App. Example List

MISUMI provides various product lineups for positioning and adjustments for FA applications. Please utilize the application examples below for your product

Simplified Adjustment App. Examples: Simplified Adjustment is suitable for the positioning operation that does not require high accuracy.

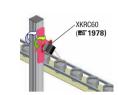
This Simplified Adjustment type includes a product having capability of tightly clamping workpieces once positioning is completed and a product equipped with a characteristic mechanism based on symmetrical action dual carriage. : Stage Top Travel Direction : Handle Rotation

Position adjustment in angle rotation direction Fine feed mechanism in vertical direction

Easy linear adjustment



Provides strong clamp after linear

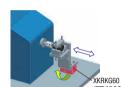




Fast and long feed mechanism in vertical direction Position adjustment by open/close mechanism Large and fast feed mechanism

(B) 1893)







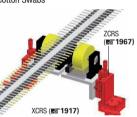
Provides linear adjustment to heavy workpieces

Standard Stages Examples: Suitable for applications requiring approx. 30~50µm motion positioning accuracy and repeatability.

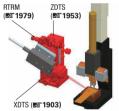
Positioning of Leak Inspection Instrument of Plastic Bottles



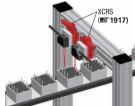
Positioning for Adhesive Application to



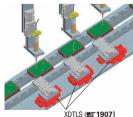
Positioning of Temperature Sensor for Camera Module Thermocompression



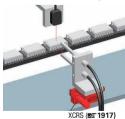
Positioning of Swage **Detection Sensor for Converter**



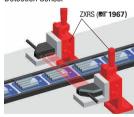
Positioning of Cylinder Stopper for Adhesive Application Device



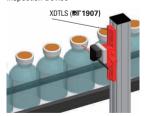
Connector Terminal Press Fitting



Sensor Positioning for Detecting Defects of Positioning of Labeling Defects **Detection Sensor**



Positioning of Shrink Package Inspection Device

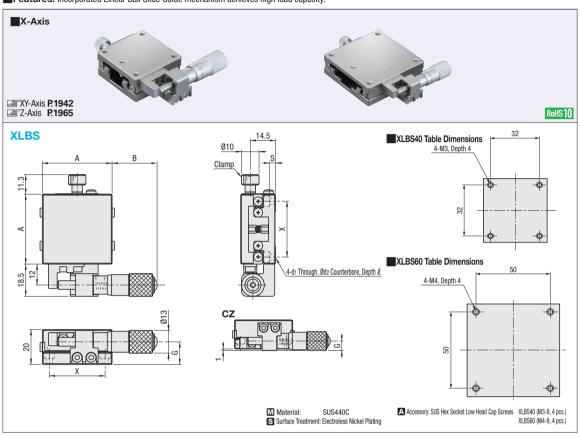


C-MISUM [Standard] X-Axis, Linear Ball Slide **Micrometer Head**



Similar Product Pages P.1921

Features: Incorporated Linear Ball Slide Guide mechanism achieves high load capacity.



High Precision Stage Existing Product: XSG (P.1921)

| Part Number | | Travel Distance | Top View | | Front View | | Side View | | | | | |
|-------------|-----|--------------------|----------|----------|-------------------------------|--------------------------|-----------|-----|----------------|----------------|-----|--------------|
| | | | | | G | | | | | | | Unit Price |
| Туре | No. | (mm) | Α | | Feed Position Standard: CR | Feed Position CZ, CZR | Х | S | d ₁ | d ₂ | l | Office Price |
| XLBS | 40 | ±6.5 | 40 | 25.8±6.5 | 13 | 5.5 | 32 | 3.5 | 3.5 | 6 | 3.5 | |
| | 60 | | 60 | 15.8±6.5 | | | 50 | 3 | 4.5 | 8 | 4 | |

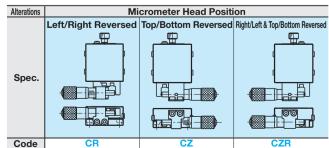
| Part N | Part Number | | Load Capacity | Minimum Graduation | Straightness | Travel Accuracy | | Moment Rigidity ("/N·cm) | | | Parallelism | Weight |
|--------|-------------|-----------------|------------------|-----------------------|--------------|-----------------|--------|--------------------------|--------|---------|-------------|--------|
| Туре | No. | Surface (mm) | (N) | (µm) | (µm) | Pitching | Yawing | Pitching | Yawing | Rolling | (μm) | (kg) |
| XLBS | 40 | 40x40 | 98 | 10 | 10 | 30" | 25" | 0.38 | 0.35 | 0.21 | 30 | 0.24 |
| ALB5 | 60 | 60x60 | 196 | | | 35" | 30" | 0.1 | 0.08 | 0.05 | | 0.44 |











^{*} Same dimensions for CR and CZR.