

KRP

PROGRAMMABLE ROTARY INDEXER ENCLOSURES

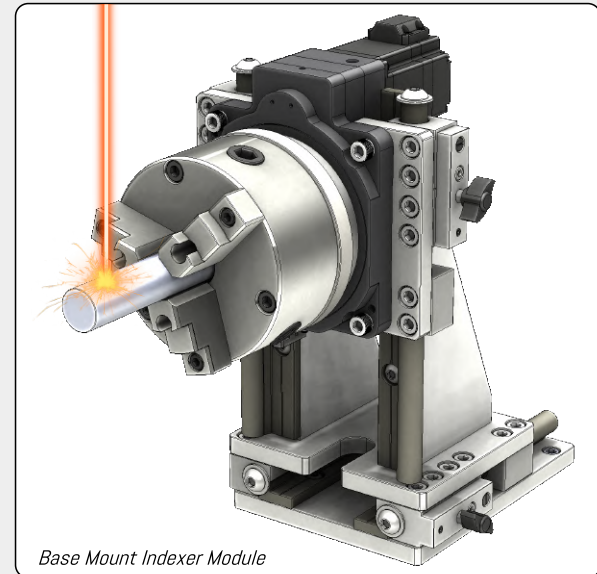
CLASS 1 ROTARY LASER MARKING SYSTEM

The KRP Programmable Rotary Indexer Enclosures combine our proven Class 1 laser marking enclosures with an integrated high-precision programmable rotary axis module for automated 360° marking of parts.

Direct communication with Keyence laser controllers (MD-X, MD-U, and MD-F) automatically coordinates indexing and marking programs at each position.

SYSTEM HIGHLIGHTS

- **Class 1 Safety:** Interlocked access door & laser safety viewing window
- **Laser Compatibility:** Keyence MD-X, MD-U & MD-F series laser markers
- **360° Automated Marking:** Programmable circumferential indexing & marking
- **Flexible Marking:** Equal, custom, continuous, manual, or non-rotary modes



Base Mount Indexer Module

ENCLOSURE OPTIONS

Choose between our compact benchtop or larger sliding door enclosure to best fit your workspace and part size requirements.

Both enclosures integrate with either rotary indexer for complete layout flexibility.

- Class 1 rated enclosures
- Touch screen HMI
- Safety interlocked door
- Laser safety viewing window

see full feature list on page 4

BENCHTOP ENCLOSURE



Hinged Door
Overall Size: 24"L x 24.8"W x 27.3" H
Enclosure Size: 24"L x 16"W x 16.3" H

SLIDING DOOR ENCLOSURE



Sliding Door
Overall Size: 33"L x 27"W x 33"H
Enclosure Size: 31"L x 18"W x 20.8"H

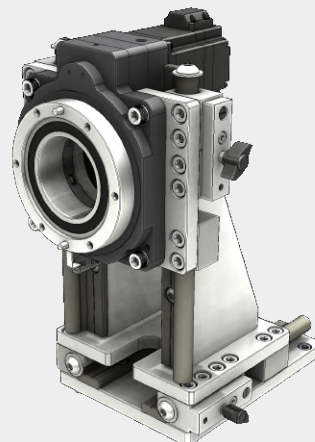
INDEXER OPTIONS

Select the base mount indexer for complete internal operation inside the enclosure, or choose the panel mount indexer to accommodate extra-long parts passing through from the side of the enclosure.

Both indexer systems integrate directly with Keyence controllers and are compatible with either enclosure model.

- Precise rotary indexing
- Fully programmable
- Locking position adjustment
- Five workholding options (see page 3)

BASE MOUNT INDEXER



Mounts fully inside laser enclosure.
Horizontal & vertical position adjustment.

PANEL MOUNT INDEXER



Mounts to side of laser enclosure.
Vertical position adjustment.
Pass-through brush seal feature.

ENCLOSURE /INDEXER MODELS

Configure your KRP enclosure system by selecting an enclosure style and rotary indexer module. Four standard combinations are available, with interchangeable workholding options available separately.

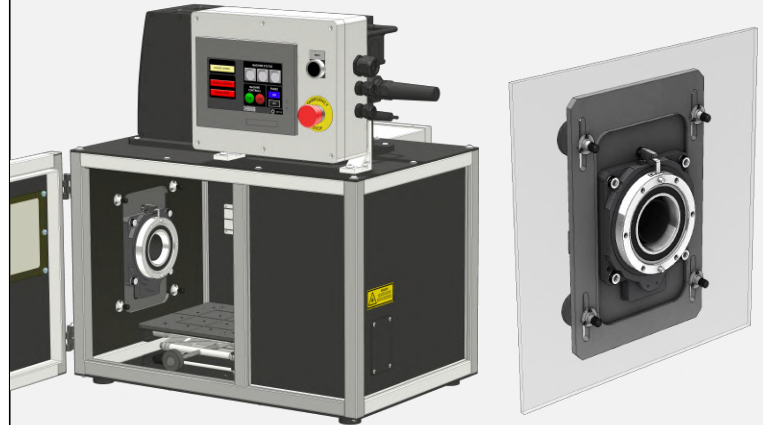
KRP-B



Benchtop Enclosure | Base Mount Indexer

Price: \$24,800

KRP-P



Benchtop Enclosure | Panel Mount Indexer

Price: \$24,800

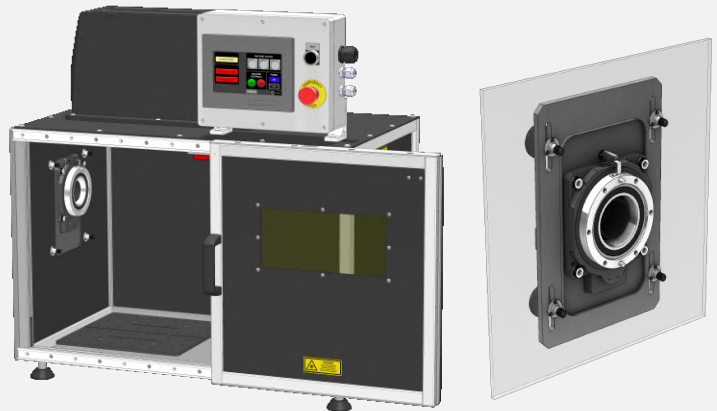
KRP-SD-B



Sliding Door Enclosure | Base Mount Indexer

Price: \$28,600

KRP-SD-P



Sliding Door Enclosure | Panel Mount Indexer

Price: \$28,600

* Sliding Door Enclosures are available in LH or RH door configurations (Door opening on left side or right side of enclosure).

Model	Enclosure Type	Indexer Module	Price
KRP-B	Benchtop Enclosure	Base Mount Indexer	\$24,800
KRP-P	Benchtop Enclosure	Panel Mount Indexer	\$24,800
KRP-SD-B	Sliding Door Enclosure	Base Mount Indexer	\$28,600
KRP-SD-P	Sliding Door Enclosure	Panel Mount Indexer	\$28,600

KRP model pricing includes the selected laser marking enclosure and programmable rotary indexer module. Workholding options are priced separately.



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15 HIGH ST. WEST HAVEN, CT 06516

To place an order, contact us by phone, email or online form.

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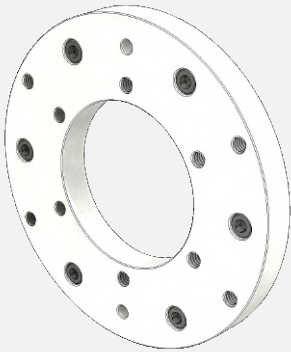
✉ rbarnes@barnestechprod.com



www.barnestechprod.com/laser-enclosure

WORKHOLDING OPTIONS

MOUNT DISC



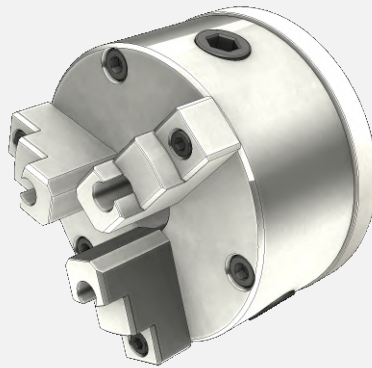
Model #: KRP-WH1

Price: **\$990**

Tapped mounting holes for custom tooling & fixtures

- (10) 1/4-20 tapped mount holes
- Maximum custom fixture flexibility
- 2.5" diameter through hole

3-JAW CHUCK



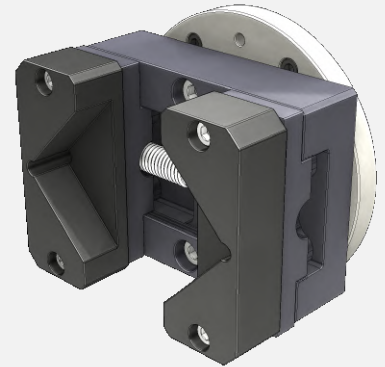
Model #: KRP-WH2

Price: **\$1,880**

Secure ID or OD clamping across a wide range of part diameters.

- Clamping Range: 0.098" - 4.331"
- Jamming Range: 1.496" - 4.921"
- 1.18" diameter through hole

SELF-CENTERING VISE



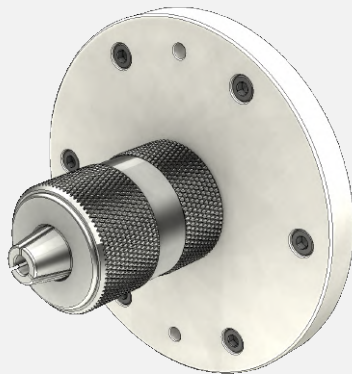
Model #: KRP-WH3

Price: **\$1,995**

Consistent clamping for both round and square part profiles.

- Self-centering clamp jaws
- Replaceable Jaws (Custom Available)
- No through hole

KEYLESS CHUCK



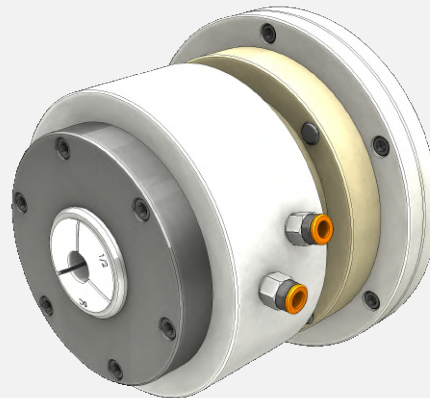
Model #: KRP-WH4

Price: **\$1,630**

Rapid tool-free clamping for small diameter round parts.

- Clamping Range: 0.06" - 0.50"
- Fast, hand actuated clamping
- No through hole

PNEUMATIC 5C COLLET



Model #: KRP-WH5

Price: **\$4,200**

Precision 5C collet clamping with hands-free pneumatic actuation.

- Accepts standard 5C collets
- Pneumatic clamping
- 1.06" diameter through hole



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🌐 www.barnestechprod.com/laser-enclosure

The control system includes a range of operation modes, covering everything from manual indexing to complex marking cycles involving multiple laser marking programs.

- Compatible with Keyence MD-X, MD-F & MD-U laser systems
- Automatically change laser marking programs without manual operator intervention

- Create, name and save custom indexing / laser marking recipes
- Recall and edit saved recipes
- Assign unique Keyence marking programs to different rotary index positions

Equal Spacing:

Custom Increments:

Continuous Rotation:

Manual / Jog:

Move to an individual position, jog the indexer, and manually trigger the laser marking program.

KRP ENCLOSURE FEATURES

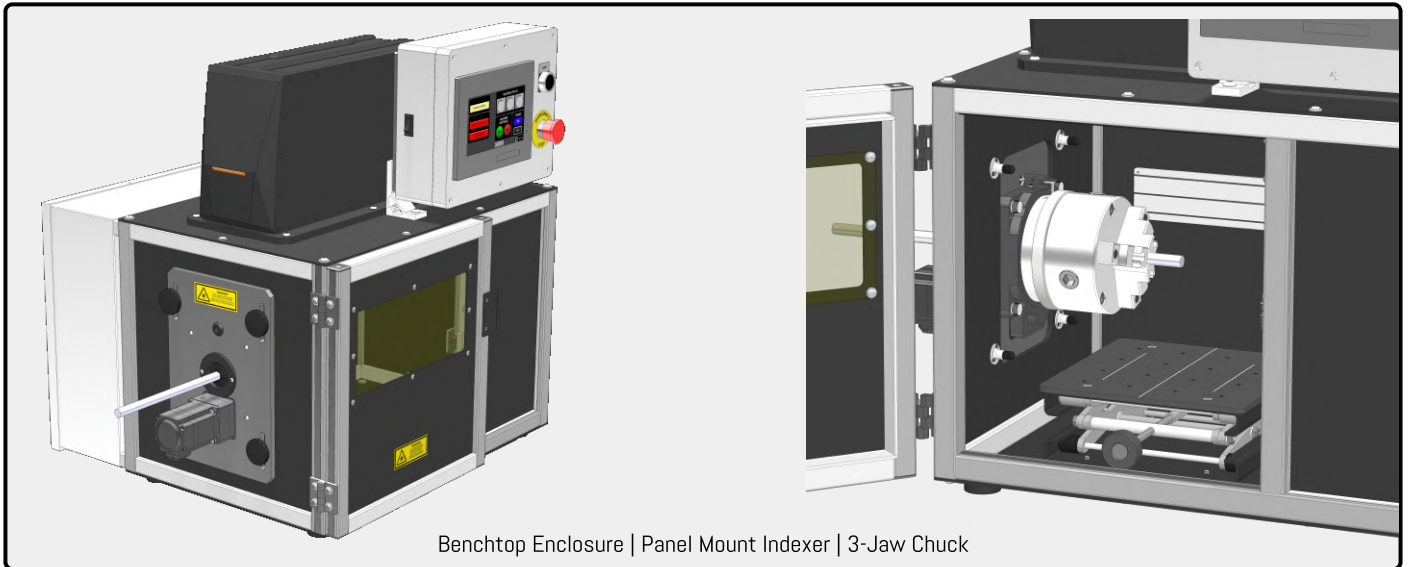
- Class 1 Laser Marking Enclosure
- Compatible with Keyence MD-X, MD-U & MD-F Laser Markers
- For BOTH rotary marking and non-rotary marking
- Flat fixture plate included for non-rotary marking applications
- Programmable Rotary Indexing (Four Modes)
- Recipe / Program Storage and Recall
- Safety-Interlocked Access Door
- Interior LED Cabinet Lighting
- Laser Safety Viewing Window
- Fume Extractor Port
- Touchscreen HMI Operator Controls
- EtherNet Communication with Keyence Laser Controller

SPECIFICATIONS

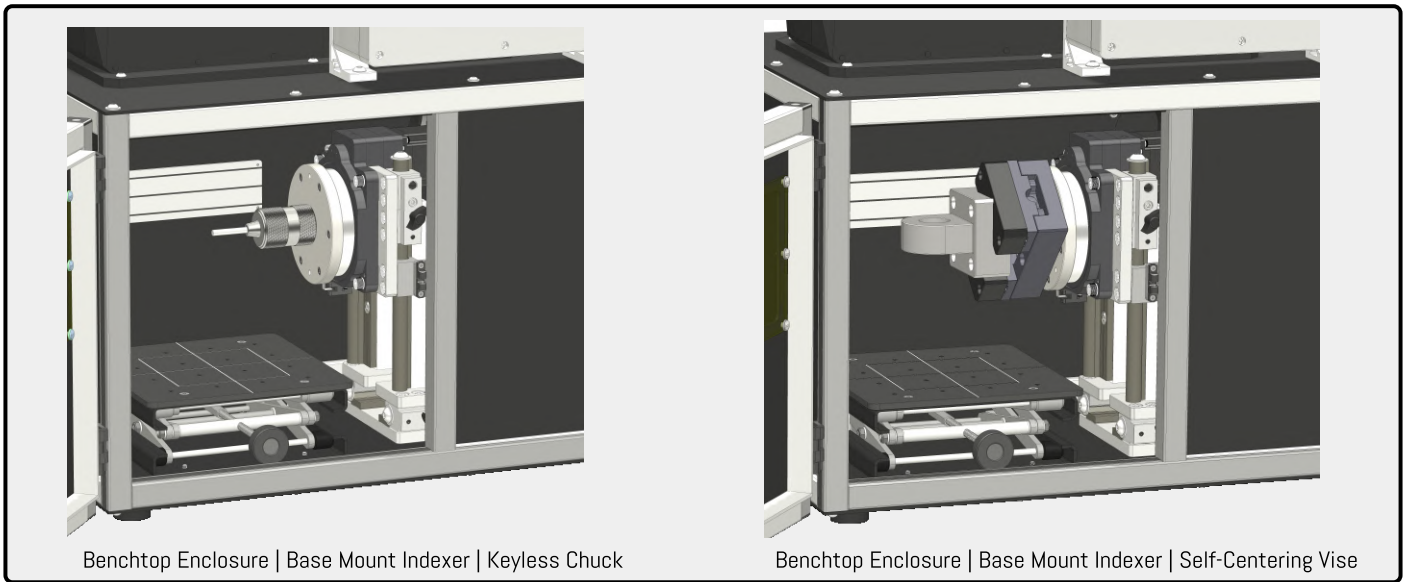
KRP Enclosure Specifications

Laser Marking Enclosure Model	KRP-BX	KRP-BU	KRP-BF	KRP-PX	KRP-PU	KRP-PF	KRP-SD-BX	KRP-SD-BU	KRP-SD-BF	KRP-SD-PX	KRP-SD-PU	KRP-SD-PF
Enclosure Type	Benchtop						Sliding Door					
Indexer Type	Base Mount			Panel Mount			Base Mount			Panel Mount		
Keyence Laser Marker	MD-X	MD-U	MD-F	MD-X	MD-U	MD-F	MD-X	MD-U	MD-F	MD-X	MD-U	MD-F
Overall Size (in) LxWxH	24" x 24.8" x 27.3"						33" x 27" x 33"					
Enclosure Size (in) LxWxH	24" x 16" x 16.3"						31" x 18" x 20.8"					
Door Type	Hinged						Sliding (LH or RH configurtaion available)					
Door Opening Size (in) WxH	13" x 14"						18" x 18.5"					
Fixture Plate Size (in)	9" x 9" with #10-32 Tapped Holes						12" x 12" with #10-32 Tapped Holes					
Fume Extractor Port Size	3 in.											
Electrical Requirements	120 VAC / 60 Hz.											
Indexer Positional Accuracy	3 arcmin											
Indexer Repeatability	±15 arcsec.											

APPLICATION EXAMPLES

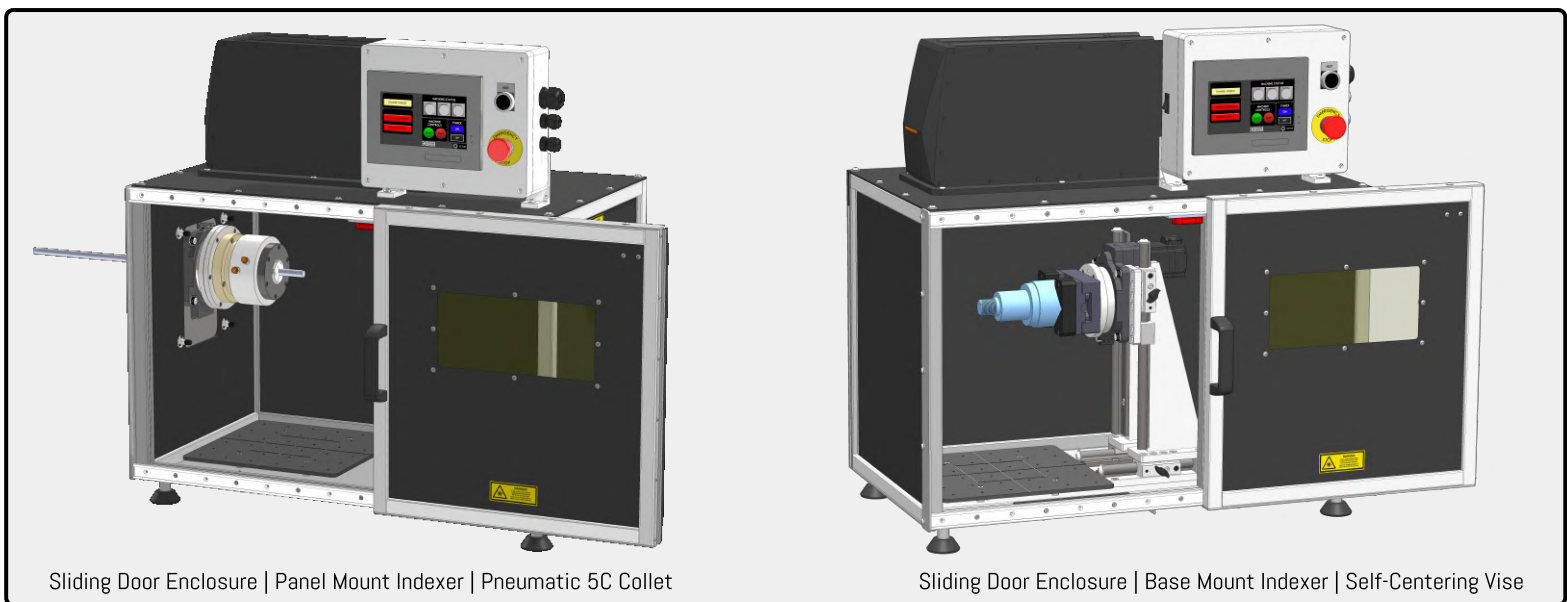


Benchtop Enclosure | Panel Mount Indexer | 3-Jaw Chuck



Benchtop Enclosure | Base Mount Indexer | Keyless Chuck

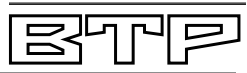
Benchtop Enclosure | Base Mount Indexer | Self-Centering Vise



Sliding Door Enclosure | Panel Mount Indexer | Pneumatic 5C Collet

Sliding Door Enclosure | Base Mount Indexer | Self-Centering Vise

SAFETY LABELS



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