Stand Polariscope for Optical Material Analysis

The Stand Polariscope is a precision instrument used for analyzing the optical properties of materials. It features a light source, polarizing filters, and a rotating stage for precise measurements.

Product Overview

Professional Optical Analysis

This Stand Polariscope is a precision instrument engineered for the thorough examination of gemstones, minerals, and various optical materials. By utilizing two polarizing filters, the device effectively reveals internal structures, strain patterns, and optical characteristics like birefringence. It serves as an essential tool for identifying specific materials such as Moissanite and differentiating between natural and synthetic stones.

Technical Capabilities

Analysis Features

- Double vs. Single Refractive identification
- Optic sign determination
- Strain and twinning detection
- Synthetic vs. Natural material differentiation
- Stress pattern analysis in transparent materials

Key Components	Polarizing Filters, Rotating Stage, Stable Stand, Integrated Light Source

Application

Suitable Applications

Gemology • Quality Control • Material Research • Educational Labs