

# NEWS LETTER

## ALFA MIRAGE Co., Ltd.

### Quality Control



Hi Checker SCK-203

#### LOOSE STONE CHECKER

This machine is for checking the stones on jewelry which are fixed properly or not by giving vibration. You can easily find out the stones which set loose through magnifying glass. SCK-203 has adjustments for the pulse cycle, vibration power.

Item Code	801-063	801-290
Model	SCK-101	SCK-203
Weight / Dimensions	1.2 kg / 256 x 132 x 45 mm	10 kg / 320 x 245 x 210 mm
Power / Consumption	100V / 10W	100-240V / 120W (max)
Accessories	Holder for Ring & Pendant x 1 pc each Magnifying Glass	
Made in Japan		

#### Feature:

#### Identifying Loose Stones Quickly without Expert Skills. Suitable for Jewelry Factory!

By ultrasonic waves, it identifies loose stones. High performance model with various types of vibration. Anyone can see loose stones at a glance by vibration without expert skills! Indispensable for checking stone settings. Suitable for jewelry factory!

[https://www.youtube.com/watch?v=kQzr8vde\\_5Q&t=44s](https://www.youtube.com/watch?v=kQzr8vde_5Q&t=44s)

#### LOOSE STONE CHECKER SCK-203

IDENTIFYING LOOSE STONES QUICKLY!  
SAVE TIME & EFFICIENT!  
IDEAL FOR QUALITY CONTROL!



#### LOOSE STONE CHECKER /jewelry tools, diamond setting - YouTube

This machine is for checking the stones on jewelry which are fixed properly or not by giving vibration. You can easily find out the stones which set loose thr...

[www.youtube.com](https://www.youtube.com)



## WIDE VIEW ILLUMINATED MAGNIFIER

High specification lens illuminated magnifier from Japan. Spherical Aberration is very few and maximum magnifications 15X with wide view. There are eight types of lens magnification 2X, 3X, 4X, 6X, 8X, 10X, 12X and 15X. Suitable for jewelry work, inspection work, soldering etc. Multi-coated lens are available for 2X to 10X, which has less reflection on the lens surface.

Model	ENVL-B	ENVL-CF
Arm / Type	Stand type	Free arm 680 mm / Clamp type
Weight	2.2 kg (excluding lens)	2.5 kg (excluding lens)
Lens	2X, 3X, 4X, 6X, 8X, 10X, 12X, 15X Chose your best lens magnification.	
Lights	LED with dimmer control (100-50%)	
Power / Consumption	AC100V, 240V / 11W	
Made in Japan		

## INTERCHANGEABLE LENS LINEUP

Area Magnification (approximate)	2X	3X	4X	6X	8X	10X	12X	15X
Image of the model								
Lens	φ 130 Single lens	φ 130 Single lens	φ 130 Double lens	φ 105 Double lens	φ 90 4 lens	φ 90 4 lens	φ 90, 5 lens with polarizing filter	φ 70, 6 lens with polarizing filter
Weight	400 g	500 g	700 g	570 g	1300 g	1350 g	1670 g	1560 g
Image of the view								
Multi-Coated lens	○	○	○	○	○	○	-	-

## The needs for the Illuminated Magnifier

Limit of the microscope magnifier is several hundred nanometers.

After several inspections, there are still needs for some visual examinations in any factories.

When converted eye resolution in number of pixels, it corresponds to the average of about 1 or 2 hundred million pixels. This Illuminated Magnifier is by means for a supplement of performing human eye's ability.

As the quality requirements for industrial products have become higher, the requirements for visual inspection have also become stricter. The inspection method has also changed from the random sampling inspection to full inspection.

In the field of visual inspection, 50% of visual inspection is still carried out by relying only on room lighting. The demand for wide view illuminated magnifiers is considered to be still high.

Used widely among Automobile, Aircraft, Precision Machinery, Semiconductor, Light electrical equipment industry, Component suppliers.



## Feature:

1. Breadth of vision,
2. Depth of field,
3. Workability,
4. Toughness

## Recommended magnification in different purposes of uses.

2X - 4(6)X → Whole inspection, Long time inspection, Three-dimensional inspection

6(8)X - 10X → Random sampling test (High inspection frequency), Planar inspection

12X - 15X → Random sampling test (Low inspection frequency), Planar inspection



<https://www.youtube.com/watch?v=qHUgpXjen7w>



## ILLUMINATED MAGNIFIER ENVL-B 8X

ILLUMINATED MAGNIFIER ENVL-B 8X item code:106-197  
Lens = 8 X,  $\Phi$  85 mm  
4 lens 1,350 g Arm type = Stand type 2.2 kg  
Light = LED with dimmer control (100-50%)  
Power ...

[www.youtube.com](http://www.youtube.com)

 ALFAMIRAGE Co., Ltd.

3-2-19, MIYAKOJIMAHONDORI MIYAKOJIMA-KU, OSAKA 534-0021, JAPAN

TEL : +81 6 6924 2631 FAX : +81 6 6924 2044

E-mail: [sales@alfamirage.com](mailto:sales@alfamirage.com)

Website: <https://www.alfamirage.com>