

LED Darkfield Inspection Loupe

This compact, portable optical instrument is designed for detailed observation of small objects. The built-in LED light source provides bright, even illumination and enhances the visibility of surface details.



Product Overview

Professional Gemological Inspection

The LED Darkfield Inspection Loupe is a specialized optical instrument designed for the precise examination of gemstones and jewelry. By combining 10x magnification with advanced darkfield illumination, it allows users to view gems against a high-contrast black background with lateral lighting. This essential tool is particularly effective for identifying internal inclusions, surface imperfections, and detecting fracture-filled or clarity-enhanced diamonds.

Technical Specifications

Magnification	10 x
Illumination Source	Built-in LED
Lighting Technique	Darkfield Illumination

Key Features

Detection Capabilities

- Fracture-filled diamonds
- Internal inclusions
- Surface scratches
- Clarity-enhanced stones

Design Highlights

Compact • Portable • Durable Housing • Ergonomic Design

Primary Applications

Gemology, Jewelry Inspection, Quality Control, Scientific Research