

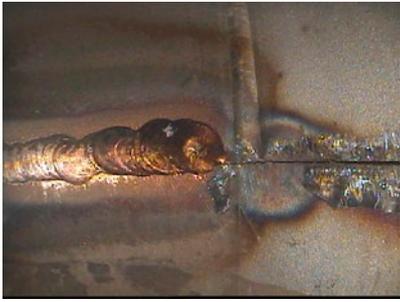
Visual Inspection Kits for Pharmaceutical, Food, and Beverage



Bioprocessing product manufacturing is subject to tightly controlled quality standards to prevent potential bacterial contamination of drugs, food, and beverages. Multiple international standards require visual inspections of bioprocessing facilities before and after production.

Olympus offers IPLEX™ videoscope kits to conduct thorough yet efficient remote visual inspections of bioprocessing equipment to minimize the risk for bacterial contamination.





Bright, Clear Images

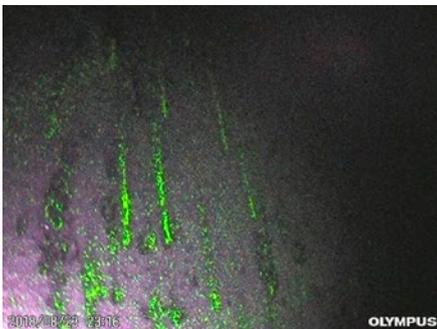
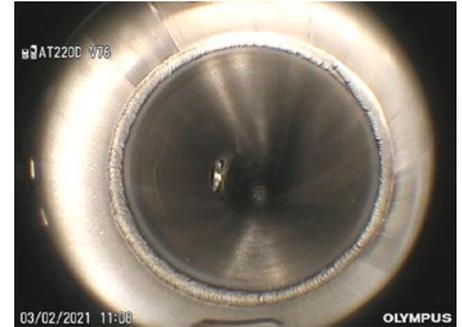
When using a conventional borescope, pipes and tanks made of shiny stainless steel reflect the illumination of the light source, creating halation and obstructing your view.

IPLEX videoscopes' PulsarPic™ image processor actively adjusts the brightness levels to display an image with optimized clarity and sharpness. WiDER™ image processing technology supports a wide dynamic range to maintain visibility in dark areas, even when the brightness is decreased, to avoid halation.

Optimize Your View with Optical Adaptors

Interchangeable optical adaptors provide the optimal view of your inspection targets. You can use a side-view optical adaptor to conduct a detailed weld inspection after examining the inner condition of pipes using a direct-view optical adaptor.

For greater efficiency, opt for our 220° wide-angle view tip adaptor, which is a direct-view lens that also gives you a comprehensive image of the whole weld.



Highlight Invisible Microorganisms

An optional UV light source can be used in combination with penetrant testing to identify surface defects that are invisible and undetectable with white light.

Use an IPLEX videoscope with a UV light source to reveal organic material inside processing equipment through its fluorescence.

Quick and Precise Scope-Tip Control

Quickly navigate the scope tip to your target through complex pipe networks, tight corners, and restricted spaces thanks to the responsive TrueFeel™ scope tip articulation. Its motor-assisted movement enables precision control through easy joystick or touch-screen operation.



Recommended Kits

Handheld Kit



IPLEX G Lite Videoscope

IPLEX G Lite videoscope Φ 6 mm (0.23 in.) 2 m (6.56 ft), 3.5 m (11.5 ft), 10 m (32.8 ft)	IPLEX G Lite videoscope Φ 4 mm (0.16 in.) , 2 m (6.56 ft), 3.5 m (11.5 ft)
AT120D/NF-IV96G 6 mm viewing tip adaptor	AT120D/NF-IV94G 4 mm viewing tip adaptor
AT120D/FF-IV96G 6 mm viewing tip adaptor	AT120D/FF-IV94G 4 mm viewing tip adaptor
AT120S/NF-IV96G 6 mm viewing tip adaptor	AT100S/NF-IV94G 4 mm viewing tip adaptor
AT120S/FF-IV96G 6 mm viewing tip adaptor	AT100S/FF-IV96G 4 mm viewing tip adaptor
AT220D-IV76 8.4 mm viewing tip adaptor	-
UV light source	
Heat shrink tube*	
Centering device for 6 mm diameter scope*	Centering device for 4 mm diameter scope*
MAJ-2342 guide tube for 6 mm diameter 10 m scope	-
Flex and stay tube, 10 mm OD (0.4 in. OD)*	

*Third-party product.

Large 8-Inch Monitor Kit



IPLEX GX Videoscope

IPLEX GX videoscope, ϕ 6 mm (0.23 in.) 2 m (6.56 ft), 3.5 m (11.5 ft), 7.5 m (24.6 ft), 10 m (32.8 ft)	IPLEX GX videoscope ϕ 4 mm (0.16 in.) 2 m (6.56 ft), 3.5 m (11.5 ft)
AT120D/NF-IV96G 6 mm viewing tip adaptor	AT120D/NF-IV94G 4 mm viewing tip adaptor
AT120D/FF-IV96G 6 mm viewing tip adaptor	AT120D/FF-IV94G 4 mm viewing tip adaptor
AT120S/NF-IV96G 6 mm viewing tip adaptor	AT100S/NF-IV94G 4 mm viewing tip adaptor
AT120S/FF-IV96G 6 mm viewing tip adaptor	AT100S/FF-IV94G 4 mm viewing tip adaptor
AT220D-IV76 8.4 mm viewing tip adaptor	-
UV light source	
Heat shrink tube*	
Centering device for 6 mm diameter scope*	Centering device for 4mm diameter scope*
MAJ-2341 guide tube for 6 mm diameter 7.5 m scope	-
MAJ-2342 guide tube for 6 mm diameter 10 m scope	-
Flex and stay tube, 10 mm OD (0.4 in. OD)*	

*Third-party product.

Extra-Long Kit



IPLEX GAir Videoscope

IPLEX GAir videoscope ϕ 8.5 mm (0.33 in.), 20 m (65.6 ft), 30 m (98.4 ft)
AT120D/NF-IV98GA 8.5 mm viewing tip adaptor
AT120D/FF-IV98GA 8.5 mm viewing tip adaptor
AT120S/NF-IV98GA 8.5 mm viewing tip adaptor
AT120S/FF-IV98GA 8.5 mm viewing tip adaptor
AT220D-IV98GA 10 mm viewing tip adaptor
Centering device MAJ-1935
Guide head MAJ-2484
Push rod adaptor MAJ-2486
Push rod*
Heat shrink tube*

*Third-party product.

Note: the kit comes with recommended items, but you can also select items to customize your kit.

Accessories



Flex and Stay Tube

Pliable yet rigid tube that can be shaped freely. Easily bend the tube in any shape to reach an object for remote visual inspection.

The outer diameter is 10 mm (0.39 in.)



Centering Device

Holds the insertion tube centered inside a pipe or tube. Available for scopes with a diameter of 4 mm (0.16 in.), 6 mm (0.23 in.), and 8.5 mm (0.33 in.).



Heat Shrink Tube

The heat shrink tube covers and protects the insertion tube's outer mesh from ingress of fine foreign particles and dust.



Flexible Guide Tube

Increasing the insertion tube's rigidity, the flexible guide tube assists you in inserting the scope to reach deeper areas. Available for 7.5 m (24.6 ft) and 10 m (32.8 ft) scopes.



Guide Head

Attach the guide head on the scope tip to ease its passage over the joints of a pipe, reducing the friction against the pipe's inner surface. Available for 20 m (65.6 ft) and 30 m (98.4 ft) scopes.



Push Rod Adaptor

Mounts the push rod onto the scope. The combination of the push rod and the dedicated adaptor enables the scope to pass over elbow joints to reach deep into a pipe. Available for 20 m (65.6 ft) and 30 m (98.4 ft) scopes.

OLYMPUS CORPORATION is ISO9001 and ISO14001 certified.

All specifications are subject to change without notice.
This product is designed to be used in industrial environments for the electromagnetic compatibility (EMC) performance.
Using it in a residential environment may affect other equipment in the environment.
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