

# KSW8000

## Gemological Tilting Microscopes



The KSW8000 microscope is a scientific precision instrument, which has been developed for professional gemological use.

It is a special microscope to be used for diamond and gem analysis.

They have been built to high optical and mechanical standards to withstand many years of daily laboratory use.

The advanced illumination system, using combination of transmitted, incident and dark field LED illumination, allows a thorough and complete analysis of the surface of the object. The microscope body and head can be rotated 360° and the stand can be inclined 90° to switch between vertical and horizontal position which gives a large flexibility observation.

The stereoscopic head of the microscopes is equipped with two separate optical systems that give an excellent field depth to the image and is also fitted with a continuous zoom system with a span from 0.7x to 4.5x. The trinocular port of the head offers the possibility to attach a photo or video camera in order to view and elaborate the microscope image on a TV or computer monitor.



KSW8000

### Technical data

**Head:** 45° inclined optical head with diopter compensation and adjustable interocular distance 51-75 mm

**Field-Ø:** 32.8 - 5.1 mm

**Objectives:** Zoom lens from 0.7x to 4.5x for zoom magnification from 7x to 180x continuously adjustable

**Oculars:** 10x plano eyepieces with diopter compensation

**Illumination:** Transmitted, incident and dark field LED illumination  
9 W overhead fluorescent light

**Stand:** Metal stand with working distance 95mm

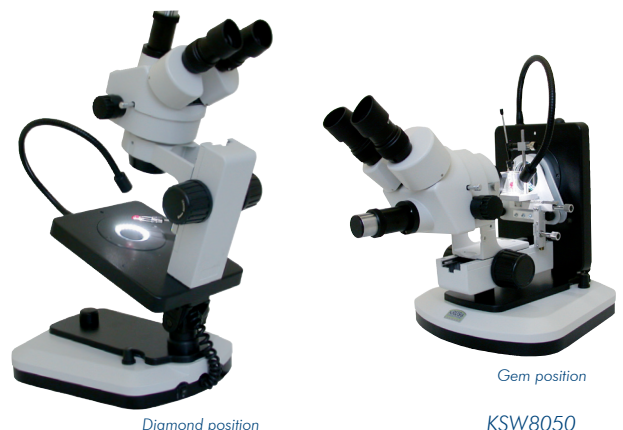
**Accessories:** Stone holder, iris aperture diaphragm, Gemology clips translating cell holder, quartz immersion cells, optical unit to switch the dark field from a „sharp“ (gem exhibition) to a „soft“ (diamond analysis) mode

#### Additional KSW8050 accessories:

Gemology kit: Stone holder, cuvette table, polarization device for inspections in horizontal position

#### Additional accessories available:

vacuum pick-up



Diamond position

Gem position

KSW8050



KSW8050 - accessories

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