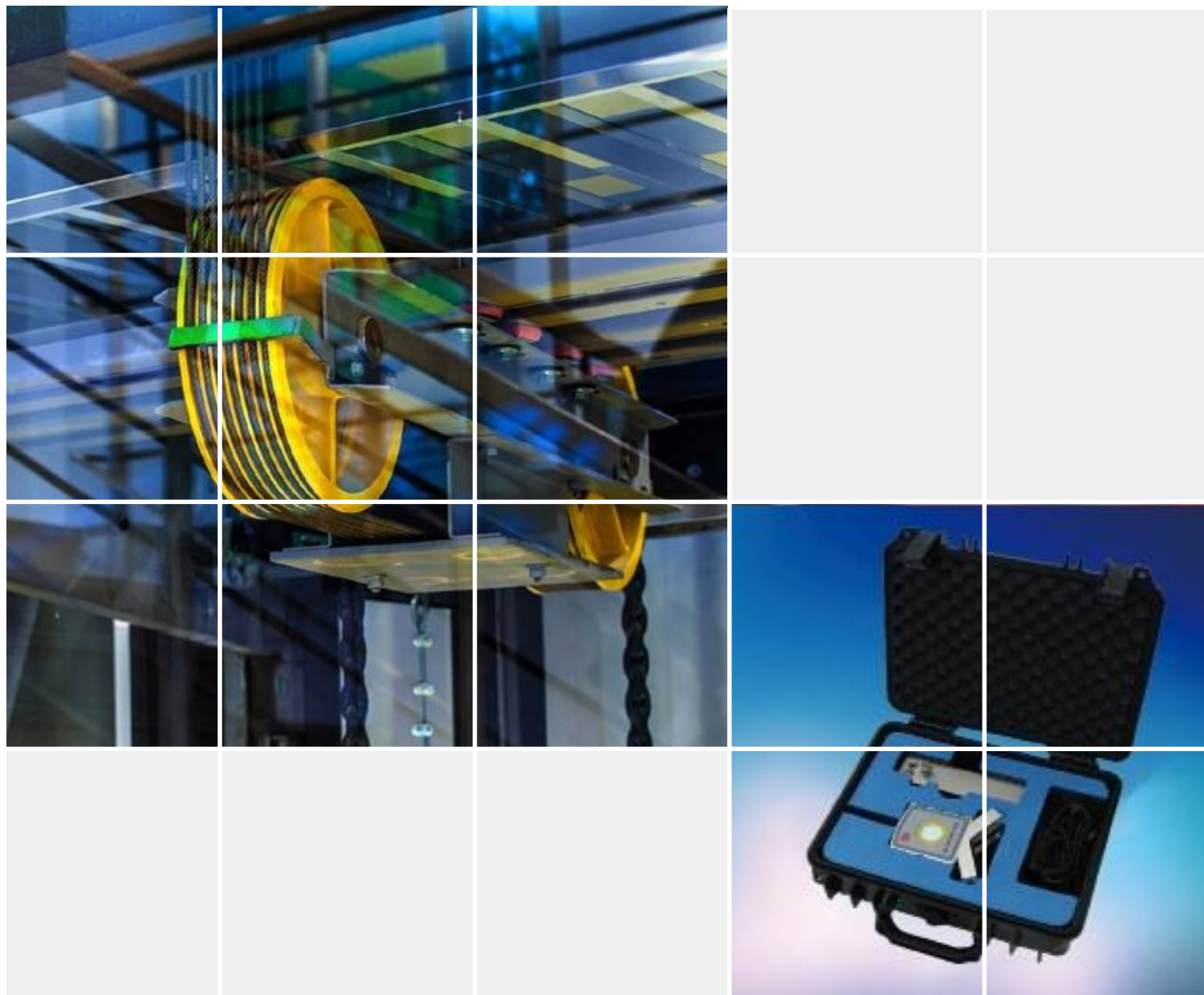




Laser Alignment Instruments Catalogue



山东玉玺仪器有限公司

SHANDONG YUXI INSTRUMENTS CO., LT D.

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Laser straightness measuring tool(LSM-1)

Application

Installation, debugging and inspection of elevator guide rail, linear guide rail, machine tool, crane and large equipment and work-piece.

Functions

- | Laser transmitters and reflector with a variety of mounting interfaces for easy attachment and connection
- | Quick installation, easy to use, accurate measurement
- | With magnetic base, mounted magnetically on steel surfaces.
- | The tool is small and easy to carry. Total weight is less than 3Kg.
- | Chart indicates deviations from each point.
- | Measurement value resolution is accurate to 1 micron
- | Real-time display analytical data and data tables
- | Export data files in "Excel" format
- | User-friendly interface, easy to use
- | Simultaneous measurement of straightness deviation in the horizontal direction (X-axis) and vertical direction (Y-axis)



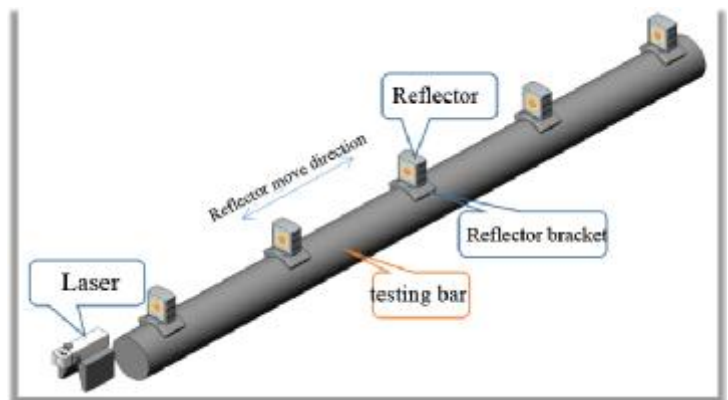
Laser straightness measuring tool-bar pipe (LSM-BP)

Application

Steel bar alignment, steel pipe alignment, engineering construction, equipment installation.

Function

- Magnet under the reflector.
- Small equipment,easy to carry
- Leveling blister on the back of the receiver.
- The measurement resolution value is accurate to 1 micron
- Quick installation,easy use,accurate measurements
- Friendly user interface, simple, intuitive, convenient and flexible
- The linear deviation of horizontal(X axis) and vertical(Y axis) can be measured simultaneously
- Real-time display of analytical data and data tables,Show each deviation point.



Laser squareness measurement(LVM-1)

Application

Machine tools, Processing center, engineering construction, equipment installation

Function

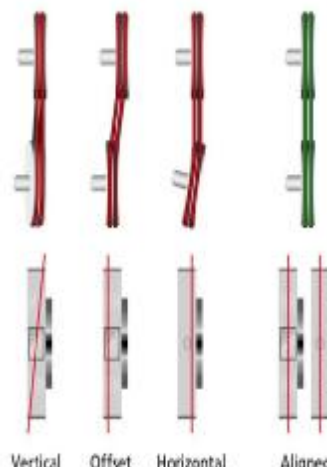
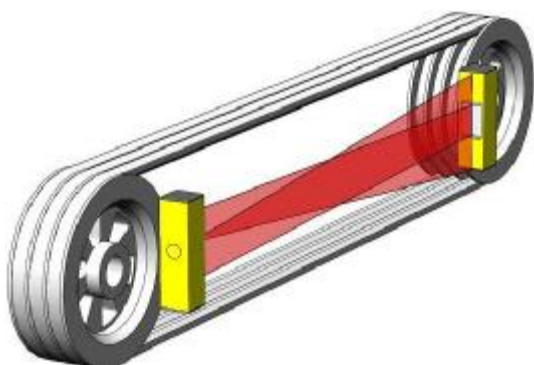
- Data files in Excel format can be exported.
- Quick installation, easy use, accurate measurements
- With magnetic base, mounted magnetically on steel surfaces
- Small equipment, easy to carry, total weight is less than 3Kg.
- The chart shows the vertical angle and the offset distance value.
- Friendly user interface, simple, intuitive, convenient and flexible.
- The resolution of the measurement value is accurate to 10 micron .
- Real-time display of analytical data and data tables, Show each deviation point.
- Using a beam bender, vertical position deviation can be detected by measuring 2 positions in each direction (such as: X, Y)
- Various mounting interfaces for laser transmitter and laser reflector for easy fixing and connection



Laser Pulley alignment Tool(PA-1)

Features

- ┆ Ease to use without any training. Efficient One-man operation
- ┆ Reduces down time and energy costs.
- ┆ Reduces vibration and noise.
- ┆ Prolongs belt and pulley life.
- ┆ Magnetically mounted on the pulley and check the alignment of various pulleys.
- ┆ Show offset, vertical and horizontal angle simultaneously



Technical Data

Laser		Reflector	
Accuracy	< 0.5 mm (offset)	Accuracy	< 0.5 mm (offset)
	< 0.02° (angle)		< 0.02° (angle)
Laser wavelength	650 nm	Reflector size	41mm*27mm
Laser line width	1mm @ 2 m	Mounting method	Strong magnets
Output power	< 2 mW	Weight	500g
Measuring distance	10 m	Dimension	145*40*40mm
Controls	Laser ON/OFF button switch	Housing	Aluminium alloy,anodized
Mounting method	Strong magnets	Carrying Case	
Operating time	10 hours	Material	Black,high density polyethylene
Operating temperature	-20-40℃	Insert	Die-cut foam
Storage temperature	-30-60℃	Dimension	210*167*70 mm
Battery type	2 AA batteries	Total weight	1.3 kg
Weight	430g		
Dimension	145*40*40mm		
Housing	Aluminium alloy,anodized		

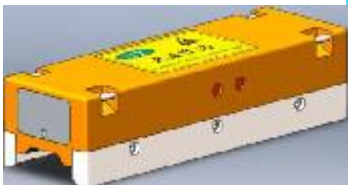
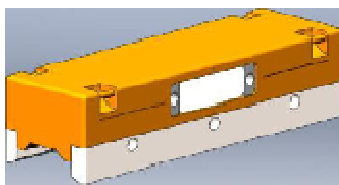
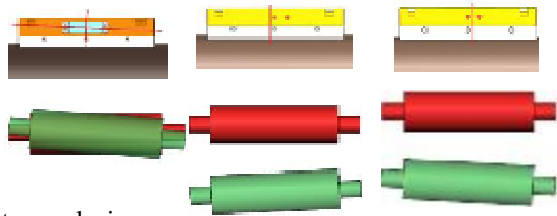
Laser roller parallelism calibrator(RPC-1)

Function

- Reduce downtime and extend equipment life.
- High accuracy and good effect;
- Easy to use, one person can operate and calibrate;
- Innovative structural design, Tight the rope, The clasp will lock automatically.



Technical Data

Laser		Reflector	
			
Item	Parameter	Item	Parameter
Laser power	2mW	Weight	920g
Laser wavelength	650nm	Dimension	160*50*40mm
Accuracy	0.1mm/m	Diameter Range	>50mm
Laser divergence angle	30°	Housing	Aluminium alloy
Laser line width	1mm @ 2 m	Installation Form	Rop and clasp
Operating time	10 hours	Carrying Case	
Battery type	2*AA batteries	Material	Black,high density polyethylene
Weight	860g	case weight	1.5kg
Dimension	160*50*40mm	total weight	3.3kg
Operating temperature	-10~40℃	Dimension	330*280*120mm
Storage temperature	-30~60℃		
Measuring distance	>50mm		
Housing	Aluminium alloy		
Installation Form	Rop and clasp		
Length of rope	250/500mm(2 each)	Status analysis	