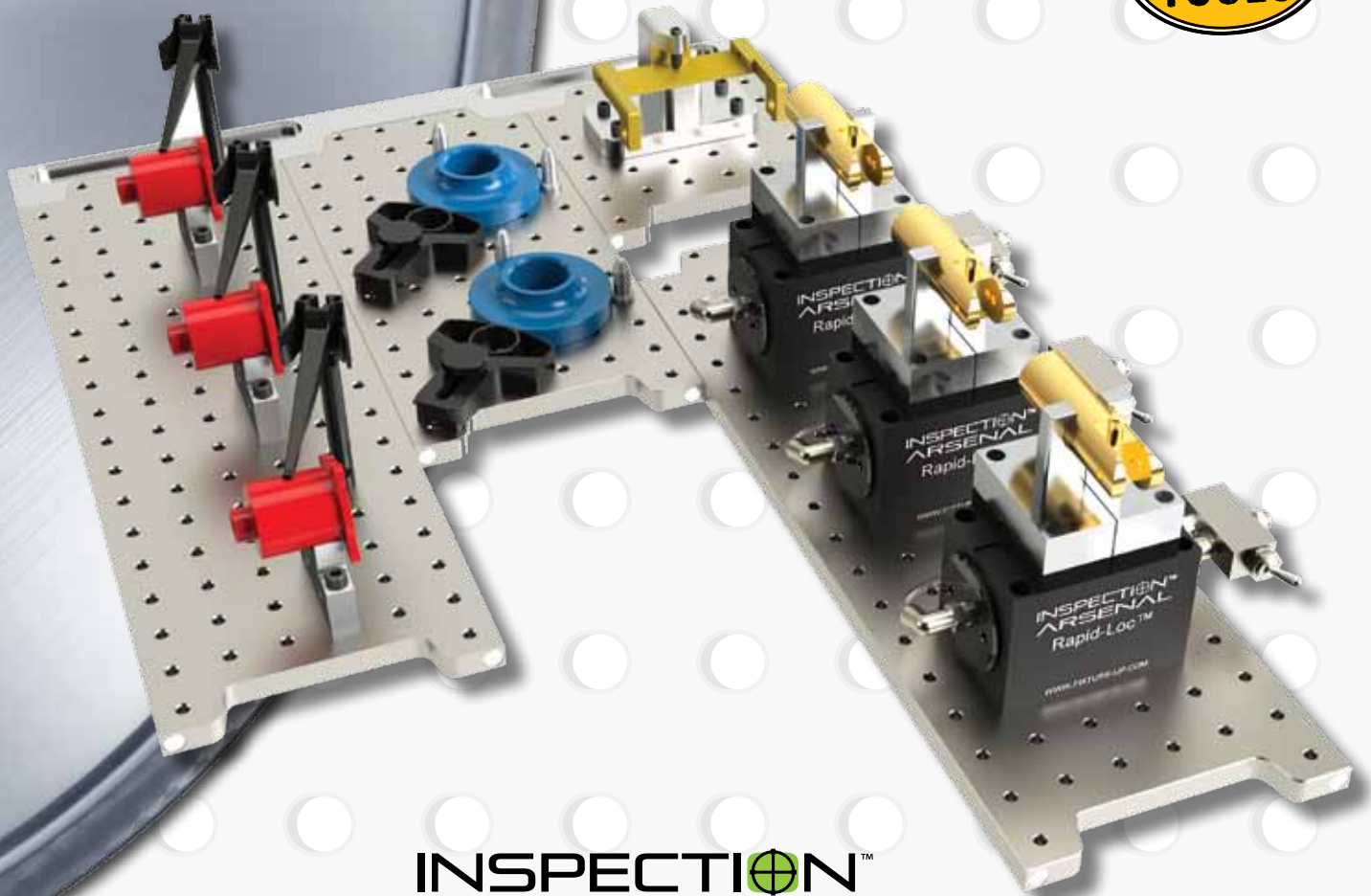


UNIVERSAL FIXTURING

Protect your profits.



INSPECTION ARSENAL™

www.inspectionarsenal.com • 508.869.0373

Products of Phillips Precision, Inc.

Inspection Arsenal™ for CMM, 3D gage arm, optical comparator, and vision inspection.

Modular, magnetically interlocking, easy to implement, quick-swap fixture solution designed to help break workflow bottlenecks.

You are guaranteed to process more parts per shift with these lean, low-cost solutions.

02 Universal Fixturing

04 Loc-N-Load™ CMM Bundled Systems

05 Loc-N-Load™ Fixture Plates and Docking Rails

06 Pneumatic Systems Air Glide™ for Lock-N-Load Plates Rapid-Loc™ Pneumatic Vise

07 Loc-N-Load™ Bundled Systems

08 Open-Sight™ Bundled Systems 09 Open-Sight™ Work-Holding Kit 09 Open-Sight™ Vision Fixture Plates

10 Work-Holding Kits 11

12 Work-Holding 13 CMM and Vision

14 NEW! Modular Tower System

15 Metric Conversion Section 20

21 Fixture Design Services and Custom Plates Order

22 Order form for US and Metric 23

Universal Fixturing

In manufacturing, competition is challenging. You need to work efficiently to be profitable, while also meeting customer delivery dates.

Inspection Arsenal™ from Phillips Precision, Inc. can help you do both. By eliminating bottlenecks at inspection, Inspection Arsenal™ can save you money. Many customers achieve a return on investment in just a few hours!

And, because inspections are no longer slowing down production, you can improve productivity. That's a great way to boost your profits.

Read what our customers have to say on page 3 and see for yourself.

Inspection Arsenal™ is also the first universal fixturing system, providing a complete arsenal of tools that can be used for all inspections.

This lean system addresses many of the issues that affect your profits. It reduces defective parts and overproduction. Inspectors work more efficiently, with less excess motion. In fact, we guarantee that you will process more parts per shift with our lean, low-cost fixturing.

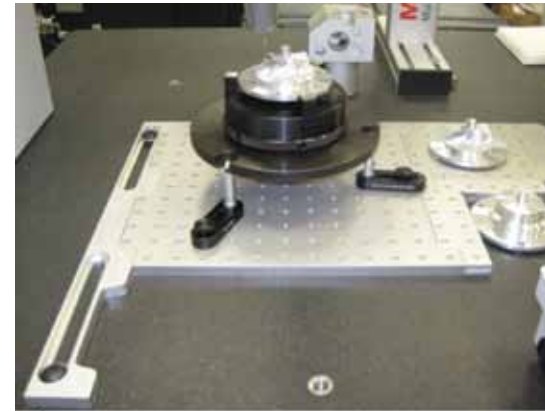
Inspection Arsenal™ simplifies fixturing using a modular, magnetically interlocking quick-swap fixture solution. And inspectors can be trained to use the system quickly.

Learn about the complete arsenal, as well as individual parts on our website. www.inspectionarsenal.com.

Would you spend \$1,000 to save \$100,000?

Now that you know that the ability to deploy a Lean process is readily available, take into account the following.

- Shop labor hourly rate
- Metrology Lab hourly labor rate
- Value of rejected product \$ in-process
- Value of rejected product \$ in final inspection
- Value of rework \$ incurred throughout
- Annual warranty returns in \$ or % of revenue
- Penalty \$ for missed deadlines that could lead to a revoked contract \$
- Value of your reputation if impacted by unsatisfied customers
- Annual Cost of Quality \$ overall
- Make (design, material, labor, machine time, etc.) versus Buy (purchase) decisions for fixturing costs
- Value of standardized and modular fixturing equipment and processes that minimize personnel training



18" Bundled System

Inspection tooling to help you speed production and protect your profits.

The latest technique of **Inspection Arsenal™** will help alleviate stress. By employing lean, quick-swap inspection fixture plates and work holding, you will break the bottlenecks that hold up production all the way back to the spindle.

Here are just some of the stories our customers shared with us about how **Inspection Arsenal™** helped them achieve measurable savings and a nearly immediate return on investment. **Many customers earn a return after just a few hours!**

We're here to help. Inquire about our fixture design services and customization of plates and rails.

Kennebec saved \$40K on parts fixtured with Inspection Arsenal™.



"As part of its lean focus, Kennebec made this fixture

system the standard, thereby reducing fixture and training costs and allowing production personnel to inspect parts. In order of priority, CMM programmers have designed 10 dedicated Loc-N-Load™ fixtures for some of their most complex parts. **Bump roughly calculated a savings of nearly \$40,000 in 2014 for the first seven of the 10 parts converted to Loc-N-Load™ plates.**

"We are saving several minutes of inspection time each on these 5,500 pieces, which require 100% inspection. At our shop rate, the plate is paid for in little more than an hour."

Trevy Bump
Quality Supervisor
Kennebec Technology

Methods Machine Tools saves money daily with lean approach to fixturing.



"We are constantly shuffling between CMM training classes, customer demos, and turnkey inspections.

"The quick-swap features of Loc-N-Load™ and Open-Sight™ fixture systems from Inspection Arsenal™ make moving between these setups quite simple and efficient.

"Reducing the time it takes to build and break down inspection setups and faster recalibration means more time can be spent teaching about equipment features and programming techniques."

Tom Oakes
Quality Applications Engineer
Zeiss

Triangle Manufacturing saved \$125K on just one project.



"The initial product launch of the implant consists of 3,120 complex

parts requiring 100% inspection. Previously, the time to inspect was nearly one hour per piece. The new, leaner process now takes just 35 minutes. **If a \$100 an hour rate is used, the savings in the inspection cycle time alone for this part equates to roughly \$40 per piece or a savings of approximately \$125,000.**

"Much greater savings being realized, but not calculated, are the savings in setup time and the reduction of expensive spindle down-time on the shop floor. This one project, once approved, will require the inspection of thousands more pieces and is just one of the hundreds of parts manufactured by Triangle that will now become a great deal more profitable."

Ken Gredick
Engineering Manager
Triangle Manufacturing Company

PDQ, Inc. saved \$12K with one new fixture.



"The housing parts were previously measured in batches of two, with measurement taking

approximately 40 minutes each. Using this new method, each part is measured in 11.25 minutes and the CMM can inspect eight parts in one setup. Using a conservative \$100 per hour quality control rate, this yields a savings of \$384 per batch. **Because this eight-part inspection job repeats 10 times per year, the annual savings for this three-part family is \$11,523."**

Kurt Stephens
Quality Assurance Manager
PDQ, Inc.

Read complete articles at:
www.inspectionarsenal.com/case-studies

Select Docking Rail and Plate Bundle size that suits your application, then add a work-holding kit. See page 4.

"We are very pleased with the reduction in set up times it offers us allowing quick changeovers between set up. The product is proving to be a great help. We now make our inspection fixtures to attach directly to the rail which allows us to automate more of our inspection programs as we are starting from known locations."

Andrew Walmsley
President at Volo Aero MRO
Springfield, MA

Loc-N-Load™ CMM Bundled Systems

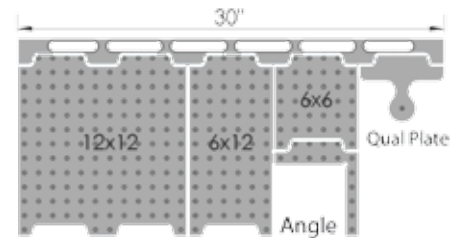
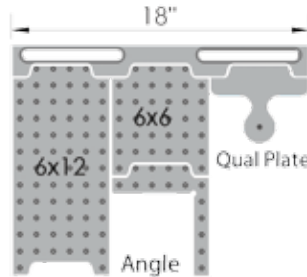
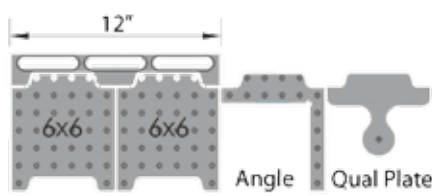
Loc-N-Load™ aluminum fixture plates interlock magnetically to remain firmly secured, yet release quickly and easily for the next job. The system installs effortlessly on all CMMs.

We've made selection easy with preconfigured CMM bundled fixture systems. Select the docking rail and plate bundle that suits your application.

Choose from 12", 18" or 30" rail and plate combinations.

Next, choose the size of work-holding kit that will suit your application—58, 70 or 146 pieces. They all contain selections of the **Inspection Arsenal™** trigger action, low-profile clamps, rails, stops, and hold-downs to enable quick and easy set-ups.

See page 10 for more detailed descriptions of work-holding kits.



Choose a work-holding kit for your bundled system: ■ Starter ■ Complete ■ The Works

Combine with additional plates and clamps as needed. **Additional work-holding components on page 12.**

58 pc. Starter Kit + (Docking Rail and Plate) Bundle							70 pc. Complete Kit + (Docking Rail and Plate) Bundle							146 pc. "Works" Kit + (Docking Rail and Plate) Bundle									
Part #	Bundle Description					Price	Rail Size	Part #	Bundle Description					Price	Rail Size	Part #	Bundle Description					Price	Rail Size
SYS05_DK12TR03	12" dock + Starter Kit					\$1,659	12" x 2"	SYS05_DK12TR02	12" dock + Complete Kit					\$1,699	12" x 2"	SYS05_DK12TR01	12" dock + The Works Kit					\$3,299	12" x 2"
SYS10_DK18TR03	18" dock + Starter Kit					\$1,769	18" x 2"	SYS10_DK18TR02	18" dock + Complete Kit					\$1,809	18" x 2"	SYS10_DK18TR01	18" dock + The Works Kit					\$3,409	18" x 2"
SYS20_DK30TR03	30" dock + Starter Kit					\$2,188	30" x 2"	SYS20_DK30TR02	30" dock + Complete Kit					\$2,228	30" x 2"	SYS20_DK30TR01	30" dock + The Works Kit					\$3,828	30" x 2"
	Rail Qty	6" x 6" Plate	6" x 12" Plate	12" x 12" Plate	Angle Plate	Qual Plate		Rail Qty	6" x 6" Plate	6" x 12" Plate	12" x 12" Plate	Angle Plate	Qual Plate		Rail Qty	6" x 6" Plate	6" x 12" Plate	12" x 12" Plate	Angle Plate	Qual Plate			
SYS05_DK12TR03	1	2			1	1	SYS05_DK12TR02	1	2			1	1	SYS05_DK12TR01	1	2			1	1			
SYS10_DK18TR03	1	1	1		1	1	SYS10_DK18TR02	1	1	1		1	1	SYS10_DK18TR01	1	1	1		1	1			
SYS20_DK30TR03	1	1	1	1	1	1	SYS20_DK30TR02	1	1	1	1	1	1	SYS20_DK30TR01	1	1	1	1	1	1			

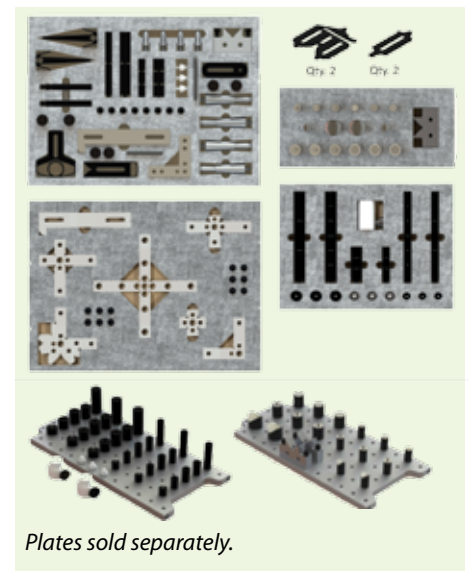
Starter Kit - 58 pcs.



Complete Kit - 70 pcs.



The Works Kit - 146 pcs.



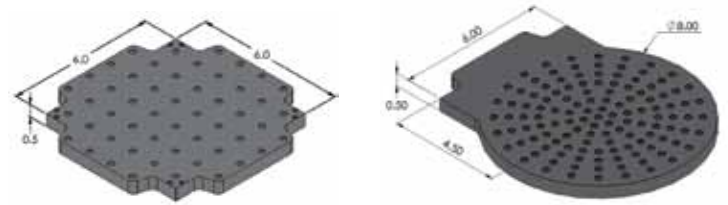
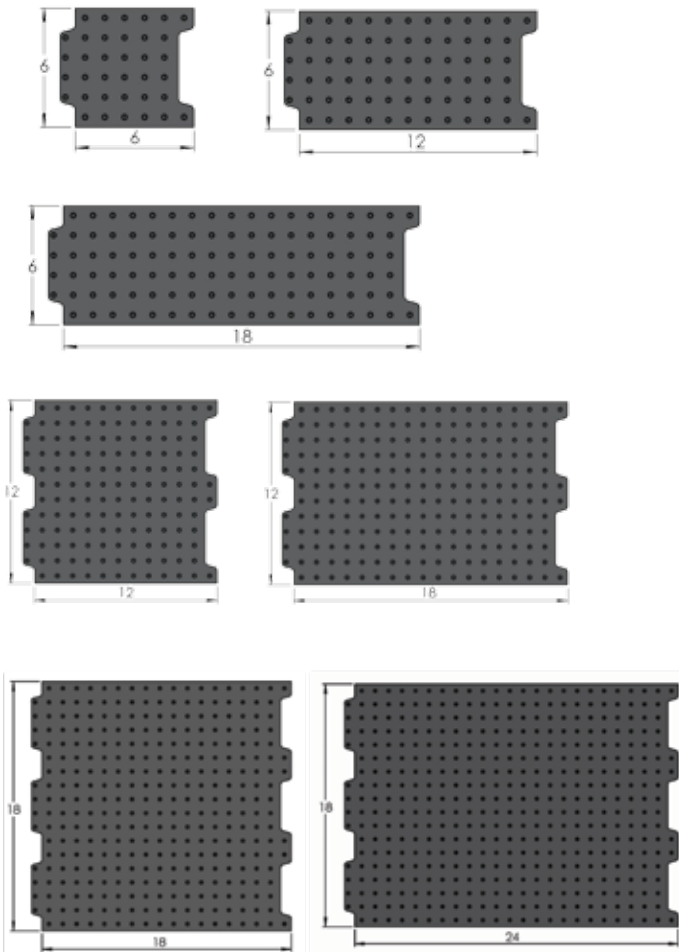
Plates sold separately.

Loc-N-Load™ Fixture Plates and Docking Rails

The main components of the **Loc-N-Load™** fixture plate system adapt easily to your equipment. Install the docking rail with bolts or store it completely out of the way using double-sided tape. Interlocking fixture plates quickly secure and release with the use of magnets, creating highly repeatable setups.

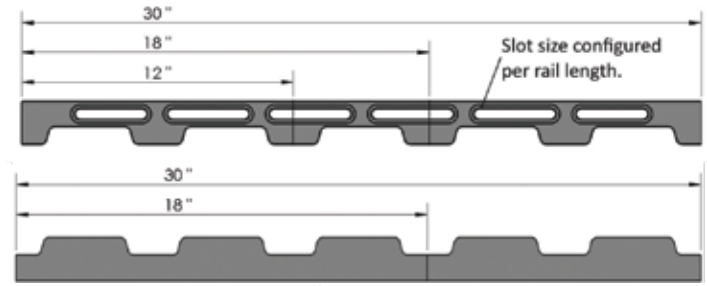
- Create multiple fast-swap setups for each CMM.
- Use ready-made interlocking plates to create low-cost fixtures and ship immediately.
- Inspect more parts per shift, even with less-skilled inspectors.
- Access your granite easily.
- Use as **dedicated tooling**—add to job box.
- A Unique Plate is available for the qualifying ball/bar that can be removed quickly when not in use.
- Add an Angle Plate as a stop when you need to inspect quickly on the granite.
- Affix an Adapter Plate to re-use existing fixtures.

Plates are 0.5" thick, 1/4-20 threads, 1" x 1" hole spacing.



Indexable Loc-N-Load™ Plate

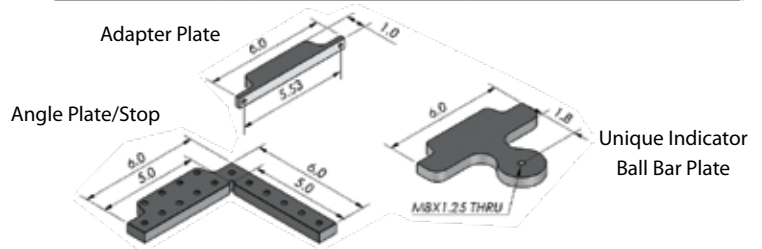
Radial Loc-N-Load™ Plate



Adapter Plate

Angle Plate/Stop

Unique Indicator Ball Bar Plate



Individual Docking Rails, Plates and Accessories

Part #	Description	Price
Docking rails		
LNL-DOCK-12	Docking rail 2" x 12"	\$280
LNL-DOCK-18	Docking rail 2" x 18"	\$320
LNL-DOCK-30	Docking rail 2" x 30"	\$420
End caps		
LNL-ENDCAP-18	Endcap 2" x 18"	\$250
LNL-ENDCAP-30	Endcap 2" x 30"	\$310
Fixture plates		
LNL-PLT-0606	LNL fixture plate 6" x 6"	\$180
LNL-PLT-0612	LNL fixture plate 6" x 12"	\$250
LNL-PLT-0618	LNL fixture plate 6" x 18"	\$320
LNL-PLT-1212	LNL fixture plate 12" x 12"	\$400
LNL-PLT-1218	LNL fixture plate 12" x 18"	\$550
LNL-PLT-1818	LNL fixture plate 18" x 18"	\$1,175
LNL-PLT-1824	LNL fixture plate 18" x 24"	\$1,685
Accessory plates		
LNL-ADPT-06	Adapter plate 6" x 1"	\$119
LNL-ANGL-0603	Angle plate/stop 6" x 6"	\$180
LNL-QUAL-PLT	Indicator ball plate 6" x 4"	\$180
LNL-0606-4X	Indexable plate 6" x 6"	\$385
LNL-RND-0608	Radial plate 6" x 8"	\$430

Pneumatic Systems

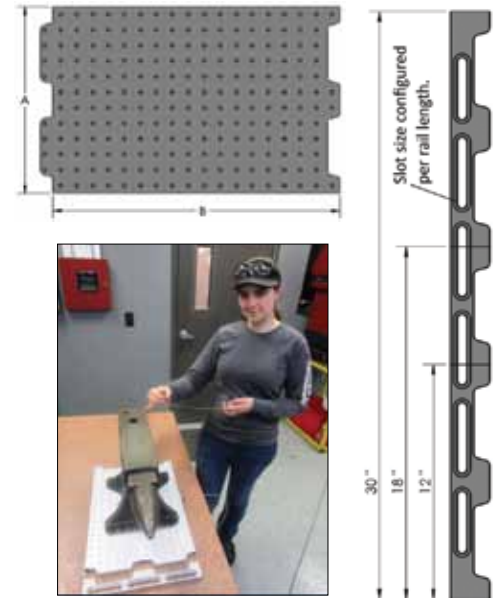
 Air-Glide™ Option for Loc-N-Load™ Plates

 Rapid-Loc™ Pneumatic Vise for CMM

Air-Glide™ Option for Loc-N-Load™ Plates

Loc-N-Load™ fixture plates can be ordered with air assist. Let your CMM and fixture plates do the heavy work. With a flip of a switch and one pinky finger, inspectors can easily glide the weight of an anvil across the granite!

An Air-Glide™ feature can be added to the standard 12" x 18" plate or larger. When the Air-Glide™ feature is added, a range of larger plates can be used. (See chart below.) The air assist plates are made to order and come complete with air line and switches. Simply connect to your CMM's compressed air hose and get started.



Even move an anvil with your pinky.

Air-Glide™ lets your CMM and fixture plates do the heavy work.

Air Glide™ plates include valves, tubing, and brackets.
Clear anodized aluminum, 0.5" thick, 1" x 1" spacing, 1/4-20 thread.

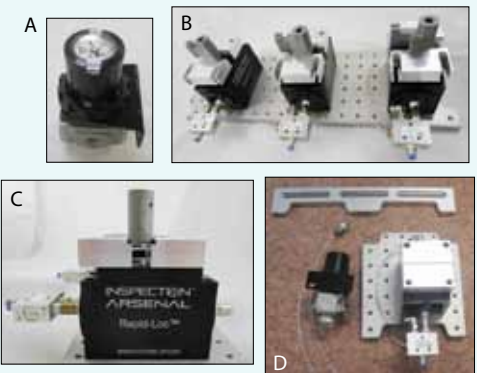
Part#	Description	A/B	Price
Docking Rails			
LNL-DOCK-12	LNL docking rail 2" x 12"		\$280
LNL-DOCK-18	LNL docking rail 2" x 18"		\$320
LNL-DOCK-30	LNL docking rail 2" x 30"		\$420
LNL Plates with Air Glide™ feature			
LNL-PLT-1218-AIR	LNL Plate - Air-Glide™	12" x 18"	\$1,019
LNL-PLT-1818-AIR	LNL Plate - Air-Glide™	18" x 18"	\$1,749
LNL-PLT-1824-AIR	LNL Plate - Air-Glide™	18" x 24"	\$2,195
LNL-PLT-2424-AIR	LNL Plate - Air-Glide™	24" x 24"	\$2,695
LNL-PLT-2436-AIR	LNL Plate - Air-Glide™	24" x 36"	\$2,995

Rapid-Loc™ Pneumatic Vise for CMM

The Rapid-Loc™ pneumatic vise for CMM inspection is designed to take advantage of the air at your CMM. Soft jaws for the Rapid-Loc™ vise can be customized to hold almost any part. Regulated air pressure can produce just enough clamping force to hold delicate parts or as much as 150 lbs. if needed.

Mount Rapid-Loc™ vises on Loc-N-Load™ quick-swap fixture plates for fast, accurate, and highly repeatable setups that help break inspection bottlenecks. Rapid-Loc™ can also be mounted on existing CMM grid plates.

Air regulator needed – sold separately.



Plates and rails sold separately.

**** Customer must have a quick connector to attach to the CMM's air hose.****

Photo Descriptions:

A: Air regulator with mounting bracket.

B: 2.5" Rapid-Loc™ multi-vise assembly mounted on Loc-N-Load™ plate. Configure with air regulator**, tubing and additional fittings.

C: Assembled 2.5" Rapid-Loc™ vise system.

D: Assembled 2.5" Rapid-Loc™ vise system, plus 12" LNL docking rail and 6" Plate; configure with regulator.

2.5" Rapid Loc™ Air Vise System

Part#	Description	Price
RL-VISE-SYS02	2.5" Rapid Loc™ Vise System - assembled Soft jaws, valve and fittings included. Request product sheet.	\$799.00
RL-Regulator	Air regulator with mounting bracket**	\$80.00
Consumable Accessories		
RL-Sjaw-02	Aluminum soft jaws (set of 2)	\$59.95
Additional Fittings (purchase for multi-vise setups)		
RL-MV-PACK	Multi-vise connector pack: Elbows, tees and 6' tubing	\$36.95
RL-Port-Plugs	Multi-vise connector pack: 1/8" tube to 1/8" NPT 4 port w/3 plugs	\$34.00

- Optical Comparator Bundled System
- Portable 3D Gage Arm Bundled System

Loc-N-Load™ Bundled Systems

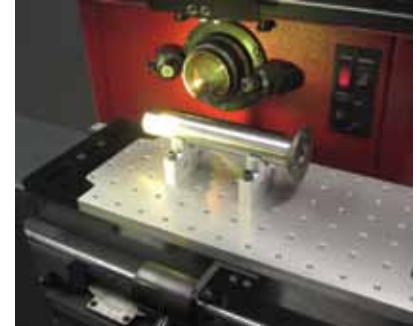
Optical Comparator Bundled System

The Optical comparator fixture plates PLUS 58-pc. clamp kit includes a 6" dock that's made to fit optical comparators. Speed up inspections and alternate setups between two 6" x 12" plates. Add fixture plates or mounting hardware as needed.

This smaller fixture system is perfect for your optical comparators' inspection applications. **Loc-N-Load™** fixture rails, plates, and work-holding clamps create affordable, repeatable, and durable fixtures that reduce setup time and process more parts per shift. Plates can be dedicated and kept with the job box for fast, repeatable setups.



Starter work-holding kit included with bundle



Loc-N-Load™ Optical Comparator Fixture System



Part #	Optical Comparator Options	Price
SYS60_OC6TR03	6" x 3" docking rail, two 6" x 12" fixture plates, plus 58-pc. Starter work-holding kit	\$1,379
OC-DOCK-06	6" optical comparator dock	\$205
NUT-DT-ASY	Mounting hardware (1/4-20) for tables with dovetail slot	\$29

Portable 3D Gage Arm Bundled System

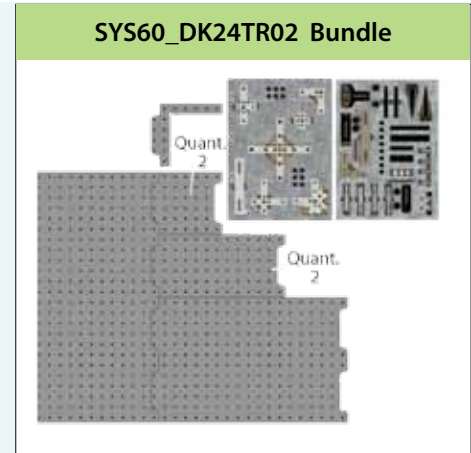
Further enhance the value of your portable 3D Gage Arm/CMMs with the lean, quick-swap **Loc-N-Load™** fixture system. Install the gage onto the Loc-N-Load™ base and start inspecting. Interlocking fixture plates quickly secure and release with the use of magnets, creating highly repeatable setups.

Get started with a preconfigured bundle and add plates as work requires.

You'll save money on shop floor inspection when you use Loc-N-Load™ quick-swap fixturing.



3D Gage Arm Fixture System

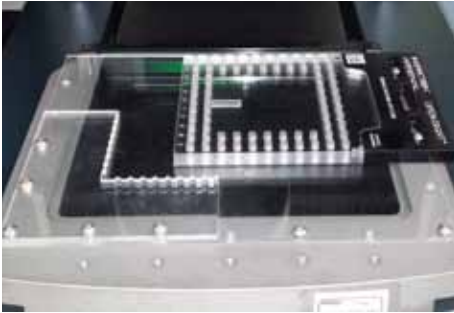


Includes Complete work-holding kit

Part #	3D Gage Arm Options	Price
SYS60_DK24TR02	24" x 12" dock, two 6" x 6" plates, two 6" x 12" plates, one 12" x 18" plate; angle plate; 70-pc. Complete kit	\$2,899
LNL-DOCK-2412	24" x 12" docking plate only	\$790
Additional Plates		
LNL-PLT-0606	LNL Fixture plate 6" x 6"	\$180
LNL-PLT-0612	LNL Fixture plate 6" x 12"	\$250
LNL-PLT-0618	LNL Fixture plate 6" x 18"	\$320
LNL-ADPT-06	Adapter plate 6" x 1"	\$119

See page 5 to add plates and accessories.

Open-Sight™ for Vision Bundled Systems



Corner block plus an Open-Sight™ docking rail and 6" x 6" plate.

We've made selection easy with preconfigured bundled systems. Bundles include docking rail, plate(s), and work-holding kit designed for vision set ups.

Open-Sight™ is the **Inspection Arsenal™** version that is especially designed for vision systems and it offers the same profit-enhancing benefits. Docking rails fit the stage of any optical machine. Black anodized aluminum rails and scratch-resistant polycarbonate plates are 0.5" thick with 1/4"-20 holes.

- Durable, scratch-resistant polycarbonate plates.
- Leveling feet available upon request.
- More open viewing area.
- Blank plates available to customize setup.
- Dedicate a plate to gauging for fast recalibration.
- Add multiple docking rails and plates for optimal coverage.
- Fixture design and custom plates available.

SYS01_DK06VIS01

6" x 6"

6" VISION Bundle + Vision Kit
\$967

SYS04_DK06VIS01

8" x 4"

6" VISION Bundle + Vision Kit
\$1,037

SYS02_DK12VIS01

12" x 8"

12" VISION Bundle + Vision Kit
\$1,297

SYS03_DK12VIS01

6" x 8" 6" x 8"

12" VISION Bundle + Vision Kit
\$1,397

SYS06_DK12VIS01

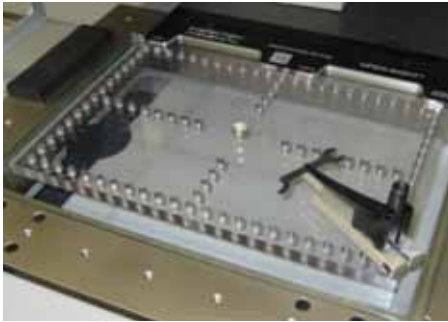
12" x 12"

12" VISION Bundle + Vision Kit
\$1,697

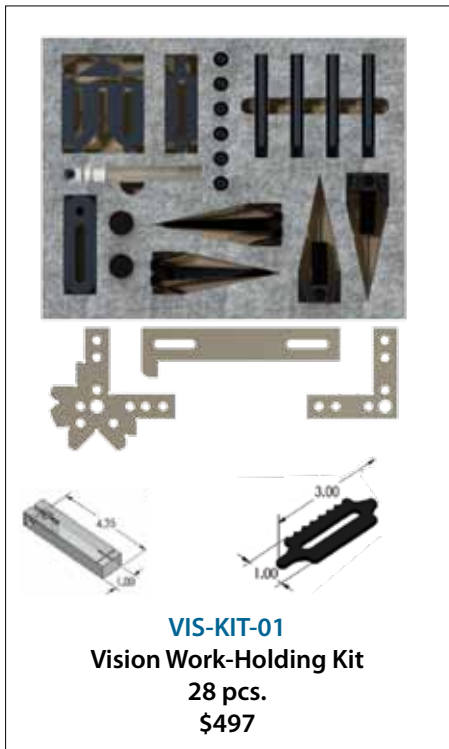
Open-Sight™ Bundles: Docking Rail and Plates PLUS Vision Kit		
Part#	Bundle Description	Price
SYS01_DK06VIS01	6" dock, 6" plate + VIS-KIT-01	\$967
SYS02_DK12VIS01	12" dock, 12" plate + VIS-KIT-01	\$1,297
SYS03_DK12VIS01	12" dock, (2) 6" x 8" plates + VIS-KIT-01	\$1,397
SYS04_DK06VIS01	6" dock, 8" x 4" plates + VIS-KIT-01	\$1,037
SYS06_DK12VIS01	12" dock, 12" x 12" plate + VIS-KIT-01	\$1,697
<i>Order additional Work-holding kits:</i>		
VIS-KIT-01	Open-Sight™ vision work-holding kit (28 pieces)	\$497

- Add docking rails on sides of stage to create more locations for inspection.
- For greater savings, order blank plates and add only holes you need.

Open-Sight™ Vision Fixture Plates



12" Open-Sight™ docking rail with a 12" x 8" fixture plate.



VIS-KIT-01

Vision Work-Holding Kit
28 pcs.
\$497

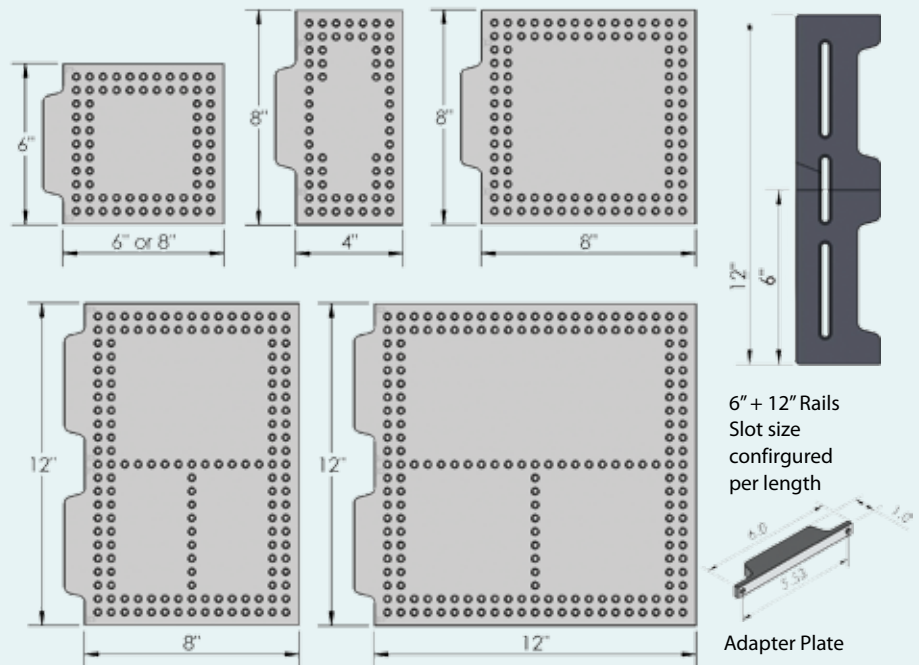
Vision Kit (28 pcs.)	
Hole adjuster	2
Adjustable platform	1
Sliding-Stop™ (1/4 - 20)	2
Spring-Loc™ (1/4 - 20)	2
Simple-Stop™ #01-OS, #06, #07	3
Trigger-Finger™	2
Trigger-Point™	2
Steel shaft/stand-off	4
Hex key, assorted screws	10
TOTAL	28

Open-Sight™ offers the same lean fixture concept for vision systems.

Docking rails fit the stage of any optical machine. The **Open-Sight™** fixture-plate system's lean, quick-swap features make it the clear choice for vision inspections.

Inspectors have the flexibility to join docking rails end-to-end for added length, or opposite each other to create more locations and provide greater stage coverage. You can dedicate low-cost plates for gauging to speed recalibration. Or dedicate plates for repeat parts to become part of a job kit, reducing setup time.

Open-Sight™ will speed up production, boosting customer satisfaction along with profits.



6" + 12" Rails
Slot size
configured
per length

Adapter Plate

Individual Aluminum Docking Rails and Polycarbonate Plate Options

Part #	Description	Price
OS-CORNER-66	Corner block 6" x 6"	\$195
OS-DOCK-06	Docking rail 6" x 3"	\$205
OS-DOCK-12	Docking rail 12" x 3"	\$295
OS-PLT-0606	Plate 6" x 6"	\$255
OS-PLT-0606-B	Plate blank 6" x 6"	\$195
OS-PLT-0608	Plate 6" x 8"	\$275
OS-PLT-0804	Plate 8" x 4"	\$325
OS-PLT-0808	Plate 8" x 8"	\$325
OS-PLT-1208	Plate 12" x 8"	\$495
OS-PLT-1212	Plate 12" x 12"	\$895
OS-PLT-1208 B	Plate blank 12" x 8"	\$395
Accessories:		
LNL-ADPT-06	Adapter plate 6" x 1"	\$119

Inspection Arsenal™ Work-Holding Kits

- 58 pc. Starter CMM Work-Holding Kit
- 70 pc. Complete CMM Work-Holding Kit
- 146 pc. The Works CMM Work-Holding

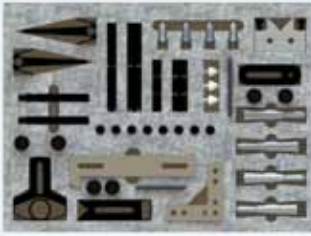
The **Inspection Arsenal's™** fast trigger action, low-profile, non-marring clamps enable inspectors to set up quickly and cleanly. **Its trigger-action makes it so easy to use**, parts can be put in place with one hand, eliminating the need for tools, messy tape, and glue.

Components are sold in several affordable kit combinations. Components include:

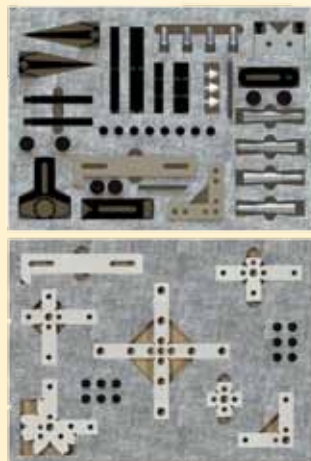
- **Trigger-Block™**, **Cross-Bow™**, and **D-Block™** spring clamps
- **Trigger-Finger™** hold-down
- **Silver-Bullet™** stand-offs
- **Simple-Stop™** low-profile rails and stops
- The new **Riser-Grip™**, which elevates a part to allow full access
- **V-Blocks**, which can be used horizontally or vertically
- Magnet, stand-off and rest pads
- Articulating stand-up sets

See Pages 12-13 for a complete listing of **Inspection Arsenal™** work-holding components.

Starter Kit - \$659, TR-KIT-03



Complete Kit - \$699, TR-KIT-02



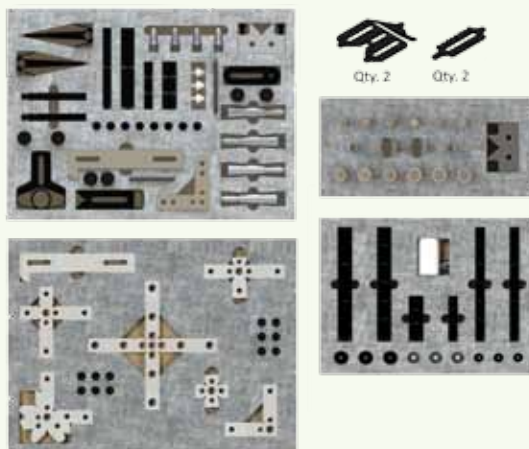
Starter Kit (58 pcs.)	Qty.
Cross-Bow™ clamp	2
D-Block™ stop	2
V-Block, set of 2	2
Silver-Bullet™, 4 ea.: 1", 3"	8
Steel shaft/stand-off, stackable	2
Trigger-Finger™	2
Hole adjuster	2
Simple-Stop™, 2 ea. #01, #07	4
Stand-offs, assorted sizes	13
Hex keys, plus assorted screws	21
Total	58

Complete Kit (70 pcs.)	Qty.
Cross-Bow™ clamp	4
D-Block™ stop	4
Trigger-Block™ clamp	2
Silver-Bullet™, 4 sets of 3	12
V-Block, set of 2	2
Steel shaft/stand-off, stackable	4
Trigger-Finger™	2
Hole adjuster	2
Simple-Stop™, set of 7	7
Hex keys, assorted screws, wrench	31
Total	70

The Works Kit - \$2229, TR-KIT-01

The Works kit combines components found in **Inspection Arsenal™** sets, including clamps, rails, stand-offs, and magnetic risers.

This kit contains everything you need to create multiple fixtures across several CMMs.



Plates sold separately.

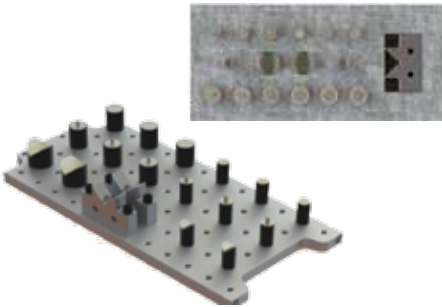
The Works Kit (146 pcs)	Qty.
Spring Clamps	
Cross-Bow™ clamp	4
D-Block™ spring stop	4
Trigger-Block™ spring clamp	2
Trigger-Finger™ hold downs	2
Stackable steel shafts	4
Spring-Loc™ low profile clamp	2
Risers and Stand-Offs	
Silver-Bullet™, 4 sets of 3	12
V-Block, set of 2	2
Stops and Rails	
Simple-Stop™ rails, set of 7	7
Hole adjuster for Trigger-Finger™	2
Sliding-Stop™ low profile stop	2
Hex keys, plus assorted screws	43
Stand-Off and Riser Sets	
Stand-Off and Rest Pad Set	37
Magnetic Riser Component Set	23
Total	146
<i>Plus 5S foam drawer inserts</i>	

Magnetic Riser Set

Stand-Off and Rest Pad Set

Enhanced Stand-Off Set

Magnetic Riser Set - \$989, MAGN-SET-30 - 23 Pcs.



Magnetic clamping allows for unlimited probe access and MORE holding options for steel parts during CMM inspection. Combine with stand-offs and other work-holding kits for fixture building. (1/4-20 threads)

Magnetic Riser Set, MAGN-SET-30	Qty.
1/2" dia. x 1" ht. Magnetic Rest Pad	3
3/4" dia. x 1" ht. Magnetic Rest Pad	3
1/2" dia. x 1" ht. Magnetic Pin Rest	3
3/4" dia. x 1" ht. Magnetic Pin Rest	3
1/2" dia. x 1" ht. Magnetic V stand-off	2
1" dia. x 1" Magnetic V stand-off	2
1" H Magnetic V-Block Set (set includes 1 hex key and 4 bolts)	2
Total	23

Plates sold separately - see page 5.

Stand-Off & Rest Pad Set - \$525, STOF-SET-30- 37 Pcs.

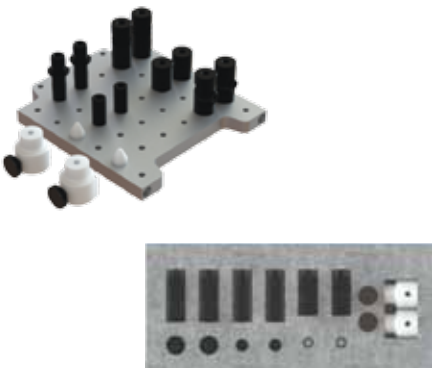


High quality stand-offs and rest pads add flexibility to CMM fixture design. Made of plastic and steel with 1/4-20 threads. Combine with Starter, Complete and The Works kits.

Stand-Off & Rest Pad Set, STOF SET-30	Qty.
Plastic height adjuster	2
Plastic cone	3
1/2" dia. x 3/4" ht. stand-off	3
1/2" dia. x 1" ht. stand-off	6
1/2" dia. x 2" ht. stand-off	3
Thumb screws (1/4-20)	2
1/2" dia. x 1/2" ht. pin rest	3
3/4" dia. x 1/2" ht. pin rest	3
3/4" dia. x 3/4" ht. stand-off	3
3/4" dia. x 1" ht. stand-off	6
3/4" dia. x 2" ht. stand-off	3
Total	37

Plates sold separately - see page 5.

Enhanced Stand-Off Set - \$749, STOF-SET-30 - 16 Pcs.



Enhance other work holding with height adjusters and stand-offs that can be angled in any direction. This set adds flexibility to inspection setups. Plastic and steel with 1/4-20 threads. Combine with other kits.

Enhanced Stand-Off Set, STOF-SET-30	Qty.
1/2" dia. adjustable stand-off	2
3/4" dia. adjustable stand-off	2
3/4" dia. x 1" ht. adjustable knuckle	2
Plastic ht. adjuster	2
1/2" thumb screws	2
Plastic cone	2
1/2" dia. x 1" ht. stand-off	2
3/4" dia. x 1" ht. stand-off	2
Total	16

Plates sold separately - see page 5.

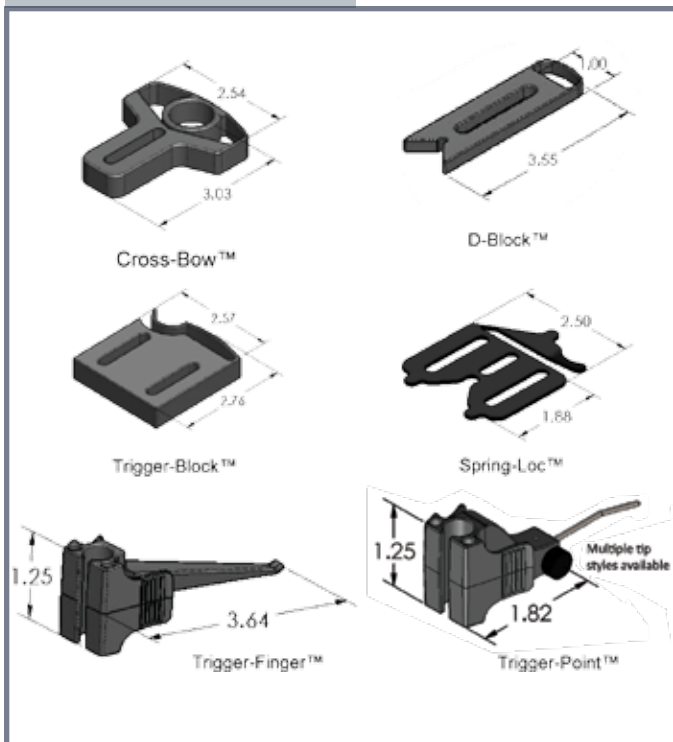
Work-Holding Sets for CMM and Vision

Inspection Arsenal™ provides an arsenal of tools to fight inefficiency and waste. Set up quickly and cleanly with **Trigger-Block™**, **Cross-Bow™** and **D-Block™** non-marring spring clamps, **Trigger-Finger™** hold-down,

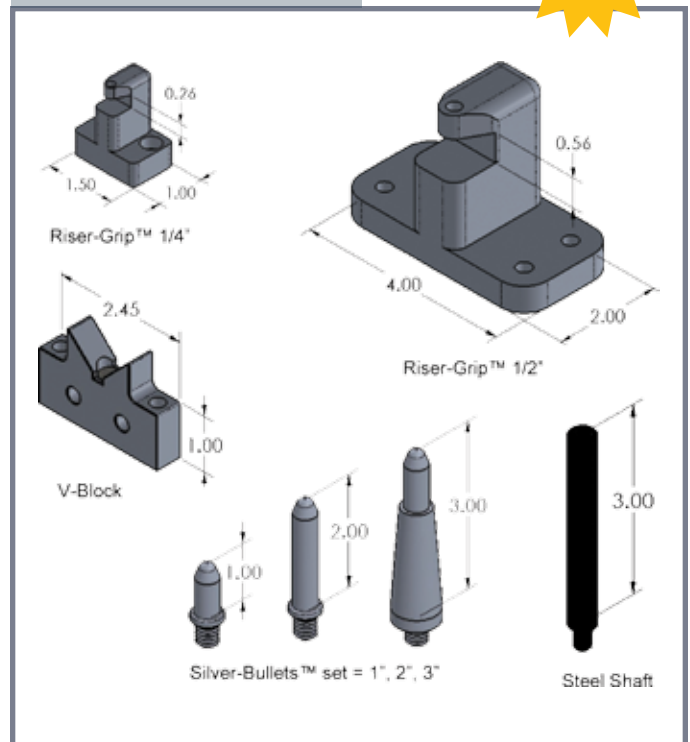
Silver-Bullet™ stand-offs, and **Simple-Stop™** low-profile rails and stops. Also available is the new **Riser-Grip™**, which elevates parts for full access, and V-Blocks that can be used horizontally or vertically.

- Fast trigger-action; non-marring, low-profile.
- No tools, or messy tape and glue.
- Stackable, versatile components.
- Fixture-up affordably—add sets or plates as needed.
- Create multi-part fixtures economically.
- Many components sold in sets and kits for your convenience.

Spring Clamps



Risers & Stand-Offs



Spring Clamps (1/4-20)

Part#	Description	Qty.	Price
CRBW-30	Cross-Bow™ spring clamp	8	\$59.00
D-BLK-30	D-Block™ spring-stop	8	\$56.00
TRBL-30	Trigger-Block™ spring clamp	6	\$56.00
SPR-LOC	Spring-Loc™ low-profile clamp	2	\$79.95
TRFN-20	Trigger-Finger™ and steel shaft	4	\$99.95
TRFN-10	Trigger-Finger™ sold separately	1	\$10.95
TRPT-20	Trigger-Point™, 3 tips, steel shaft	4	\$199.00

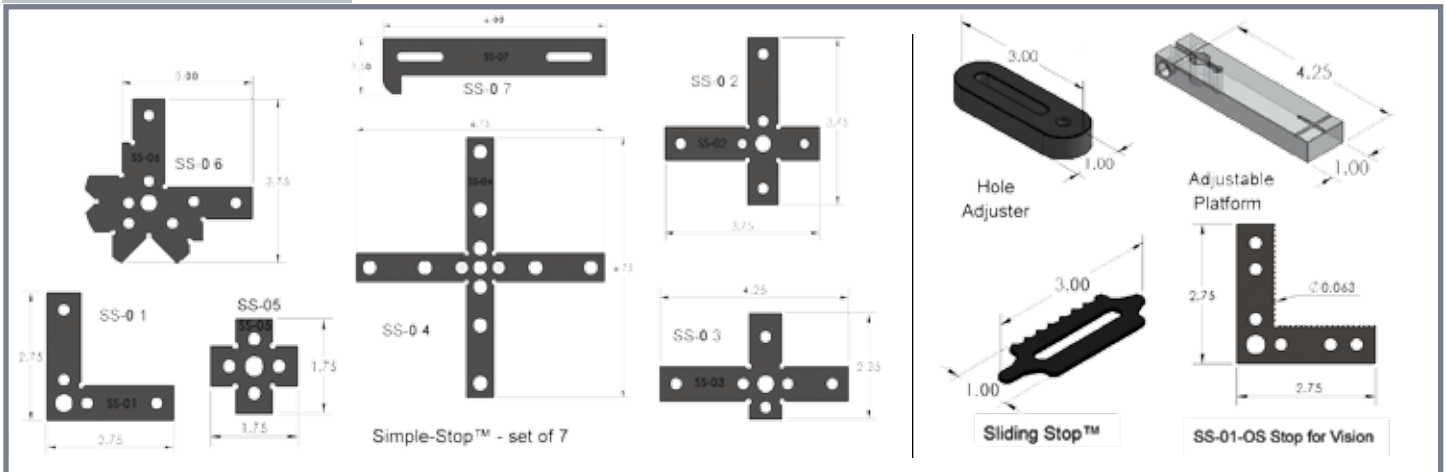
Risers and Stand-Offs

Part#	Description	Qty.	Price
RG-250	Riser-Grip™ 1/4" opening riser	1	\$89.95
RG-500	Riser-Grip™ 1/2" opening riser	1	\$159.95
VB-001	V-Block 90° included angle	2	\$99.95
SIBU-SO-100	Silver-Bullet™ stand off (set = 1", 2", 3")	4	\$199.00
TRFN-SHAFT	3" steel shaft, stand-off		\$16.95

Creating a LEAN QC department need not be expensive!

Get started with a docking rail, a plate and some work-holding, and add components as work requires.

Stops & Rails

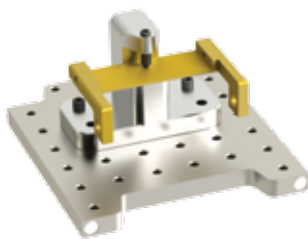


Stops and Rails

Part#	Description	Qty.	Price
SIST-RS-100	Simple-Stop™ brushed stainless steel. Set of 7, SS-01, SS-02, SS-03, SS-04, SS-05, SS-06, SS-07	7	\$199.00
SS-01-OS	Simple-Stop™ for vision, serrated edge	1	\$69.95
HA-1420	Hole adjuster for Trigger-Finger™	2	\$49.95
ADJ-PLT-10	Adjustable platform for TRFN, TRPT	1	\$49.95
SLI-STOP	Sliding Stop™ low-profile stop	2	\$39.95



Trigger-Block™ multi-part fixture.



Riser-Grip™ full access clamp.

According to lean practitioners, **Inspection Arsenal™** provides an opportunity to make significant quality improvements while uncovering hidden profits.

*"The **Inspection Arsenal™** product line eliminates many non-value added setup steps through their CMM and vision fixture plates and work holding. By 'fixturing-up' and simplifying the inspection task for repeatable and documented steps, a standard work opportunity has been created to speed inspection and increase the number of parts inspected, even with a less-skilled inspector. Implementation will reduce the downtime of expensive machines on the shop floor – higher machine utilization (e.g., running spindles, cutting chips) increases profits."*

Dwighd Delgado
LEAN Six Sigma Instructor and Practitioner, CQE



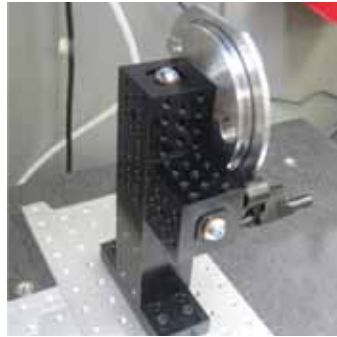
Modular Tower System for CMM Inspections

NEW! Our new modular fixture tower expands the CMM work area, enabling inspectors to work more efficiently – and more effectively.

The first in our line of towers is a 2" interlocking system that can be built both vertically and horizontally. Cubes added horizontally can be turned to any angle and locked securely.

- Building-block design lets you determine the height you want.
- Staggered hole pattern adds flexibility for work holding.
- Adds even more versatility to **Inspection Arsenal™** work-holding and LNL fixture plates.
- Build vertically and horizontally – it's secure at any angle.
- Works with all existing 1/4-20 work-holding plates.
- Use more available space of the CMM work envelope.
- Won't interfere with the probe's travel.

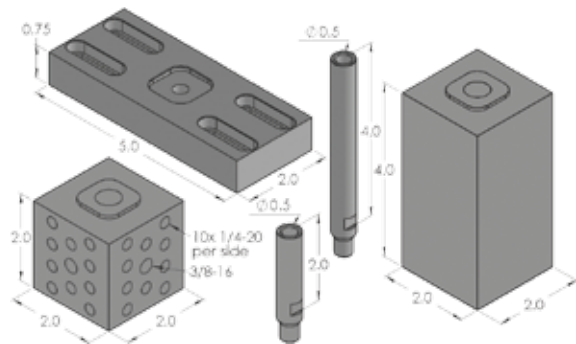
Inspectors are no longer limited to a few towers of fixed sizes. Maximize the work area of your CMM without interfering with the probe's travel.



Modular tower built vertically and horizontally.

MT2-SYS-01 Modular Tower System			
System includes:			\$749
MT-BASE-2.0	Mounting base	1	
MT-CUBE-2.0	2" x 2" cubes	4	
MT-SPACER-4.0	4" blank spacer block	1	
MT-POST-2	1/2" diameter, 2" steel post	4	
MT-POST-4	1/2" diameter, 4" steel post	1	

Purchase additional parts to add to your system as needed.



Preconfigured system includes several interchangeable components:

- Highly accurate components designed with male/female locating features.
- Mounting base, 2 x 2" cubes, 4" blank spacer block.
- 2" and 4" posts that connect the system and provide pivot points.
- Each cube has 10 (1/4-20) holes per side for flexibility in holding positions and a 3/8" x 16" threaded centered hole that allows cubes to be added horizontally.
- Made from aluminum that is black anodized for durability.
- Choose the preconfigured system or order pieces individually.

Modular Tower Components		
Part #	Description	Price
Steel Posts, Cubes, Spacers, Base		
MT-BASE-2.0	Mounting base for 2" tower system, black anodized aluminum	\$142.50
MT-SPACER-4.0	2" x 4" high interlocking blank spacer	\$53.00
MT-CUBE-2.0	2" black anodized aluminum cube, 1/4-20 threaded holes with a 3/8"-16" threaded hole to accept a 1/2" post for rotating blocks. Male/female connectors to create stability.	\$123.00
MT-POST-2	1/2" diameter, 2" steel post, black oxide coated	\$28.00
MT-POST-4	1/2" diameter, 4" steel post, black oxide coated	\$38.00

Watch for additions to the system, along with the metric version.

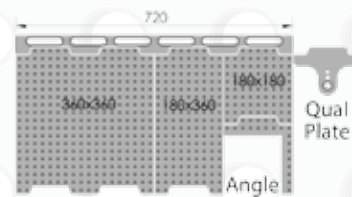
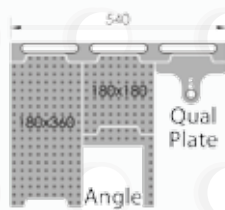
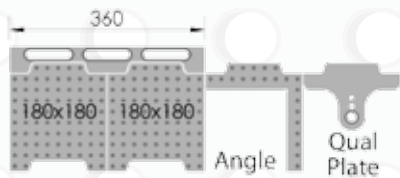
Inquire about custom-sized systems.

UNIVERSAL FIXTURING METRIC CONVERSION SECTION

Loc-N-Load™ for CMMs and Bundled Systems

Inspection Arsenal™ modular, magnetically interlocking, quick-swap fixturing is also available in Metric. The metric version offers larger plate sizes with a tighter M6 thread hole pattern. Plates are the same thickness of clear anodized aluminum as the standard version.

Docking rails are available in 3 sizes; 360mm, 540 and 720mm. Plates are available in 4 sizes. (see page 16 for details) The same variety of workholding components are available in M6 thread for flexibility to create any setup or multi-part fixtures.

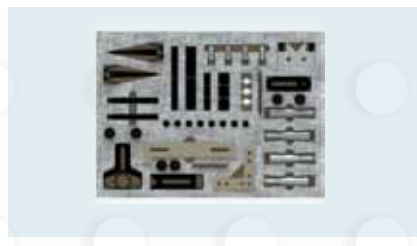


- Starter Kit 58 pcs.
- Complete Kit 70 pcs.
- The Works Kit 139 pcs.

58 pc. Starter Kit - Docking Rail and Plate Bundle					70 pc. Complete Kit - Docking Rail and Plate Bundle					139 pc. Works Kit - Docking Rail and Plate Bundle				
Part #	Bundle Description	Price	Rail Size mm		Part #	Bundle Description	Price	Rail Size mm		Part #	Bundle Description	Price	Rail Size mm	
SYSM1_DK360TR03	360mm dock + Starter	\$2,139	360mm		SYSM1_DK360TR02	360mm dock + Complete	\$2,179	360mm		SYSM1_DK360TR01	360mm dock + The Works	\$3,525	360mm	
SYSM1_DK540TR03	540mm dock + Starter	\$2,369	540mm		SYSM1_DK540TR02	540mm dock + Complete	\$2,409	540mm		SYSM1_DK540TR01	540mm dock + The Works	\$3,755	540mm	
SYSM1_DK720TR03	720mm dock + Starter	\$3,269	720mm		SYSM1_DK720TR02	720mm dock + Complete	\$3,309	720mm		SYSM1_DK720TR01	720mm dock + The Works	\$4,655	720mm	

Plate and rail dimensions: 12.7 mm thick, 20 mm x 20 mm hole pattern

Starter Kit - 58 pcs.

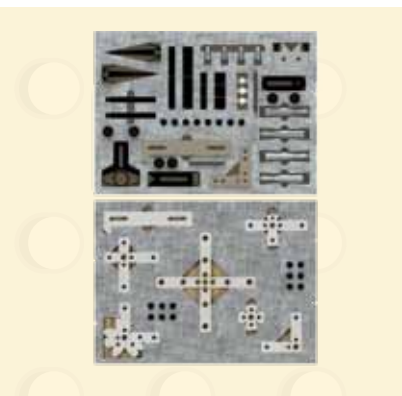


Select the size docking rail and plate bundle system - 360, 540, or 720.

Choose a clamp kit for your application:

- Starter
- Complete
- The Works

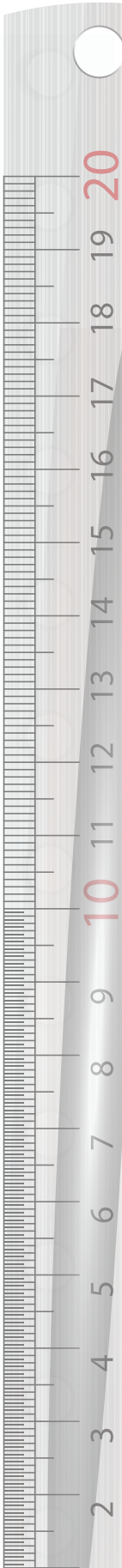
Complete Kit - 70 pcs.



The Works Kit - 139 pcs.

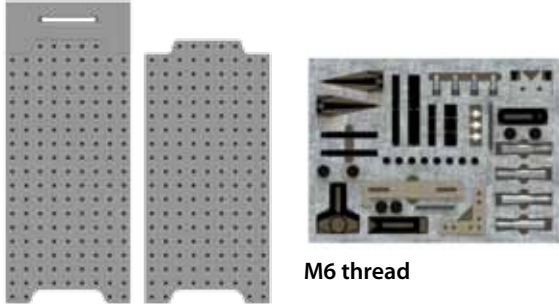


Plates sold separately.



Metric Conversion Section - CMM Bundled Systems and Loc-N-Load™ Fixture Plates

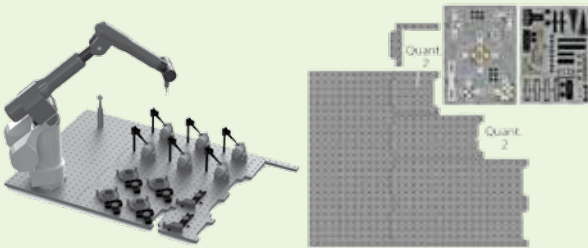
Optical Comparator Bundled Systems [See complete description on page 7.](#)



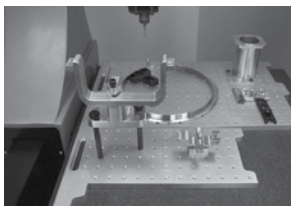
M6 thread

Part #	Bundle Description: Optical Comparator	Price
SYS60M_OC180TR03	180 mm Docking Rail, two 180 mm x 360 mm LNL fixture plates plus, 51pc. work-holding kit	\$1,740
OC-DOCK-M180	Optical comparator dock: 180 mm	\$185
NUT-DT-ASY-M	Mounting hardware (M6) for tables with dovetail slot	\$29

Portable 3D Gage Arm Bundled Systems [See complete description on page 7.](#)

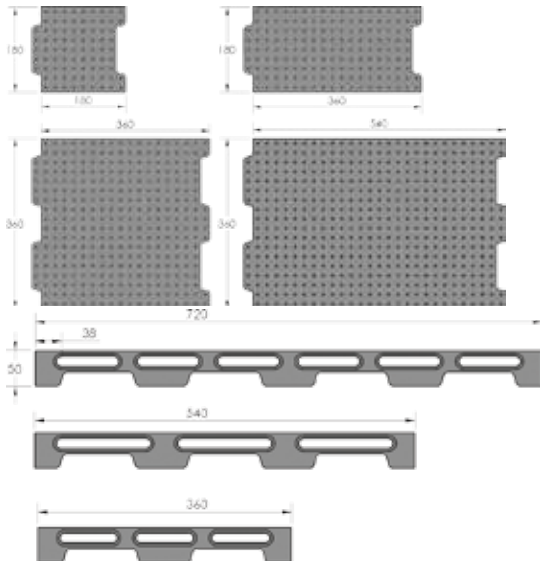
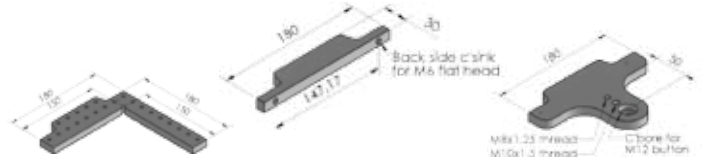


Part #	3D Gage Arm Fixture Options	Price
SYS60M-DK540TR02	540 mm dock, 180 mm x 180 mm, 180 mm x 360 mm; 360 mm x 360 mm, plate; 70 pc. work-holding kit, M6 threads	\$3,690
LNL-DOCK-M540300	LNL 540 mm x 300 mm docking plate only	\$1,190



Loc-N-Load™ Fixture Plates

Plate and rail dimensions:
12.7 mm thick, 20 mm x 20 mm hole pattern, M6 thread



CMM Docking Rails and Fixture Plates (M6)		
Part #	Description	Price
Docking Rails, End Caps, Plates		
LNL-DOCK-M360	Docking rail 360 mm	\$340
LNL-DOCK-M540	Docking rail 540 mm	\$380
LNL-DOCK-M720	Docking rail 720 mm	\$490
LNL-M180180	LNL plate 180 mm x 180 mm	\$290
LNL-M180360	LNL plate 180 mm x 360 mm	\$480
LNL-M360360	LNL plate 360 mm x 360 mm	\$790
LNL-M360540	LNL plate 360 mm x 540 mm	\$1,140
Accessories for LNL Fixture Plates		
LNL-ADPT-M6	Adapter plate 180 mm x 180 mm	\$130
LNL-ANGL-M6	Angle plate/stop 180 mm x 180 mm	\$260
LNL-QUAL-PLT-M	Indicator ball plate 180 mm	\$270

System accessories: A qualifying ball/bar plate can be removed quickly when not in use. An angle plate provides a stop when you need to inspect quickly on the granite. An adapter plate enables you to re-use existing fixtures.

The **Inspection Arsenal's™** fast trigger action, low-profile, non-marring clamps enable inspectors to set up quickly and cleanly. **Its trigger-action makes it so easy to use**, parts can be put in place with one hand, eliminating the need for tools, messy tape and glue.

Components are sold in several affordable kit combinations. Components include:

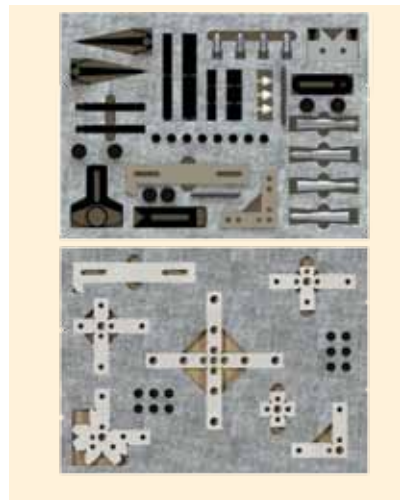
- **Trigger-Block™, Cross-Bow™, and D-Block™** spring clamps
- **Trigger-Finger™** hold-down
- **Silver-Bullet™** stand-offs
- **Simple-Stop™** low-profile rails and stops
- The new **Riser-Grip™**, which elevates a part to allow full access
- **V-Blocks**, which can be used horizontally or vertically
- Articulating stand-up sets

Select the size docking rail and plate bundle system desired (360, 540, or 720mm). Choose a clamp kit for your application (Starter, Complete, or The Works). Combine with additional plates and clamps as needed.

Starter Kit - \$689, TR-KIT-03M



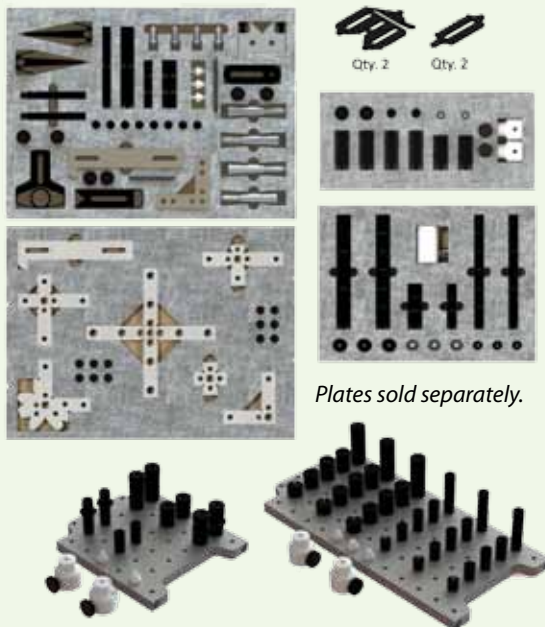
Complete Kit - \$729, TR-KIT-02M



Starter Kit (58 pcs.)	Qty.
Cross-Bow™ clamp	2
D-Block™ stop	2
V-Block, set of 2	2
Silver-Bullet™, 4 ea.: 1", 3"	8
Steel shaft/stand-off, stackable	2
Trigger-Finger™	2
Hole adjuster	2
Simple-Stop™, 2 ea. #01, #07	4
Stand-offs, assorted sizes	13
Hex keys, plus assorted screws	21
Total	58

Complete Kit (70 pcs.)	Qty.
Cross-Bow™ clamp	4
D-Block™ stop	4
Trigger-Block™ clamp	2
Silver-Bullet™, 4 sets of 3	12
V-Block, set of 2	2
Steel shaft/stand-off, stackable	4
Trigger-Finger™	2
Hole adjuster	2
Simple-Stop™, set of 7	7
Hex keys, assorted screws, wrench	31
Total	70

The Works Kit (M6) - \$1,999, TR-KIT-01M



The Works Kit (139 pcs.)	Qty.
Spring Clamps	
Cross-Bow™ clamp	4
D-Block™ spring stop	4
Trigger-Block™ spring clamp	2
Trigger-Finger™ hold downs	2
Stackable steel shafts	4
Spring-Loc™ low profile clamp	2
Risers and Stand-Offs	
Silver-Bullet™, 4 sets of 3	12
V-Block, set of 2	2
Stops and Rails	
Simple-Stop™ rails, set of 7	7
Hole adjuster for Trigger-Finger™	2
Sliding-Stop™ low profile stop	2
Hex keys, plus assorted screws	43
Stand-Off and Riser Sets	
Stand-Off and rest pad set	37
Enhanced stand-off set	16
Total	139
<i>Plus 55 foam drawer inserts</i>	

Metric Conversion Section - Stand-Off and Riser Sets - Rapid-Loc™ Air Vise

Stand-Off and Riser Sets

See complete description on page 11.



Stand-off and rest pad set



Enhanced stand-off set

Stand-Off & Rest Pad Set—\$545 STOF-SET-30M

Description	Qty.
Plastic height adjuster	2
Plastic cone	3
1/2" dia. x 20 mm ht. stand-off	3
1/2" dia. x 25 mm ht. stand-off	6
1/2" dia. x 50 mm ht. stand-off	3
Thumb screws (M6)	2
1/2" dia. x 12.5 mm ht. pin rest	3
3/4" dia. x 12.5 mm ht. pin rest	3
3/4" dia. x 20 mm ht. stand-off	3
3/4" dia. x 25 mm ht. stand-off	6
3/4" dia. x 50 mm ht. stand-off	3
Total	37

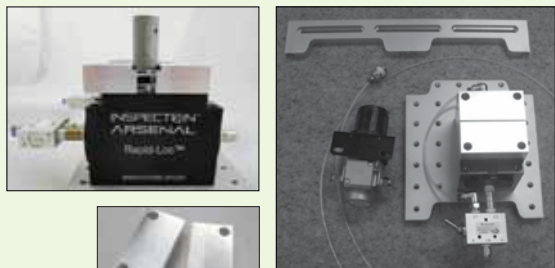
Enhanced Stand-Off Set—\$789 STOFE-SET-30M

Description	Qty.
1/2" dia. adjustable stand-off	2
3/4" dia. adjustable stand-off	2
3/4" dia. adjustable knuckle	
Plastic Ht. adjuster	2
12 mm Thumb screws	2
Plastic cone	2
1/2" dia. x 25 mm Ht. stand-off	2
3/4" dia. x 25 mm Ht. stand-off	2
Total	16

High quality stand-offs and rest pads add flexibility to CMM fixture design. Made of plastic and steel with M6 threads. Combine with Starter, Complete, and The Works kits.

Rapid-Loc™ Pneumatic Vise for CMM

See complete description on page 6.



Plates and rails sold separately.

63.5mm Rapid Loc™ Air Vise System		
Part#	Description	Price
RL-VISE-SYS02M	63.5 mm Rapid Loc™ vise system - fully assembled - complete with soft jaws, fittings, nylon tubing and valve.	\$799.00
RL-RegulatorM	Air regulator with mounting bracket**	\$90.00
<i>Add extra soft jaws - Inspect multiple parts with one vise.</i>		
RL-Sjaw-02M	Two aluminum soft jaws	\$69.00
<i>Multi-vise connector packs - Everything you need to create a multi-vise fixture! Order 1 pack per vise for two or more vise setups.</i>		
RL-MV-PackM	Multi-vise connector pack: elbows, tees, 6' tubing	\$49.95
RL-Port-PlugsM	Multi-vise connector pack: 1/8 tube to 1/8 NPT 4 port w/3 plugs	\$49.95

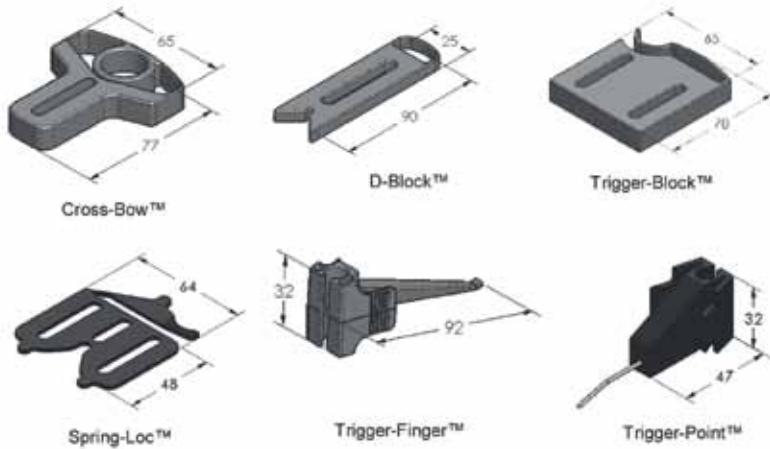
Product Notes:

Air regulator needed – sold separately.

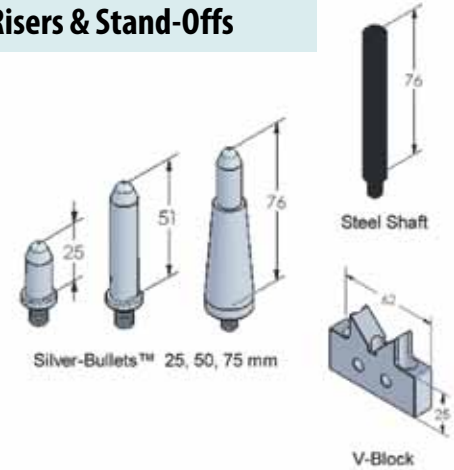
Metric adapter plate is added to standard vise.

Metric Conversion Section - Work-Holding Sets for CMM and Vision

Spring Clamps



Risers & Stand-Offs



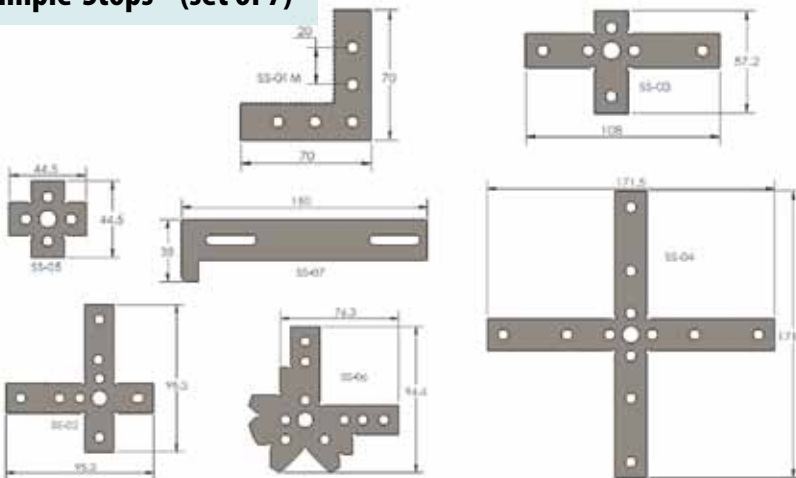
Spring Clamps - screws are M6

Part# (metric)	Description	Qty.	Price
CRBW-30M	Cross-Bow™ spring clamp (M6)	8	\$69.00
D-BLK-30M	D-Block™ spring-stop (M6)	8	\$69.00
TRBL-30M	Trigger-Block™ spring clamp	6	\$69.00
SPR-LOCM	Spring-Loc™ low-profile clamp	2	\$89.00
TRFN-20M	Trigger-Finger™ and steel shaft	4	\$105.00
TRFN-10M	Trigger-Finger™ sold separately	1	\$10.95
TRPT-20	Trigger-Point™ and steel shaft	4	\$199.00

Risers and Stand-Offs

Part# (metric)	Description	Qty.	Price
VB-001M	V Block 90° included angle	2	\$159
SIBU-SO-100M	Silver Bullet™ Stand off (metric) (set = 4 ea. 25, 50, 75mm)	12	\$299
TRFN-SHAFTM	Steel shaft / stand off - (metric)	4	\$69

Simple-Stops™ (set of 7)



Stops & Rails



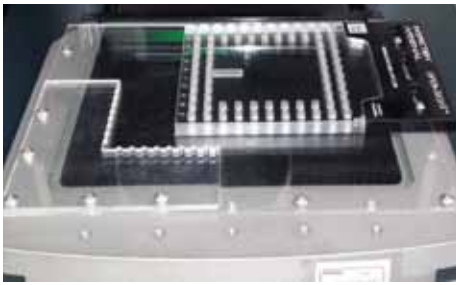
Simple-Stops™ Stops and Rails

Part# (metric)	Description	Qty.	Price
SIS-RS-100M	Simple-Stop™ brushed stainless steel Set of 7, #SS-01-OSM, SS-02SM, SS-03SM, SS-04SM, SS-05SM, SS-06SM, SS-07SM	7	\$239

Stops and Rails

Part# (metric)	Description	Qty.	Price
ADJ-PLT-10M	Adjustable Platform for TRFN, TRPT	1	\$49
HA-M6	Hole Adjuster for Trigger-Finger™	2	\$69
SLI-STOP-M	Sliding Stop™ Low-profile Stop	2	\$49
SS-01-OSM	Simple Stop™ for Vision, serrated edge	1	\$69

Metric Conversion Section - Open-Sight™ Vision Bundled Systems



Our **Open-Sight™** system is transparent, so inspectors can see their work clearly, and inspect with greater speed and accuracy.

An Open-Sight™ lean fixture with docking rails that fit the stage of any optical machine is available for vision systems. The black, anodized aluminum rails and clear, polycarbonate plates are 12.7 mm thick, with 10 mm spacing and M6 holes.

- Durable, scratch-resistant polycarbonate plates.
- Leveling feet available upon request.
- More open viewing area. **Order blank plates to customize.**
- Dedicate a plate to gauging for fast recalibration.

SYSM4_DK100V01

100 mm Vision Bundle
includes Vision Kit
\$1,022

SYSM4_DKM360V01

180 mm Vision Bundle
includes Vision Kit
\$1,889

SYSM4_DK200V01

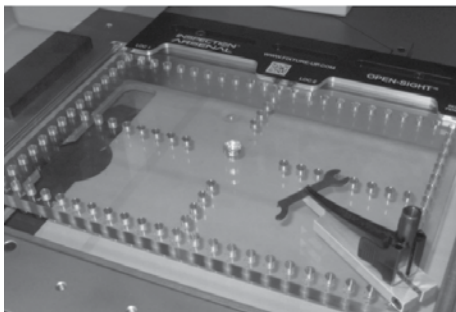
200 mm Vision Bundle
includes Vision Kit
\$1,299

Open-Sight™ Vision Bundles: Choose 100 mm or 200 mm Docking Rail and Plate PLUS Vision Kit			
Part#	Bundle Description	Rail	Price
SYSM4_DK100V01	100 mm dock and plate + VIS-KIT 01M	100 mm x 60 mm	\$1,022
SYSM4_DKM360V01	180 mm dock + (2) 180 x 240 mm plates + VIS-KIT 01M	180 mm x 60 mm	\$1,889
SYSM4_DK200V01	200 mm dock and plate + VIS-KIT 01M	200 mm x 60 mm	\$1,299
VIS-Kit-01M	Vision Work-Holding kit (28 pcs.)		\$597

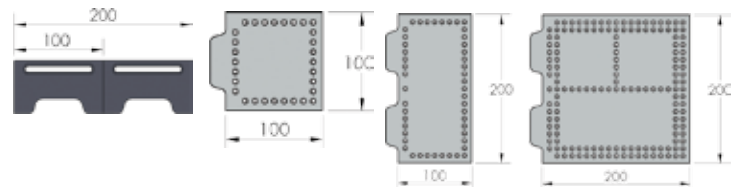
4mm washers: \$49.50 per set: 2 washers, 2 screws



Metric Conversion Section - Open-Sight™ Vision Fixture Plates



See complete description on page 9.



Open-Sight™ Aluminum Docking Rails and Polycarbonate Plates			
Part #	Description (mm)	Size (mm)	Price
OS-DOCK-M100	Docking rail 100	100 mm x 60 mm	\$185
OS-DOCK-M200	Docking rail 200	200 mm x 60 mm	\$255
OS-DOCK-M360	Docking rail 360	360 mm x 75 mm	\$439
OS-M100100	Plate 100 x 100	100 mm x 100 mm	\$250
OS-M200100	Plate 200 x 100	200 mm x 100 mm	\$320
OS-M200200	Plate 200 x 200	200 mm x 200 mm	\$460
OS-M180240	Plate 180 x 240	180 mm x 240 mm	\$429
OS-M100100-B	Blank plate 100 x 100	100 mm x 100 mm	\$225
OS-M200200-B	Blank plate 200 x 200	200 mm x 200 mm	\$410

Metric dimensions: 12.7 mm thick, 10 mm spacing, M6 threads



Customize:

Order blank plates and add only the holes you need for greater savings.

Get Fixtures Custom-Designed

Every workplace is different. What is most efficient in one workplace may not work as well in another workplace.

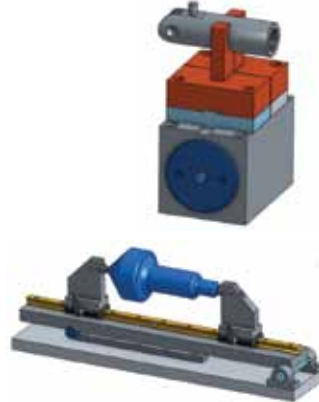
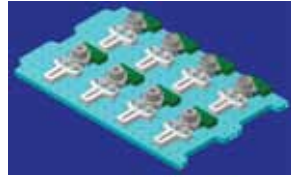
To ensure greater efficiency – and to protect your profits – Phillips Precision will help you design inspection setups using **Inspection Arsenal™**. And while Inspection Arsenal™ is a universal system, we can also custom-design the perfect work-holding components for your parts. Any designs created will be shared for your approval.

- 1-up or multi-part fixtures designed for CMM and vision systems.
- Custom pneumatic fixtures or custom jaws for **Rapid-Loc™** vises.
- Special marking, barcoding, or part numbers added to fixtures.
- 3D printing of sample parts available.

Contact us to talk about your custom design needs.

quotes@phillipsprecision.cc
or call 508.869.0373

Fixture Designs



Fixture Design Inquiry

Contact

Company _____
Name _____
Phone _____
Email _____

Equipment description

Manufacturer _____
Model _____
Stage size _____
Measuring area _____

Other part information

Material _____
Easily marred? yes no
Flexible? yes no
Number of parts per fixture
Fixture for part families yes no
If yes, please describe in the box on the right.
(variations, supply prints, etc.)

Type of fixture

- Vision
 Touch probe
 Multi-sensor

Probe style

- Star
 Straight
 Articulating
 N/A - Vision

Type of part

- Milled
 Turned
 Casting
 Other (describe)

Additional info available

- Pictures showing key features
 Highlighted model files
 Part print/drawing
 Solid model file
 Sample part available
 Request 3D printed part
 Laser mark fixture

Product Catalog Order Form

Loc-N-Load™ - Clear anodized aluminum plates for CMM 0.5" thick, 1/4-20 mm threads, 1"x1" hole pattern				
Part No.	Description	Price	Qty.	Total
LNL-DOCK-12	LNL Docking Rail 2" x 12"	\$280		
LNL-DOCK-18	LNL Docking Rail 2" x 18"	\$320		
LNL-DOCK-30	LNL Docking Rail 2" x 30"	\$420		
LNL-ENDCAP-18	LNL Endcap 2" x 18"	\$250		
LNL-ENDCAP-30	LNL Endcap 2" x 30"	\$310		
LNL-PLT-0606	LNL Fixture Plate 6" x 6"	\$180		
LNL-PLT-0612	LNL Fixture Plate 6" x 12"	\$250		
LNL-PLT-0618	LNL Fixture Plate 6" x 18"	\$320		
LNL-PLT-1212	LNL Fixture Plate 12" x 12"	\$400		
LNL-PLT-1218	LNL Fixture Plate 12" x 18"	\$550		
Accessories for LNL Plates				
LNL-ADPT-06	LNL Adapter Plate 6" x 1"	\$119		
LNL-ANGL-0603	LNL Angle Plate/ Stop 6" x 6"	\$180		
LNL-QUAL-PLT	LNL Indicator Ball Plate 6" x 4"	\$180		
LNL-RND-0608	LNL Radial Plate 6" x 8"	\$430		
Loc-N-Load™ (LNL) CMM bundled systems				
YS505_DK12TR03	12" LNL Dock, Plates + Starter Kit (58 pcs)	\$1659		
YS505_DK12TR02	12" LNL Dock, Plates + Complete Kit (70 pcs)	\$1699		
YS505_DK12TR01	12" LNL Dock, Plates + The Works Kit (146 pcs)	\$3299		
YS510_DK18TR03	18" LNL Dock, Plates + Starter Kit (58 pcs)	\$1769		
YS510_DK18TR02	18" LNL Dock, Plates + Complete Kit (70 pcs)	\$1809		
YS510_DK18TR01	18" LNL Dock, Plates + The Works Kit (146 pcs)	\$3409		
YS520_DK30TR03	30" LNL Dock, Plates + Starter Kit (58 pcs)	\$2188		
YS520_DK30TR02	30" LNL Dock, Plates + Complete Kit (70 pcs)	\$2228		
YS520_DK30TR01	30" LNL Dock, Plates + The Works Kit (146 pcs)	\$3828		
YS560_OC6TR03	6" x 3" Dock, Plates + Starter Kit (58 pcs)	\$1379		
YS560_DK24TR02	24" x 12" Dock, Plates + Complete Kit (70 pcs)	\$2899		
Air-Glide™ feature can be added to the standard 12" x 18" plate or larger. With the introduction of the Air-Glide™ feature, comes a range of larger sized plates. (See chart in catalog.)				
	LNL PLATES w/ AIR GLIDE Feature (Includes valves, tubing and brackets)			

CMM and Work-Holding Sets				
Part No.	Description	Price	Qty.	Total
Stand-off and Riser Sets				
MAGN-SET-30	Magnetic Riser Set, Magnetic clamps (23 pcs.)	\$989.00		
STOF-SET-30	Stand-Off & Rest Pad Set (37 pcs.)	\$525.00		
STOF-SET-30	Enhanced Stand-Off Set (16 pcs.)	\$749.00		
CMM Work-Holding Kits				
TR-KIT-03	Starter Kit - clamps, rails, stand-offs (51 pcs)	\$659.00		
TR-KIT-02	Complete Kit - clamps, rails, stand-offs (70 pcs)	\$699.00		
TR-KIT-01	The Works™ Kit - clamps, rails, stand-offs, magnetic risers (146 pcs)	\$2,229.00		
Work-Holding - Spring Clamps				
CRBW-30	Cross-Bow™ Spring clamp, Set of 8	\$59.00		
D-BLK-30	D-Block™ Spring Stop, Set of 8	\$56.00		
TRBL-30	Trigger-Block™ Spring clamp, Set of 6	\$56.00		
SPR-LOC	Spring-Loc™ Low-profile clamp, Set of 2	\$79.95		
TRFN-20	Trigger-Finger™ & steel shaft, Set of 4	\$99.95		
TRPT-20	Trigger-Point™ w/3 tips & steel shaft, Set / 4	\$199.00		
Risers and Stand-offs				
RG-250	Riser-Grip™ 1/4" opening riser	\$89.95		
RG-500	Riser-Grip™ 1/2" opening riser	\$159.95		
VB-001	V-Block 90° included angle, Set of 2	\$99.95		
SIBU-SO-100	Silver-Bullet™ Stand-off in aluminum, 4 Sets /3	\$199.00		
TRFN-SHAFT	Steel shaft / stand-off	\$16.95		
Stops and Rails				
SIST-RS-100	Simple-Stop™ brushed stainless steel, Set of 7	\$199.00		
SS-01-OS	Simple-Stop™ for Vision, serrated edge	\$69.95		
HA-1420 / M6	Hole Adjuster for Trigger-Finger™, Set of 2	\$49.95		
ADJ-PLT-10	Adjustable platform for TRFN, TRPT	\$49.95		
SLI-STOP	Sliding Stop™ low-profile Stop, Set of 2	\$39.95		

Rapid-Loc™				
Part No.	Description	Price	Qty.	Total
RL-VISE-SYS02	RL™ Vise—assembled. Soft jaws, valve, fittings	\$799.00		
RL-Regulator	Air Regulator w/mounting bracket **	\$80.00		
RL-SJaw-02	Alum Soft Jaws (set of 2)	\$59.95		
RL-MV-Pack	Multi-Vise Connector Pack	\$36.95		
RL-Port-Plugs	Multi-Vise Connector Port w/3 plugs	\$34.00		

Open-Sight™ - Clear polycarbonate plates for vision systems 0.5" thick, 1/4-20 mm threads				
Part No.	Description	Price	Qty.	Total
OS-DOCK-06	OS Docking Rail 6" x 3", aluminum	\$205		
OS-DOCK-12	OS Docking Rail 12" x 3", aluminum	\$295		
OS-PLT-0606	OS Fixture Plate 6" x 6", polycarbonate	\$255		
OS-PLT-0606-B	OS Fixture Plate-Blank 6" x 6", polycarbonate	\$195		
OS-PLT-0608	OS Fixture Plate 6" x 8", polycarbonate	\$275		
OS-PLT-0804	OS Fixture Plate 8" x 4", polycarbonate	\$325		
OS-PLT-0808	OS Fixture Plate 8" x 8", polycarbonate	\$325		
OS-PLT-1208	OS Fixture Plate 12" x 8", polycarbonate	\$495		
OS-PLT-1208-B	OS Fixture Plate-Blank 12" x 8", polycarbonate	\$395		
Open-Sight™ (OS) Bundles and Vision Kit				
YSY01_DK06VIS01	"01" OS 6" bundle- 6" Dock, 6" x 6" plate + VIS-Kit-01 (28 pcs)	\$967		
YSY02_DK12VIS01	"02" OS 12" Bundle-12" Dock, 12" x 8" plate + VIS-Kit-01 (28 pcs)	\$1,297		
YSY03_DK12VIS01	"03" OS 12" Bundle-12" Dock, (2) 6" x 8" plates + VIS-Kit-01 (28 pcs)	\$1,397		
YSY04_DK06VIS01	"04" OS 6" Bundle-6" Dock, 8 x 4" plate + VIS-Kit-01 (28 pcs)	\$1,037		
VIS-KIT-01	OPEN-SIGHT™ Vision Kit (28 pcs) clamp kit	\$497		
Accessories for Open-Sight™ Vision Plates				
LNL-ADPT-06	LNL Adapter Plate 6 x 1", aluminum	\$119		
OS-CORNER-66	OS Corner Block 6 X 6", polycarbonate	\$195		

Modular Tower				
Part No.	Description	Price	Qty.	Total
MT2-SYS-01	Modular Tower System: interlocking cubes, spacer, base, posts	\$749		
MT COMPONENTS: Posts, cubes, spacers, base sold separately				
MT-POST-2	1/2" diameter steel post 2", black oxide coated	\$28		
MT-POST-4	1/2" diameter steel post 4", black oxide coated	\$38		
MT-CUBE-2.0	2" cube, aluminum, black anodized, 1/4-20 threaded holes	\$123		
MT-SPACER-4.0	2" x 4" high, interlocking blank spacer, black anodized aluminum	\$53		
MT-BASE-2.0	Mounting base for 2" tower system. Black anodized aluminum	\$70		

SUB-TOTAL	
SHIPPING	
TAXES	
FEES	
TOTAL	

For terms and conditions please visit: <https://leaninspection.com/terms-and-conditions/>

Metric Product Catalog Order Form

Fixturing Plates and rails with M6 x 1.0 threads				
Part No.	Description	Price	Qty.	Total
Accessory plates for LNL				
LNL-DOCK-M360	Docking rail 360 mm	\$ 340		
LNL-DOCK-M540	Docking rail 54 mm	\$ 380		
LNL-DOCK-M720	Docking rail 720 mm	\$ 490		
LNL-M180180	LNL plate 180 x 180 mm	\$ 290		
LNL-M180360	LNL plate 180 x 360 mm	\$ 480		
LNL-M360360	LNL plate 360 x 360 mm	\$ 790		
LNL-M360540	LNL plate 360 x 540mm	\$1140		
Accessory plates for LNL				
LNL-ADPT-M6	Adapter plate 180 mm	\$ 130		
LNL-ANGL-M6	Angle plate/ Stop 180 x 180	\$ 260		
LNL-QUAL-PLT-M	Indicator ball plate 180 mm	\$ 270		
Open-Sight™ Plates and rails Vision				
OS-DOCK-M100	Docking rail 100	\$185		
OS-DOCK-M200	Docking rail 200	\$255		
OS-M100100	Plate 100 x 100	\$250		
OS-M200100	Plate 200 x 100	\$320		
OS-M200200	Plate 200 x 200	\$460		
OS-M100100-B	Plate blank 100 x 100	\$225		
OS-M200200-B	Plate blank 200 x 200	\$410		

Fixturing Plates and rails with M6 x 1.0 threads				
Part No.	Description	Price	Qty.	Total
LOC-N-LOAD™ Bundled Systems for CMM				
SYSM1_DK360TR03	360 mm Dock, plates + Starter Kit	\$2,139		
SYSM1_DK360TR02	360 mm Dock, plates + Complete Kit	\$2,179		
SYSM1_DK360TR01	360 mm Dock, plates + The Works Kit	\$3,449		
SYSM2_DK540TR03	540 mm Dock, plates + Starter Kit	\$2,369		
SYSM2_DK540TR02	540 mm Dock, plates + Complete Kit	\$2,409		
SYSM2_DK540TR01	540 mm Dock, plates + The Works Kit	\$3,679		
SYSM3_DK720TR03	720 mm Dock, plates + Starter Kit	\$3,269		
SYSM3_DK720TR02	720 mm Dock, plates + Complete Kit	\$3,309		
SYSM3_DK720TR01	720 mm Dock, plates + The Works Kit	\$4,579		
SYSM4_DK100V01	100 mm Dock, plate plus VIS-KIT-01M	\$1,022		
SYSM4_DK200V01	200 mm Dock, plate plus VIS-KIT-01M	\$1,299		
CMM and Work-holding Sets				
TR-KIT-03M (M6)	Starter Kit (50 pcs) clamps	\$689		
TR-KIT-02M (M6)	Complete Kit (69 pcs) clamps	\$729		
TR-KIT-01M (M6)	The Works Kit (138 pcs) clamps	\$1,999		
Open-Sight™ Bundled Systems for Vision and Kit				
VIS-KIT-01M	Open-Sight™ Work Holding Kit (27 pcs)	\$597		

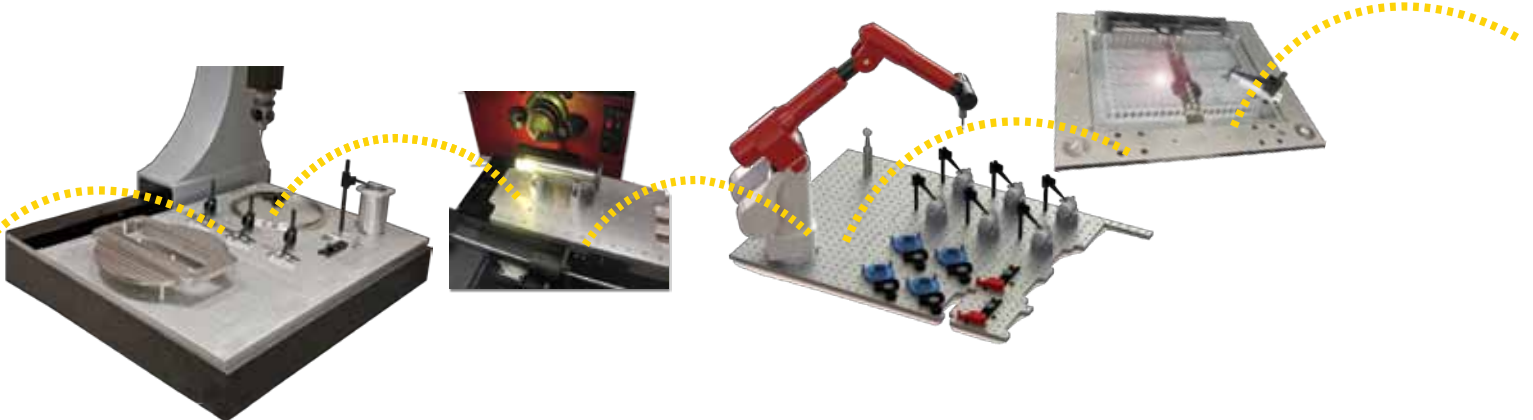
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SHIPPING	
TAXES	
FEES	
TOTAL	

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Don Beasley
Southern Machine Works
Duncan, Oklahoma



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D-Block™

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Rapid-Loc™

Silver-Bullet™

Simple-Stop™

Trigger-Block™

Trigger-Finger™

Air-Glide™

Modular Tower System

Magnetic Stand-Offs

Traditional and Enhanced Stand-Offs



For helpful product videos visit:

www.youtube.com/user/InspectionArsenal/inspectionarsenal.com/videos

See
Page 21 for
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and Custom
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