Industrial Endoscopes Fiberscopes & Borescopes

Light Scope/Bore Scope

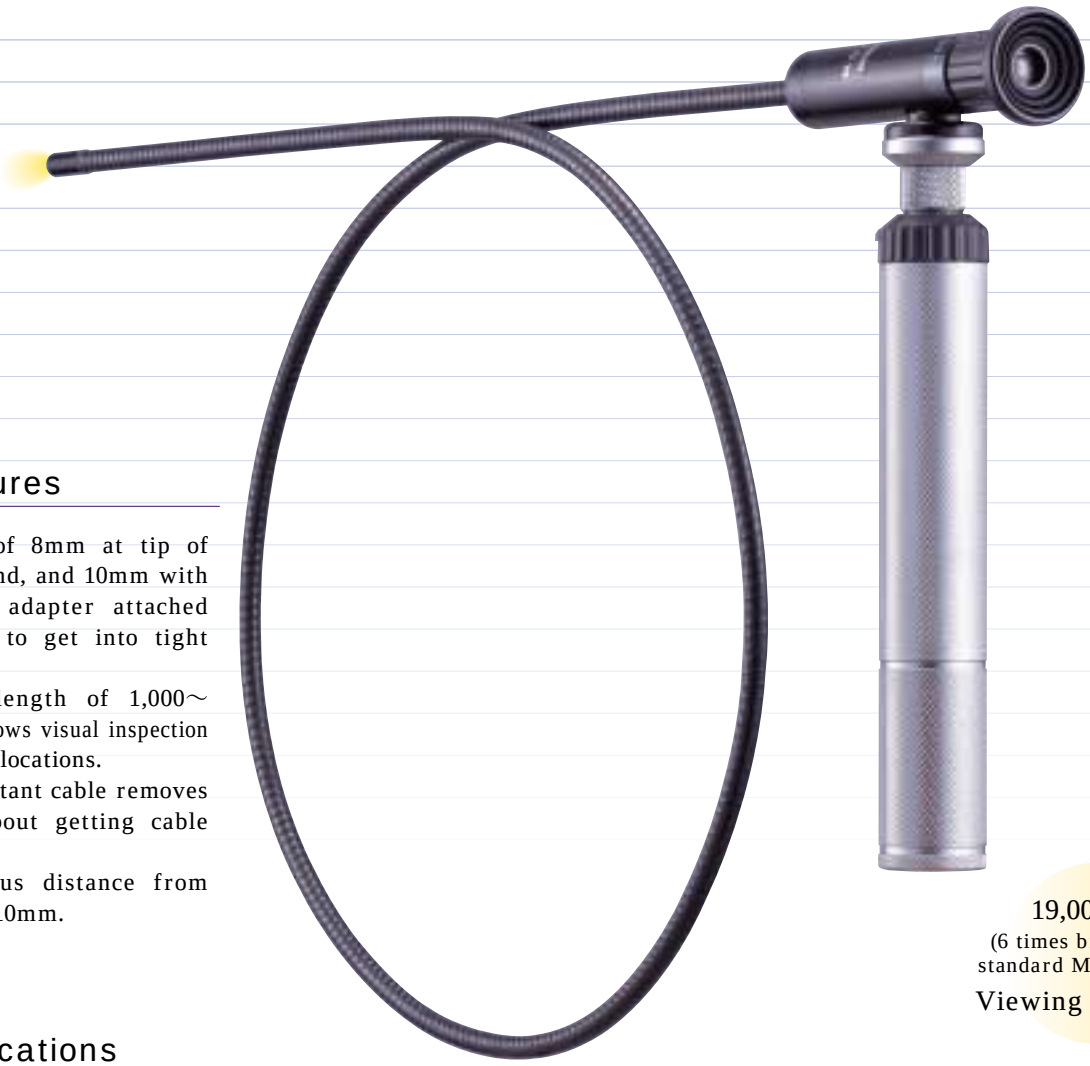
NEW

Testing and visual inspection for automobiles, industrial machinery, gas, air and spacecraft, petrochemical plants, and vessels.

MORITEX CORPORATION

Light Scope

Built-in light source for ease of portability!



Main Features

- Diameter of 8mm at tip of insertion end, and 10mm with side view adapter attached allow you to get into tight locations.
- Effective length of 1,000～3,000mm allows visual inspection of far-back locations.
- Water-resistant cable removes worries about getting cable wet.
- Adjust focus distance from infinity to 10mm.

19,000 Lux
(6 times brighter than standard Moritex model)
Viewing angle: 27°

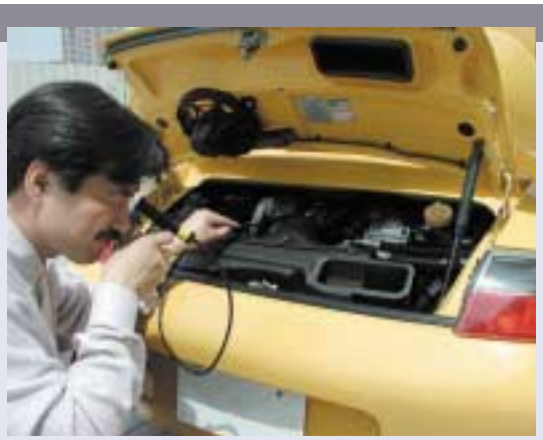
Main Applications

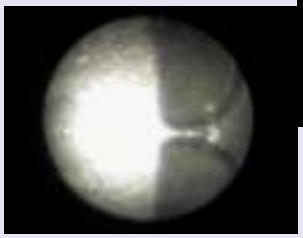
Automobiles	Engines, transmissions, differentials, air conditioners
Industrial Machinery	Engines, transmissions, inside hydraulic pipes
Gas	Inside pipes and exhaust openings
Air & Spacecraft	Turbine blades, combustion chamber interiors, rocket engines
Sewers	Inside pipes, toilet clogs, other plumbing problems
Petrochemical Plants	Process plumbing, water supply pipes, pressure storage tanks
Vessels	Boiler interiors, turbine interiors, diesel engines

Sample Uses

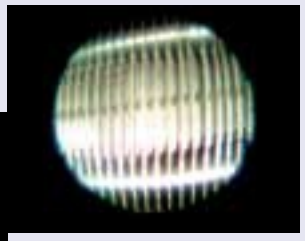
Visual inspection of automobile engine interior

Scope used: MSGI-1350Ⅲ





▲Piston

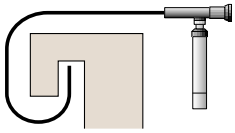


▲AC evaporator

All digital—view, capture, and record crisp images

Interlock Type

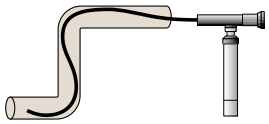
MSPI-1000Ⅲ
MSPI-2000Ⅲ
MSPI-3000Ⅲ
MSGI-1350Ⅲ (Glass Fiber)



Maintains any curve state

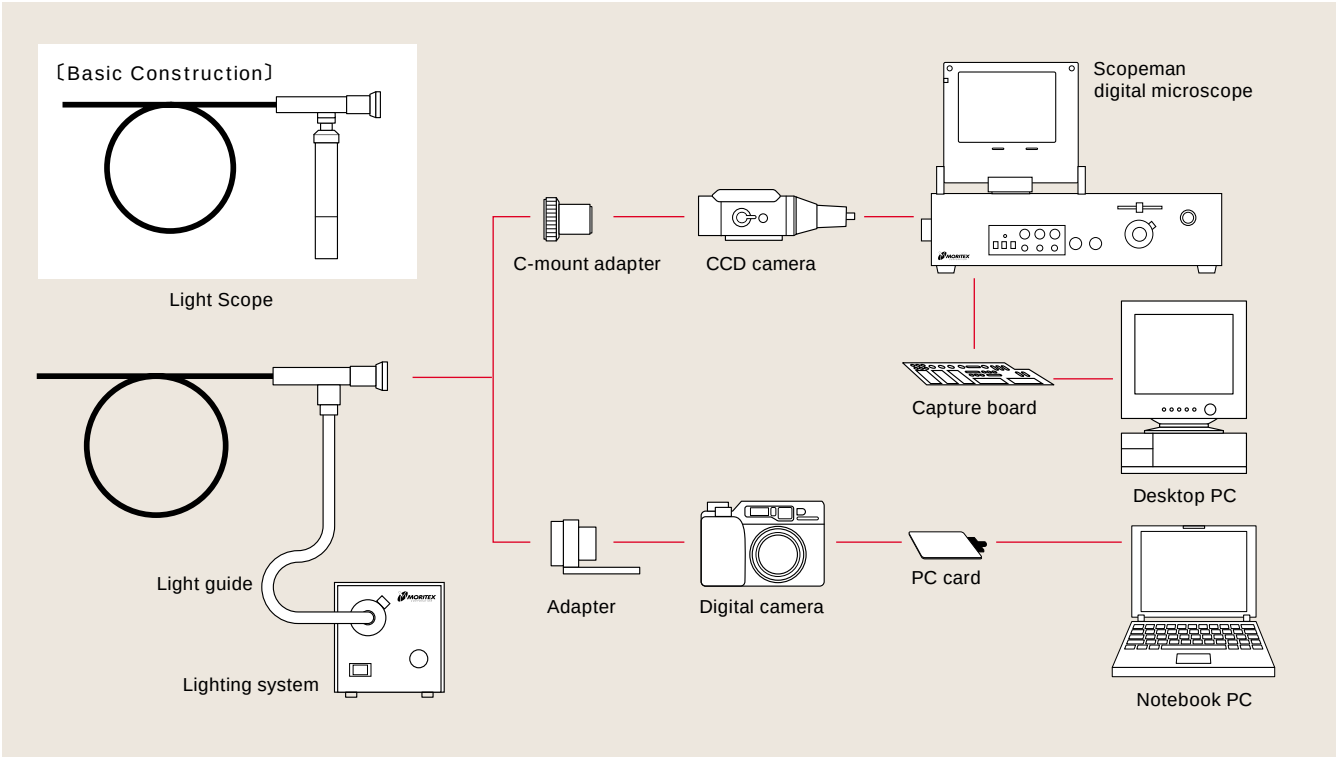
Flexible Type

MSPS-1000Ⅲ
MSPS-2000Ⅲ
MSPS-3000Ⅲ
MSGS-1350Ⅲ (Glass Fiber)



Flexibility for insertion in pipes and other locations

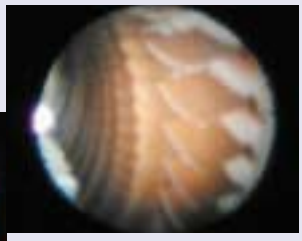
System Flow



Inspection of helicopter engine interior

Light and portable,
easy to reach tight locations.
Scope used: MSPI-1000Ⅲ

▲Rotor



▲Stator

Light Scope

Wide selection for wide range of applications

Specifications

Scope	Type	Iterlock Type (Maintains any curve state)				Flexible Type (Flexibility for insertion down pipe shapes)			
	Fiber Material	Plastic			Glass	Plastic			Glass
	Model	MSPI-1000Ⅲ	MSPI-2000Ⅲ	MSPI-3000Ⅲ	MSGI-1350Ⅲ	MSPS-1000Ⅲ	MSPS-2000Ⅲ	MSPS-3000Ⅲ	MSGS-1350Ⅲ
Image Fiber	Pixels	3,500			10,000	3,500			10,000
	Line Bore	35μm			—	35μm			—
Ligh Source	Lamp	3.5V 0.7A 2.55W							
	Power	Two AA dry-cell batteries (sold separately) [Provides continuous light for 3 hours (when alkaline batteries used)]							
Optical System	View	Direct (side view optional)							
	View Angle	27°							
	Focal Distance	10mm～infinity							
	Waterproofing	Cable waterproofed to 1～1.3 atmospheres（1013～1317hPa）							
	Working Temperature	−20℃～+60℃							
Cable	Material	SUS interlock + PVC cover				SUS flexible + PVC cover			
	Minimum Bend Radius	100mm				40mm			
	Effective Length (Water-resistant case supplied)	1000mm	2000mm	3000mm	1350mm	1000mm	2000mm	3000mm	1350mm

Note: Specifications and appearance may be modified without notice in order to implement improvements.

Not for medical applications

Standard Package

Scope & Hard Case

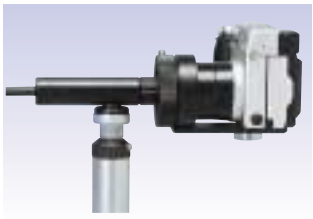
For scope protection & portability

Battery Handle Lighting

Optional Accessories

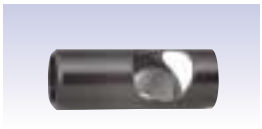
Light Guide

Effectively send light from lighting system to scope (flexible type)



Digital Camera Adapter

Adapter for attaching digital camera



Side ViewAdapter（90°）

View pipe inner walls & other surfaces

Valve

3.5V 0.7A 2.55W

Lighting System

Bright, stable light source in compact design

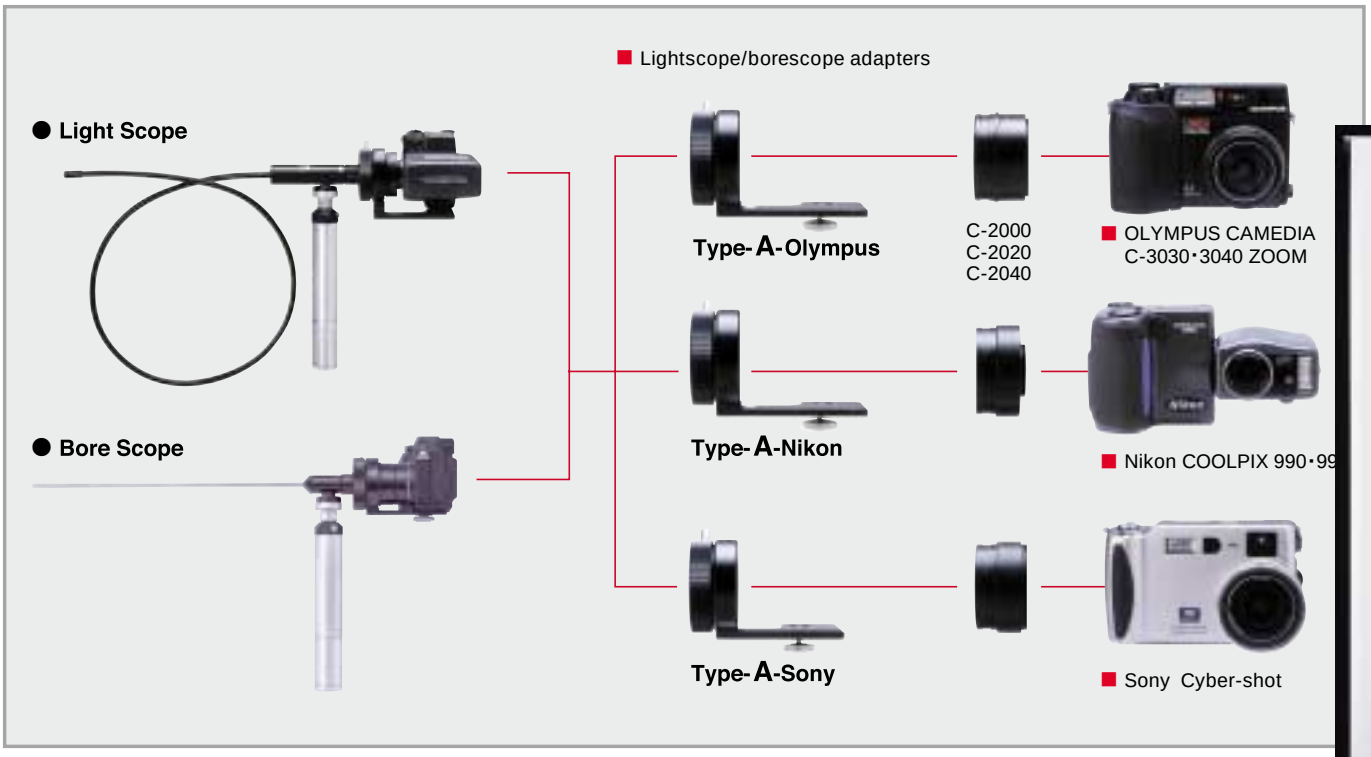
C-mount Adapter

Adapter for attaching CCD camera.
Connect camera and lightscope to view images

Light Scope/Bore Scope

Digital cameras are expanding the applications of digital imaging.

DIGITAL CONVERSION ADAPTER



Sample Images

Not for medical applicatio

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●Contact us for more information

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