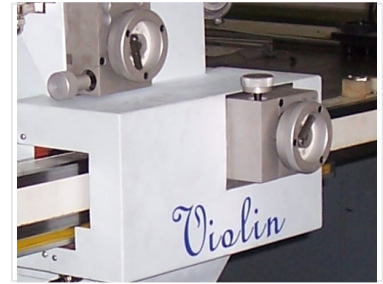


Precision Handwheel Fine Adjustment Mechanism

This is a worm precision fine-tuning device designed for smooth and efficient transmission. It allows for precision displacement with no crawling or air gaps.



Overview

Precision Fine-Tuning Mechanism

This precision fine-tuning device utilizes a worm-gear structure to ensure smooth and efficient transmission for critical alignment tasks. Designed for high-accuracy applications, the mechanism facilitates displacement adjustments with a precision range of 0.001 to 0.01mm. Its robust design eliminates issues such as crawling or air-way gaps, ensuring consistent and stable performance in complex positioning environments.

Technical Specifications

Precision Displacement

0.001 mm

Minimum Adjustment

0.01 mm

Maximum Adjustment

Drive Type

Worm precision fine-tuning

Performance Features

Key Performance Attributes

- Smooth and efficient transmission
- No crawling
- No air-way gaps
- High-precision displacement control

Design and Build

Construction Details

Metal frame, Multi-axis capable, Robust design