



BenchLinc

Off-line Benchtop Measurement System

<https://laserlinc.com/automated-and-manual-sample-inspection/>



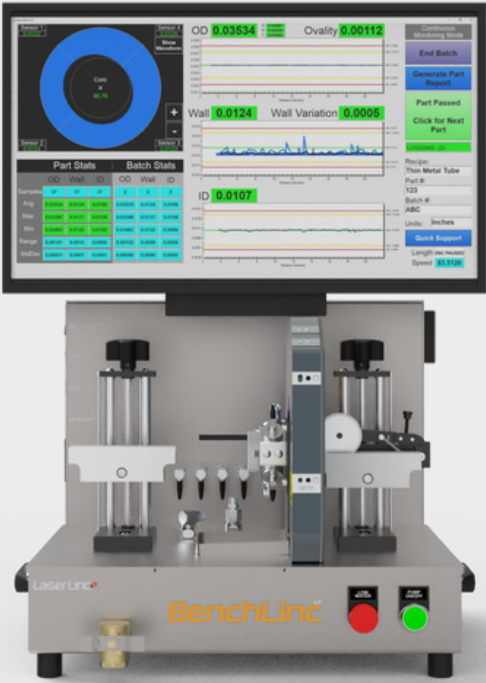
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BenchLinc OD/ID Measurement Parameters

Model	BenchLinc OD/ID 130	BenchLinc OD/ID 160
Outer Diameter Measurement Range	(1.270mm - 27.940mm) 0.050" - 1.10"	(1.270mm - 57.150mm) 0.050" - 2.250"
Inner Diameter Measurement Range	(1.016mm - 27.813mm) 0.040" - 1.095"	(1.016mm - 57.023mm) 0.040" - 2.245"
Approximate Dimensions [H x W x D]	(382.02mm - 577.85mm - 216.66mm) 15.04" - 22.75" - 8.53"	(428.50mm - 577.85mm - 216.66mm) 16.87" - 22.75" - 8.53"
Approximate Table Mount Dimensions [H x W x D]	(490.47mm - 620.52mm - 216.66mm) 19.31" - 24.43" - 8.53"	(536.19mm - 620.52mm - 216.66mm) 21.11" - 24.43" - 8.53"
Approximate Weight	24.95kg (55lbs)	27.22kg (60lbs)



BenchLinc UT Measurement Parameters

Model	BenchLinc UT430	BenchLinc UT460
Outer Diameter Measurement Range	1.27mm - 29.21mm (0.05" - 1.15")	6.35mm - 60mm (0.250" - 2.360")
Metallic Wall Thickness Range	0.076mm - 12.7mm (0.003" - 0.50")	0.254mm - 25.4mm (0.010" - 1.000")
Ridged Plastic Wall Thickness Range	0.076mm - 12.7mm (0.003" - 0.50")	0.254mm - 25.4mm (0.010" - 1.000")
Approximate Dimensions [H x W x D]	728.98mm - 485.14mm - 515.62mm (28.7" - 19.1" - 20.3")	728.98mm - 485.14mm - 515.62mm (28.7" - 19.1" - 20.3")
Approximate Weight	40.8kg (90lbs)	40.8kg (90lbs)



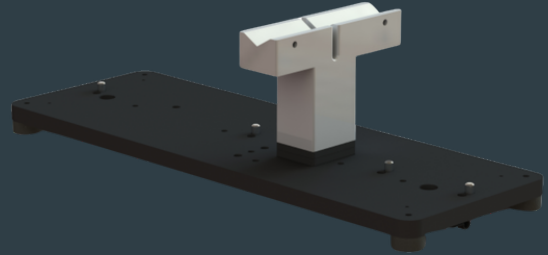
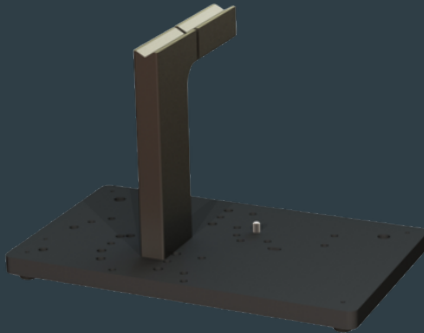
BenchLinc V Measurement Parameters

Model	TLAser122	Axion222	Triton312	Triton330
Outer Diameter Range With V-Block	0.038mm - 21.62mm (0.0015" - 0.851")	0.076mm - 21.79mm (0.003" - 0.858")	0.102mm - 8.66mm (0.004" - 0.341")	0.102mm - 27.53mm (0.004" - 1.084")
Outer Diameter Range With V-Block and Encoder	N/A	0.076mm - 21.59mm (0.003" - 0.850")	0.102mm - 9.63mm (0.004" - 0.375")	0.102mm - 19.05mm (0.004" - 0.75")
Gate Size	23.1mm (0.91")	23.1mm (0.91")	12.0mm (0.47")	30.0mm (1.18")
Approximate Dimensions [H x W x D]	106.7mm - 259mm - 32.3mm (4.2" - 10.2" - 1.27")	149.9mm - 259mm - 31.8mm (5.9" - 10.2" - 1.25")	247.7mm - 254mm - 31.8mm (9.75" - 10" - 1.25")	247.7mm x 254mm x 31.8mm (9.75" - 10" - 1.25")
Approximate Weight	1.45kg (3.2lbs)	2.27kg (5lbs)	4.17kg (9.2lbs)	4.17kg (9.2lbs)



V-Block Accessories

01

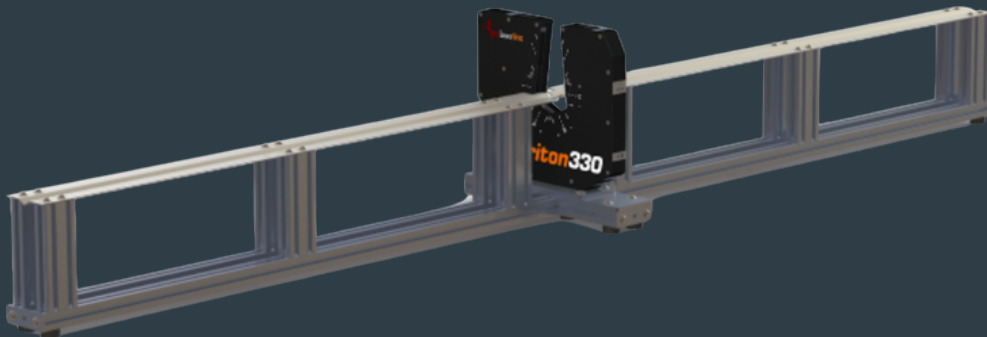


V-Block Fixture: Used to hold round pieces during inspection, the V-shaped grooves center the product, allowing for precise positioning and stability.

- **Product application:**
- **Materials:** Stainless Steel

[CLICK HERE TO VIEW ALL AVAILABLE PART NUMBERS](#)

02



Long V-Block Fixture: Used to hold round pieces during inspection, the V-shaped grooves center larger products that are cut to size during the manufacturing process, allowing for precise positioning and stability.

- **Materials:** Stainless Steel V-Block with Aluminum Structure

[CLICK HERE TO VIEW ALL AVAILABLE PART NUMBERS](#)



Calibration Kits

01

BenchLinc OD/ID 130 Calibration Kit: Calibration kit includes mounting hardware and standard holder with your choice of two standard sized pins

- **Pin Selection:** Please select two pins from this list: .020 inch (0.508mm), .025 inch (0.635mm), .035 inch (.889mm), .125 inch (3.175mm), .250 inch (6.35mm), .375 inch (9.525mm), .400 inch (10.16mm), .500 (12.7mm), .750 (19.05mm), 1.000 inch (25.4mm).
 - Defaults: 125 inch (3.175mm) and .750 inch (19.05mm)
 - *Custom pin sized available upon request
- **Materials:** Black Delrin for the holders and Anodized Stainless Steel for the pins
- **Part Number:** 6500-0000-34

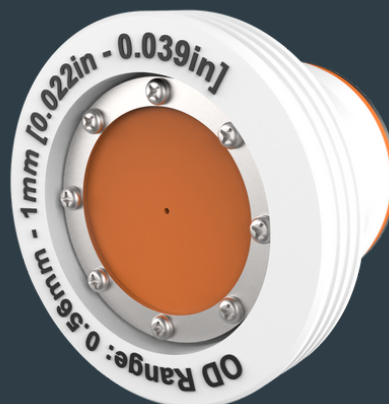
02

BenchLinc OD/ID 160 Calibration Mount: Calibration kit includes mounting hardware and standard holder with your choice of two standard sized pins

- **Pin Selection:** Please select two pins from this list: .020 inch (0.508mm), .025 inch (0.635mm), .035 inch (.889mm), .125 inch (3.175mm), .250 inch (6.35mm), .375 inch (9.525mm), .400 inch (10.16mm), .500 (12.7mm), .750 (19.05mm), 1.000 inch (25.4mm), 1.500 inch (38.10mm).
 - Default: 125 inch (3.175mm) and 1.500 inch (38.10mm)
 - *Custom pin sized available upon request
- **Materials:** Aluminum, Black and White Delrin, Ceramic, Plastic, and Stainless Steel
- **Part Number:** 6500-0001-34



Benchlinc UT Centering Insert



01

Part Guide and Sealing Inserts: Provides product centering for Micrometer and Ultrasonic measurement

Materials: PLA and Rubber

Benchlinc UT 430 Insert Part Numbers

Part Number: 0430-1100-63

ID Range: 1.27mm - 1.65mm (0.05" - 0.065")

Part Number: 0430-1101-63

ID Range: 1.65mm - 2.16mm (0.065" - 0.085")

Part Number: 0430-1102-63

ID Range: 2.16mm - 2.79mm (0.085" - 0.11")

Part Number: 0430-1103-63

ID Range: 2.79mm - 3.56mm (0.11" - 0.14")

Part Number: 0430-1115-63

ID Range: 3.56mm - 4.06mm (0.14" - 0.16")

Part Number: 0430-1104-63

ID Range: 4.06mm - 4.95mm (0.16" - 0.195")

Part Number: 0430-1105-63

ID Range: 4.95mm - 5.97mm (0.195" - 0.235")

Part Number: 0430-1106-63

ID Range: 5.97mm - 6.99mm (0.235" - 0.275")

Part Number: 0430-1107-63

ID Range: 6.99mm - 8.26mm (0.275" - 0.325")

Part Number: 0430-1108-63

ID Range: 8.26mm - 10.16mm (0.325" - 0.4")

Part Number: 0430-1109-63

ID Range: 10.16mm - 12.7mm (0.4" - 0.5")

Part Number: 0430-1110-63

ID Range: 12.7mm - 16.51mm (0.5" - 0.65")

Part Number: 0430-1111-63

ID Range: 16.51mm - 20.32mm (0.65" - 0.8")

Part Number: 0430-1112-63

ID Range: 20.32mm - 24.13mm (0.8" - 0.95")

Part Number: 0430-1113-63

ID Range: 24.13mm - 27.94mm (0.95" - 1.1")

Part Number: 0430-1114-63

ID Range: 27.94mm - 29.97mm (1.1" - 1.18")



Mandrel Accessories

01



Mandrel: Provides support and positioning for metal product with a Teflon coating to prevent friction

Materials: Teflon and Stainless steel

BenchLinc OD/ID Mandrel Part Numbers

Part Number: 6500-3261-05
Mandrel Size: 4.78mm (0.188")
ID Range: 5.03mm - 9.55mm (0.198" - 0.376")

Part Number: 6500-3261-05
Mandrel Size: 4.78mm (0.188")
ID Range: 5.03mm - 9.55mm (0.198" - 0.376")

Part Number: 6500-3262-05
Mandrel Size: 6.35mm (0.25")
ID Range: 6.6mm - 12.7mm (0.26" - 0.5")

Part Number: 6500-3262-05
Mandrel Size: 6.35mm (0.25")
ID Range: 6.6mm - 12.7mm (0.26" - 0.5")

Part Number: 6500-3263-05
Mandrel Size: 9.53mm (0.375")
ID Range: 9.78mm - 19.05mm (0.385" - 0.75")

Part Number: 6500-3263-05
Mandrel Size: 9.53mm (0.375")
ID Range: 9.78mm - 19.05mm (0.385" - 0.75")

Part Number: 6500-3264-05
Mandrel Size: 12.7mm (0.5")
ID Range: 12.95mm - 25.4mm (0.51" - 1.0")

Part Number: 6500-3264-05
Mandrel Size: 12.7mm (0.5")
ID Range: 12.95mm - 25.4mm (0.51" - 1.0")

Part Number: 6500-3265-05
Mandrel Size: 19.05mm (0.75")
ID Range: 19.3mm - 31.8mm (0.76" - 1.5")

Part Number: 6500-3265-05
Mandrel Size: 19.05mm (0.75")
ID Range: 19.3mm - 31.8mm (0.76" - 1.5")



V-Block Part Numbers

V-Block Fixture Part Numbers

TLAser122 Part Number

0122-0000-21

Axion260 Part Number

0260-0000-21

TLAser122s Part Number

5122-0001-21

Triton312 Part Numbers

0312-0000-21, 0312-0001-21,
0312-0001-25

Axion130 Part Number

0130-0000-21

Triton330 Part Numbers

0330-0000-21, 0312-0001-21,
0330-0003-21, 0312-0001-25

Axion160 Part Number

0160-0000-21

Axion203 Part Number

0203-0000-21

Triton360 Part Numbers

0360-0000-21

Axion222 Part Number

0222-0000-21, 0222-0001-25

Long V-Block Fixture Part Numbers

Triton330 Part Number

0330-0003-21