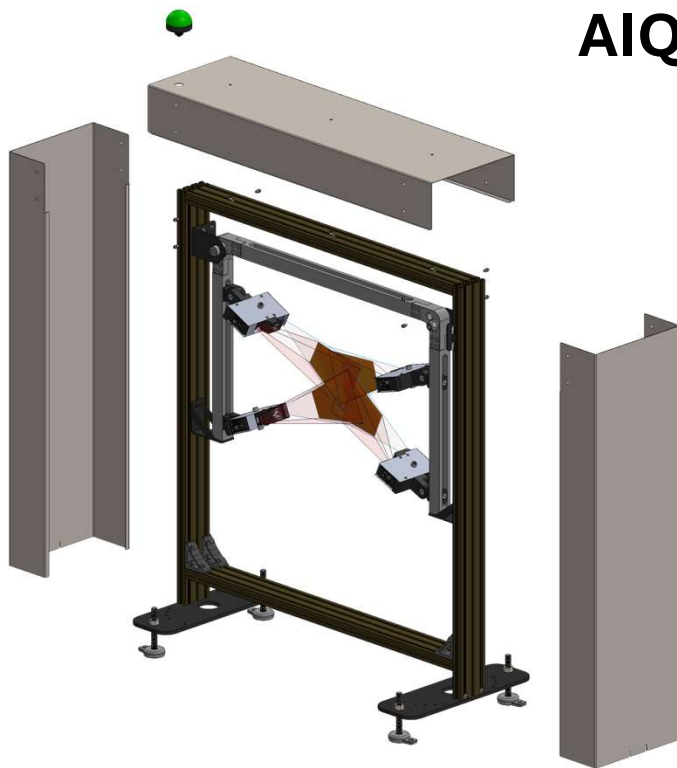
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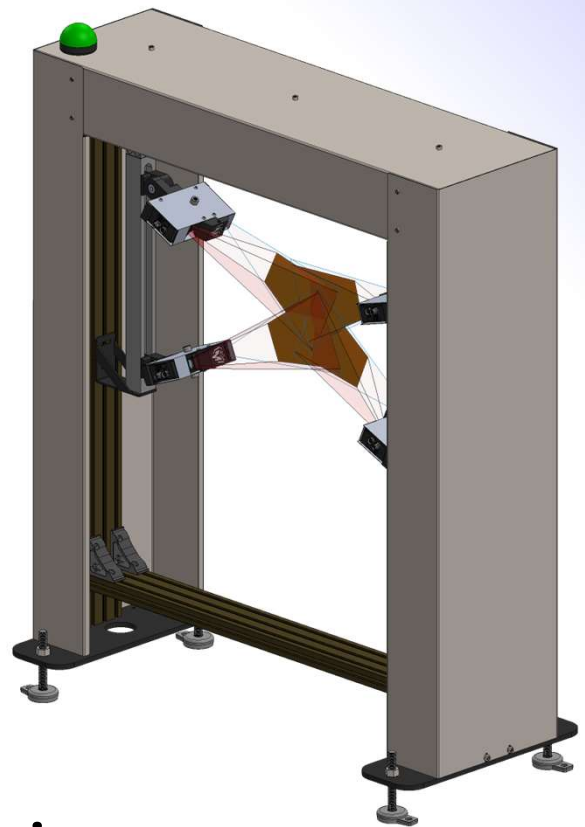
AIQ Solutions – Arch Platforms

Each of these systems comes with a configured precision frame that fits your application. We usually recommend that you start with one universal frame.

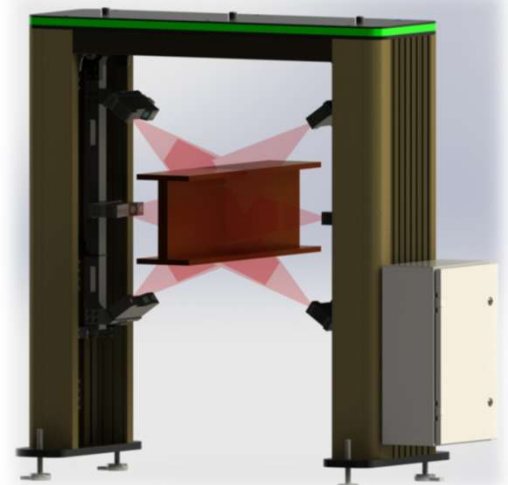
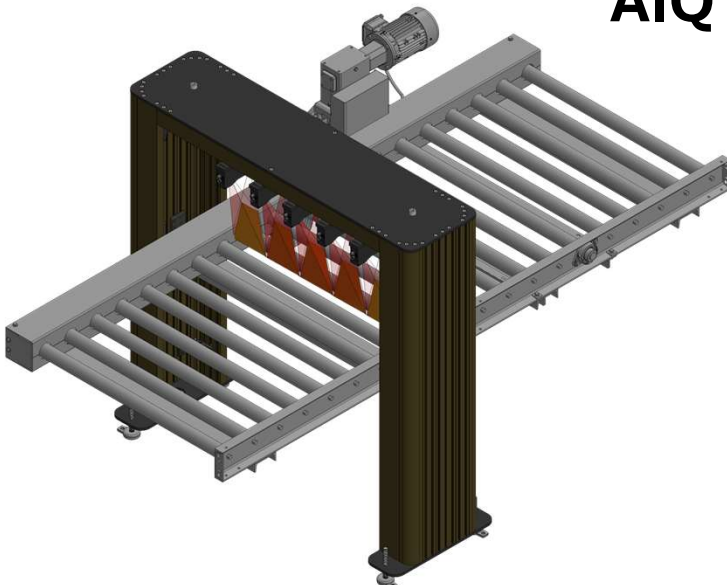
If your factory requires multiple systems, we typically recommend a purpose-built precision frame to eliminate adjustment points.



AIQ Lite



AIQ Classic



AIQ Solutions – Controls

Electrical Options

Our panels are purpose built and in stock. We size the system to host your basic functions for tying the measurement data back to your line PLC or house historian.
Completely configurable off the shelf.



On the go or need to bench setup your ring layout?
Complete controls solution in a case linking up to 8 Gocators:

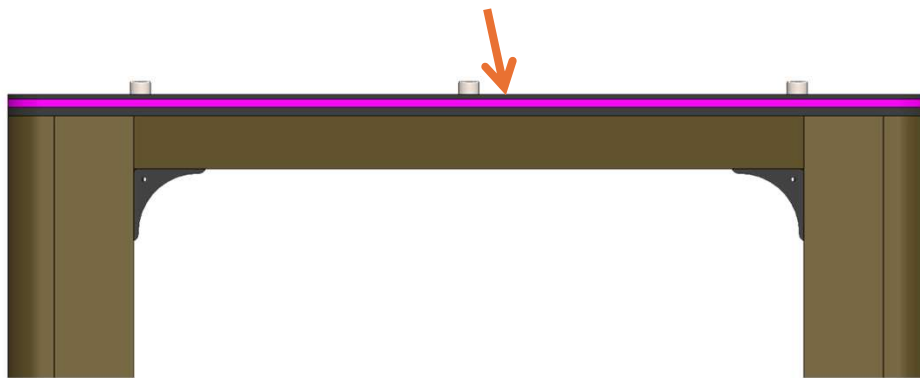


AIQ Solutions – Indication

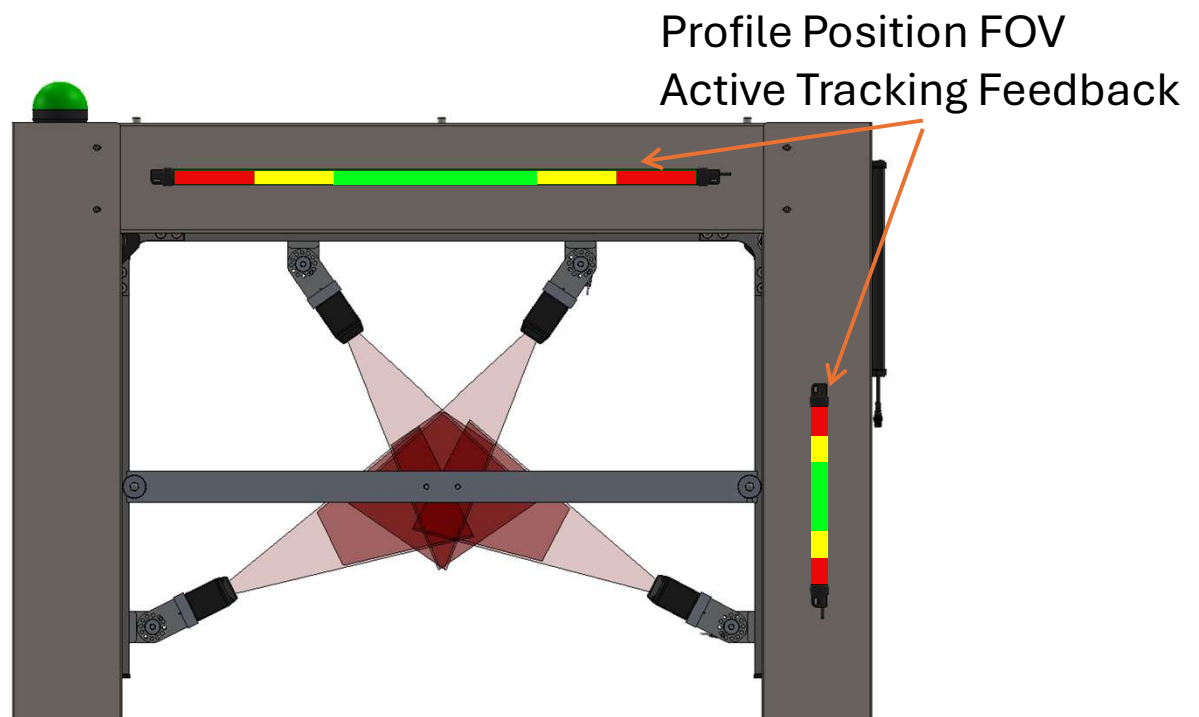
Indication Lighting

We offer a variety of different status lights for our systems. Control can either be from Modbus relay network switch or an integrated IO Link Master which we tie together with onboard controls for smart lighting.

Integrated All-Around Andon Light (Optional upgrade on AIQ Classic)



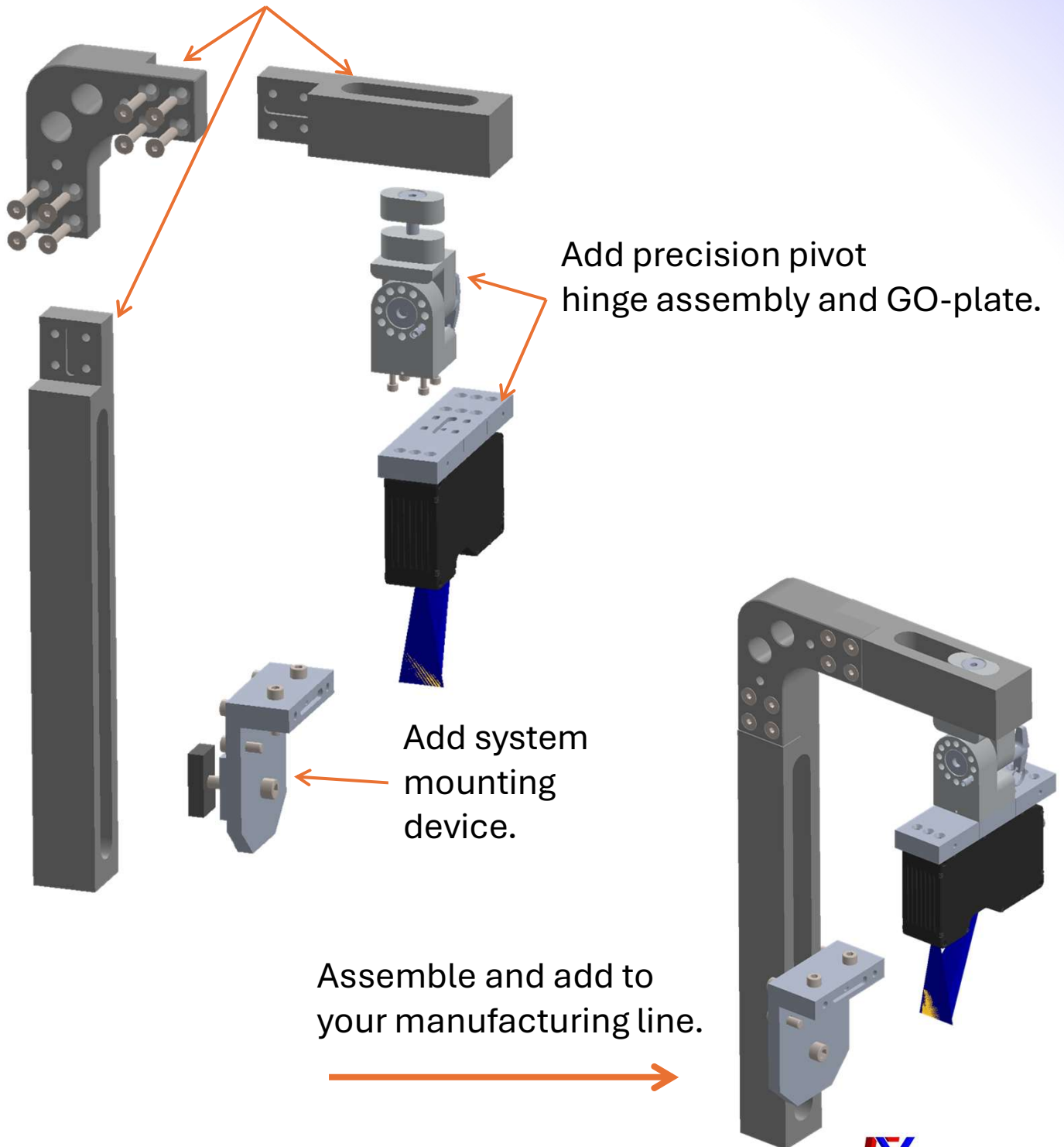
Andon Indicators (Optional Upgrade on AIQ Lite)



Universal Precision Frames

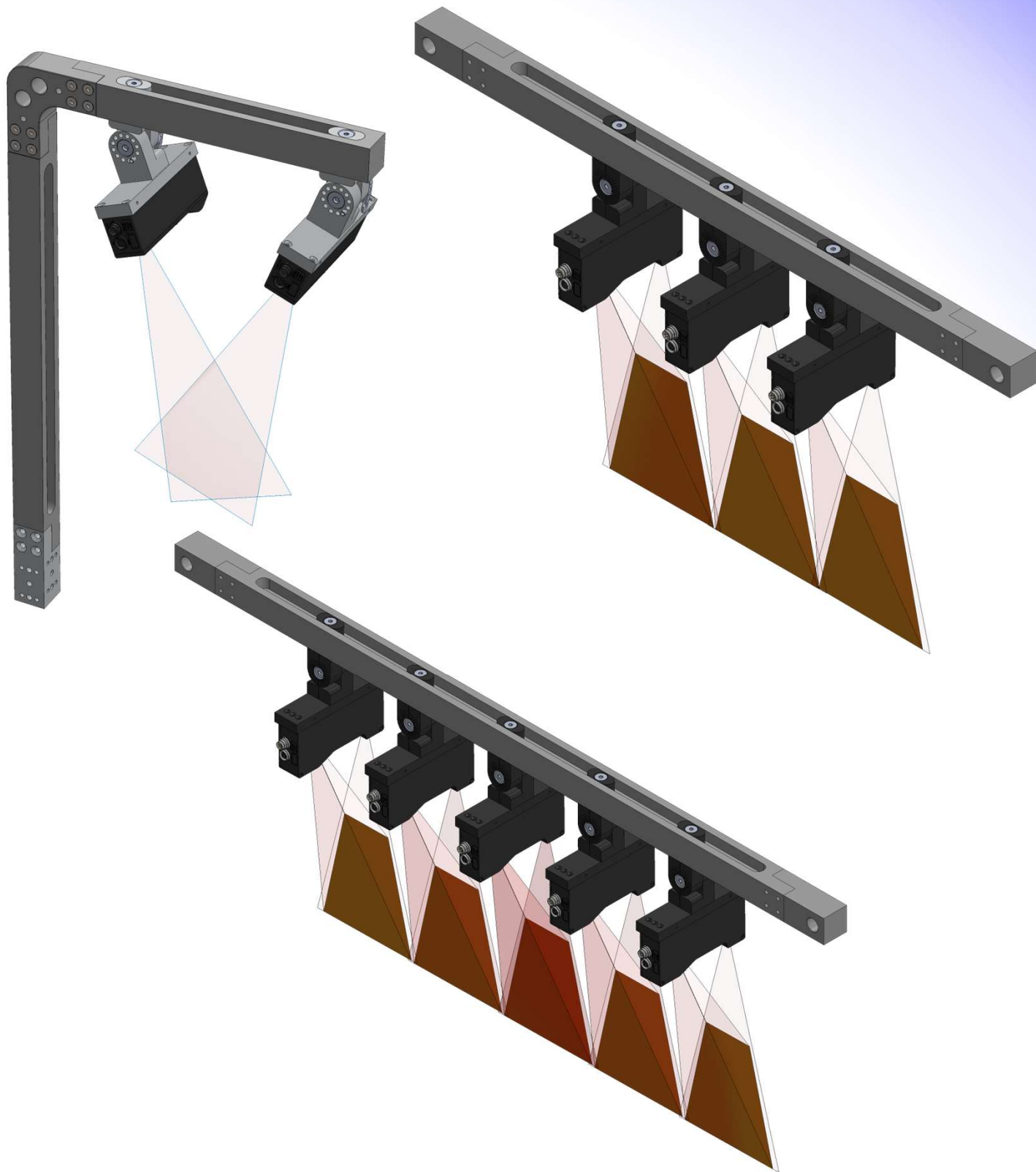
AIQ Precision Frame Example

Select configuration components, corner, and two end arms in this example.



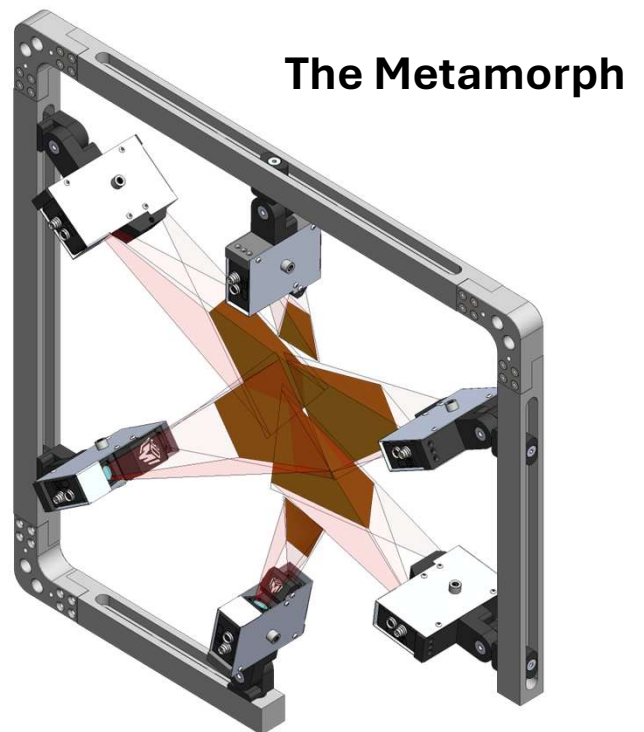
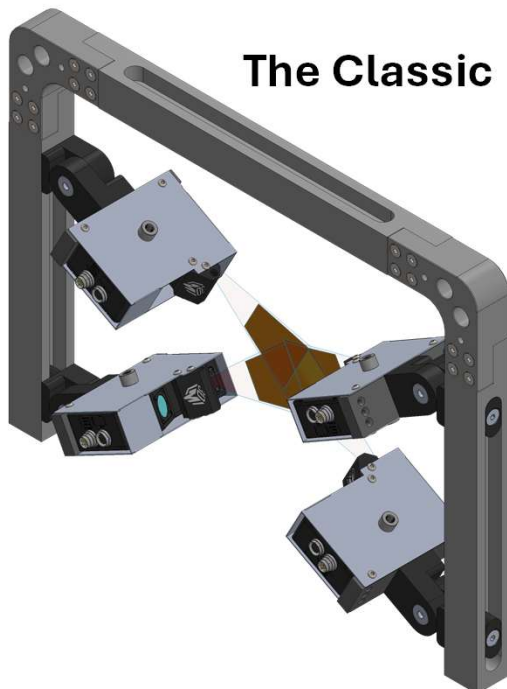
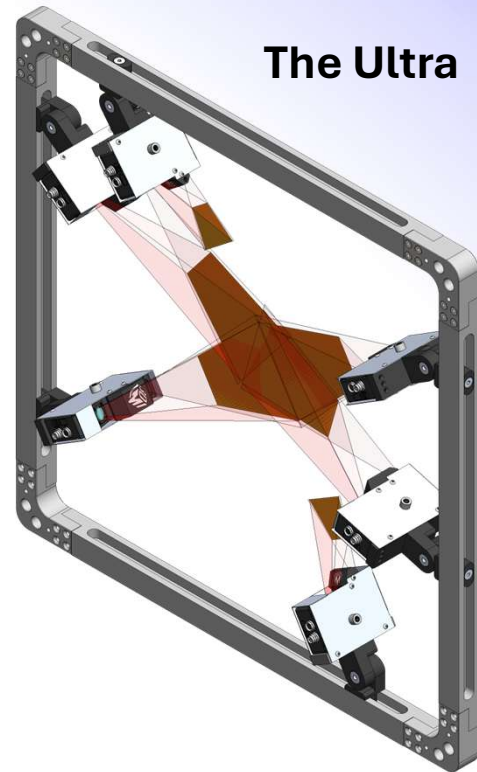
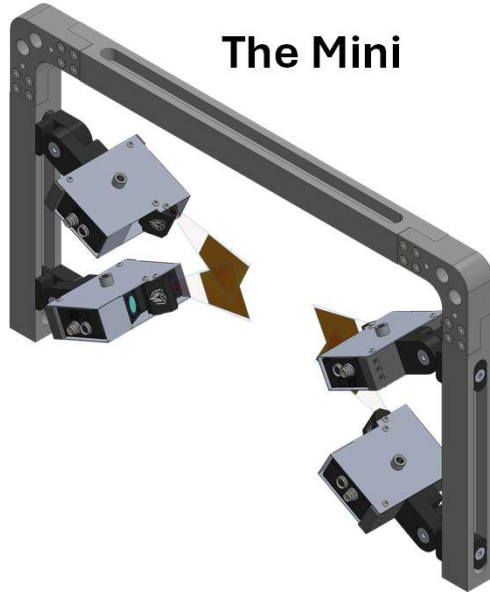
Universal Precision Frames

AIQ Overhead Configurations Examples



Universal Precision Frames

AIQ Precision Frame Examples



Universal Precision Frames

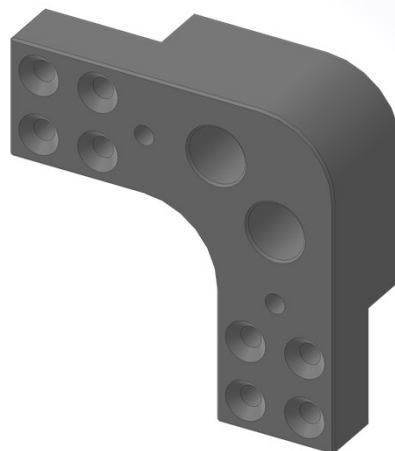
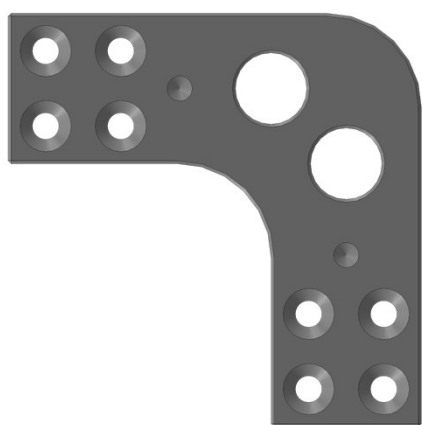
Frame Components – Corners and Pivot Hinges

Precision Corners P# 116-0206

Provides alignment for configuring frame layouts.

List: \$340

Each corner acts as a 90-degree turn.



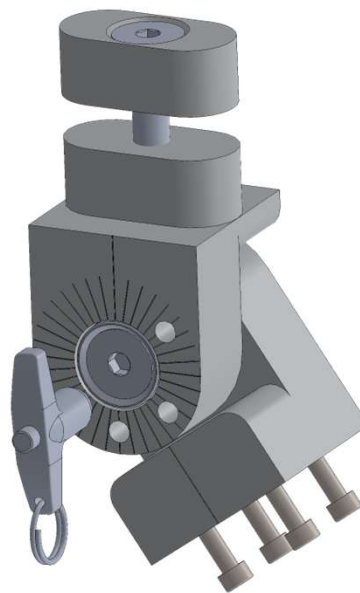
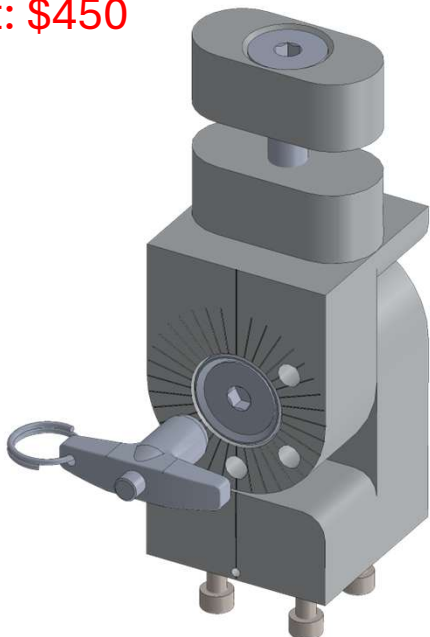
Precision Pivot Hinge P# 116-0504

180-deg. adjustable in 7.5-deg. pin-able increments.

One required for each sensor attachment to the main frame assembly.

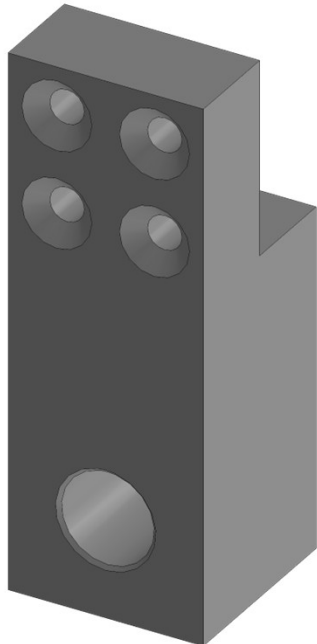
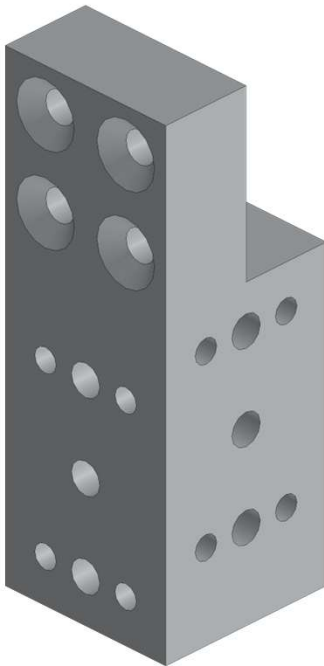
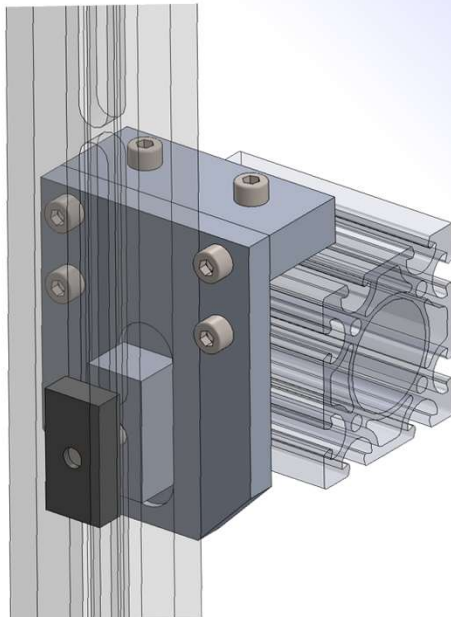
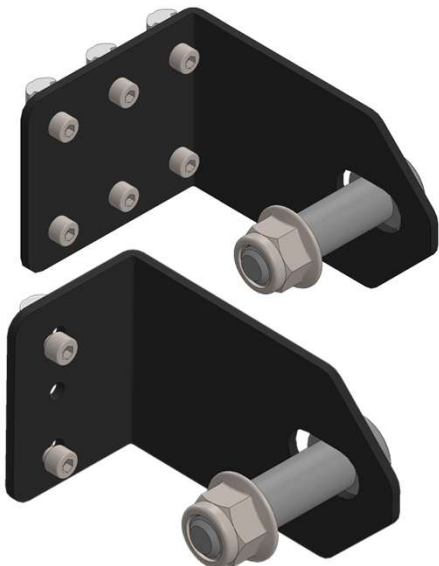
Graduated lines are in 10-degree increments.

List: \$450



Universal Precision Frames

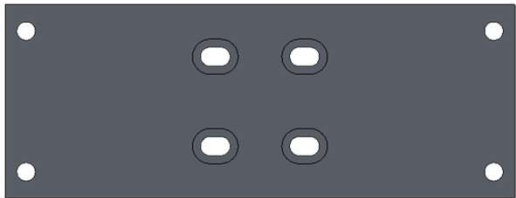
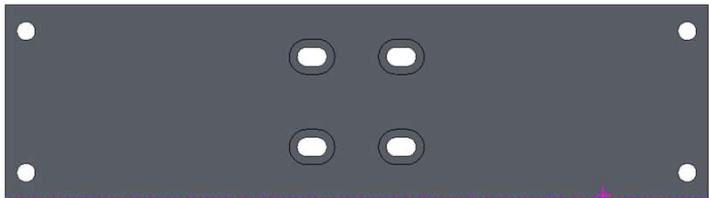
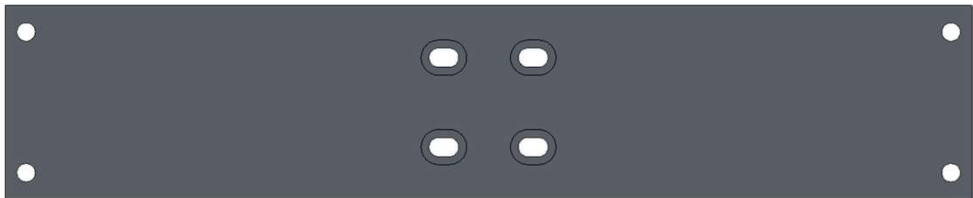
Frame Components - System Mounting

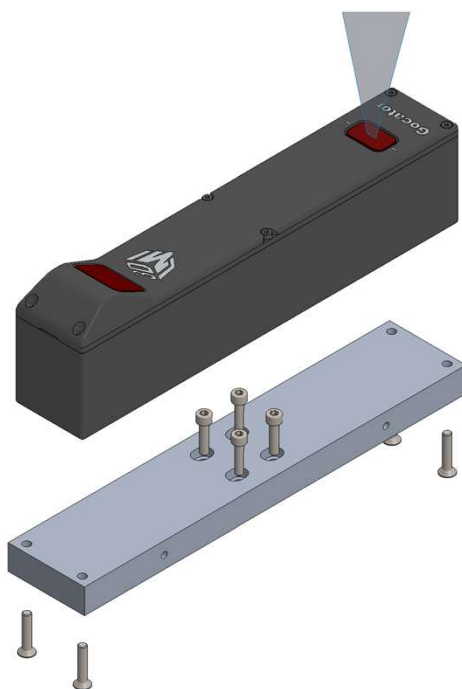
116-0519 – use in combo with a bracket and shoulder bolt	115-0520 – M6 and M8 threaded and clearance holes for easy tie-in to your conveyor	116-0284 - Universal keyed mount for aluminum extrusion attachment
List: \$200 	List: \$300 	List: \$250 
116-0005 Aluminum extrusion tie in bracket for frames with shoulder bolt	116-0019 Frame Support Bracket. Base support for floating the precision frame in an arch	
List: \$250 	List: \$150 	

Universal Precision Frames

Frame Components – GO-Plates 2100 and 2300's

List: \$220 ea., All Sizes

EX31 Part#		Fits Gocators:
116-0134		2130/ 2330
116-0127		2140/ 2340
116-0129		2150/70/ 75/80



Universal Precision Frames

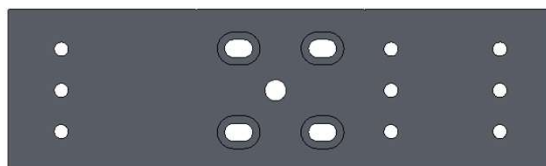
Frame Components – GO-Plates 2400 and 2500's

List: \$220 ea., All Sizes

EX31 Part#

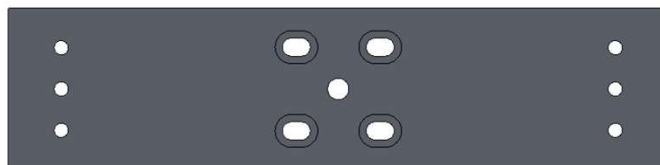
Fits Gocators:

116-0126



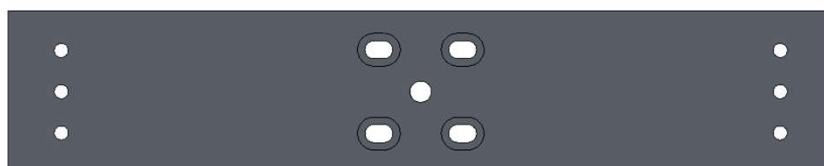
2420/
2430

116-0104



2440

116-0135

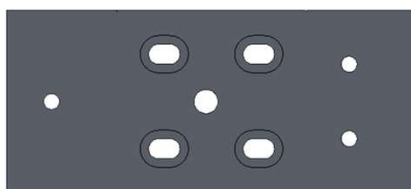


2450

EX31 Part#

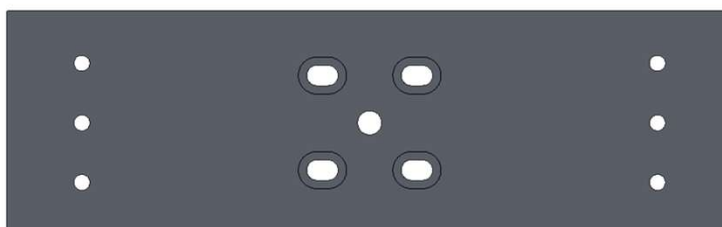
Fits Gocators:

116-0141



2520/
2530

116-0139

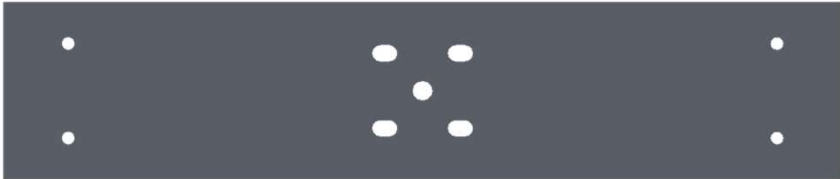


2540/
2550

Universal Precision Frames

Frame Components – GO-Plates 2600’s

List: \$220 ea., All Sizes

EX31 Part#		Fits Gocators:
116-0285		2630
116-0139		2640
116-0286		2650

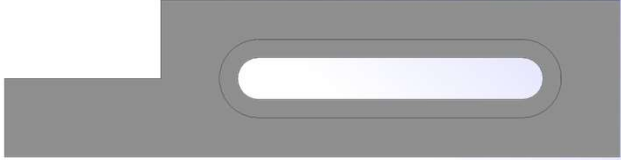
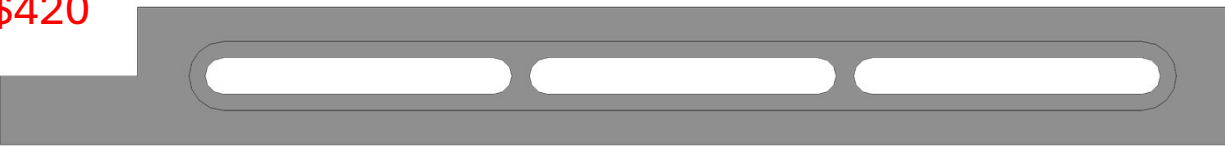
Universal Precision Frames

Frame Components - Cross Bar Reference Assembly 116-0402

Part Number	Overall Length	Adjustment Length
116-0515	550mm (21in)	384mm (15in)
List: \$480 		
116-0511	730mm (28in)	564mm (22in)
List: \$620 		
116-0522	835 mm (32in)	670 mm (26in)
List: \$640 		
116-0502	935mm (36in)	770 mm (30.in)
List: \$640 		
116-0523	1035 mm (40in)	870mm (34in)
List: \$680 		
116-0513	1260 mm (49in)	1095mm (43in)
List: \$840 		

Universal Precision Frames

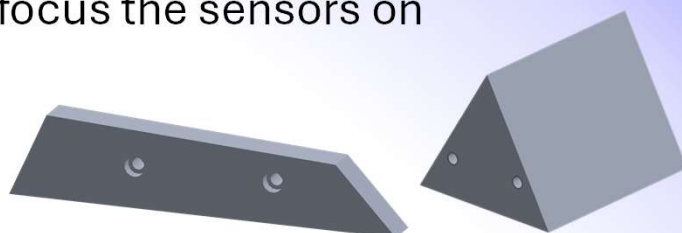
Frame Components - End Bar Reference Assembly 116-0401

Part Number	Overall Length	Adjustment Length
116-0521	200mm (7in)	85mm (3in)
List: \$200 		
116-0524	325mm (12in)	210mm (8in)
List: \$260 		
116-0512	455 mm (17.9in)	340 mm (13.4in)
List: \$420 		
116-0508	660 mm (26in)	545 mm (21.in)
List: \$460 		
116-0514	985 mm (38in)	870mm (34in)
List: \$600 		

Universal Precision Frames

Frame Components – Sensor Alignment

Alignment cross bars are a perfect compliment and the key to factory maintenance. Gauge blocks (not included) can be configured in a variety of shapes as shown here to focus the sensors on critical measurement surfaces.



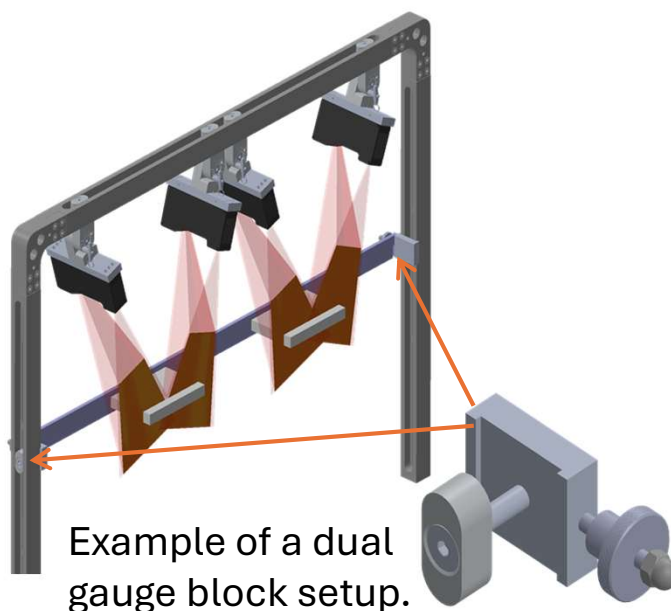
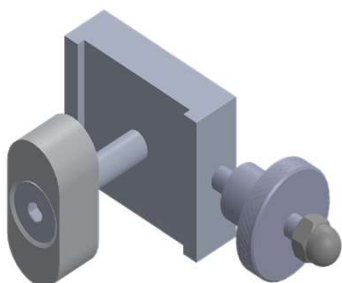
This sensor alignment assembly is easily removed and set aside for normal production, but can quickly be installed to get you up and running if you discover an alignment issue.

Cross bars sized based on frame configuration.

Cross Bar
List: \$150



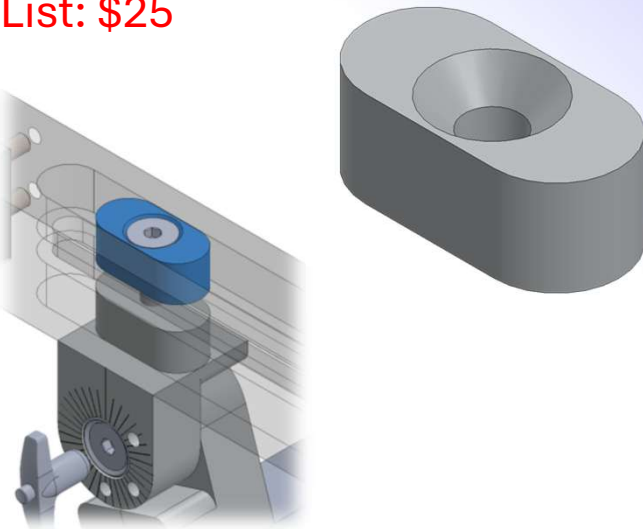
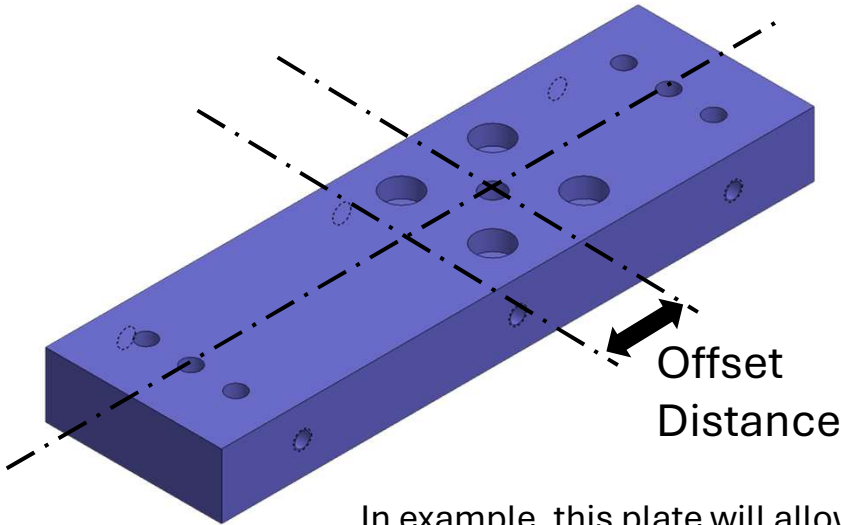
Cross Bar Mounts
List: \$350/pair
(1 pair required per frame.)



Example of a dual
gauge block setup.

Universal Precision Frames

Frame Components - Misc Hardware

Shoulder Bolt and Nut (M20X24X55mm)	116-0507 – Clamp Block Universal M10 Flat Clearance
List: \$150 	List: \$25 
Offset Go-plates available upon request. These are used for combining different series sensors on a single frame and maintaining laser planer alignment.	
List: \$300  In example, this plate will allow you to combine 2430s on the same plane as 2440s	

Precision Frame Configurator Template

Sketch basic shape of frame here and add part numbers below.

Part number	Cost	Qty.	Total