# STALWART

**Industrial Inspection Microscope
STM-4000 Series**

STM-4000A/B

# Introduction

STM-4000 series microscopes are specially designed for precise industrial inspection. They adopt infinite optical system and long working distance high-power objective lens. They provide an outstanding optical performance and available to IT industry, large-scale integrated circuits, chips oSTMervation and testing.

# Features

- Big stage with extra large moving range 250×250mm.
- Well designed structure, easy to operate.
- Excellent optical quality with Infinite Optical System and LWD high magnification objective.
- Stage speedy movement by hand to get oSTMervation point immediately.
- Easy, Safe and Reliable Lamp Replacement.
- Comfortable and enjoyable operation with low and pre position control knob.

# Specification

| Item | Specification | | | STM-4000A | STM-4000B |
|------|---------------|---|---|-----------|-----------|
| Viewing Head | Seidentopf type trinocular head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm | | | Standard | Standard |
| Eyepiece | Extra Wide Field Eyepiece Ew10×/ 22 | | | Standard | Standard |
| Objective | Infinite Plan Achromatic Objectives | 4×/0.1/∞/- | WD 17.8mm | Standard | |
| | | 5×/0.12/∞/- | WD 15.5mm | Optional | Standard |
| | | 10×/0.25/∞/- | WD 10.0mm | Standard | |
| | | 10×/0.25/∞/- (BF/DF) | WD 10.0mm | | Standard |
| | | 20×/0.40/∞/0 | WD 5.8mm | Standard | |
| | | 20×/0.40/∞/0 (BF/DF) | WD 4.3mm | | Standard |
| | | 40×/0.6/∞/0 | WD 2.9mm | Standard | |
| | | 50×/0.75/∞/0 | WD 0.32mm | Optional | Optional |
| | | 100×/0.8/∞/0 | WD 2.0mm | Optional | Optional |
| Nosepiece | Quadruple Nosepiece | | | Standard | |
| | Quintuple Nosepiece | | | | Standard |
| Stage | Stage size 300×268mm, Moving range 250×250mm | | | Standard | Standard |
| Focusing | Coaxial coarse & fine Adjustment, Moving Range 24mm | | | Standard | Standard |
| Illumination | 6V/ 20W Halogen Lamp, Brightness Adjustable | | | Standard | |
| | 24V/ 100W Halogen Lamp, Brightness Adjustable | | | | Standard |
| Polarization Set | Analyzer and Polarizer | | | Optional | Optional |
| Filter | Blue, Green, Yellow and Frosted glass filters | | | Standard | Standard |
| Photo Adapter | Used to connect DSLR cameras(Nikon & Canon) | | | Optional | Optional |
| Video Adapter | 1× or 0.5× C-Mount | | | Optional | Optional |

## Application

It is specially used in IT Industry for Large Area Integrate Circuit board, Wafer OSTMervation and other industrial Inspection.

## Sample Pictures

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