

# HIPP Endoskop Service GmbH

>> *your requirements are our aims.*



## HIPP Micro Borescope Series MB

Technical Product Information

MADE IN GERMANY



# HIPP Borescopes

>> *for industrial application.*



## ■ Our vision – giving the gift of time to our customers

The optimum orientation towards our customers with their needs and requirements constitutes a constant challenge for us to make a small but valuable contribution in facilitating their daily routine. Due to a service portfolio tailored to suit the specific needs of the market and compatibility with other well-known borescope manufacturers, HIPP has evolved into one of the leading companies in the field of industrial endoscopy. We might not be a leader in terms of company size or volumes of systems installed, but certainly we are a leader in manufacturing a well-selected product range of customized borescopes.

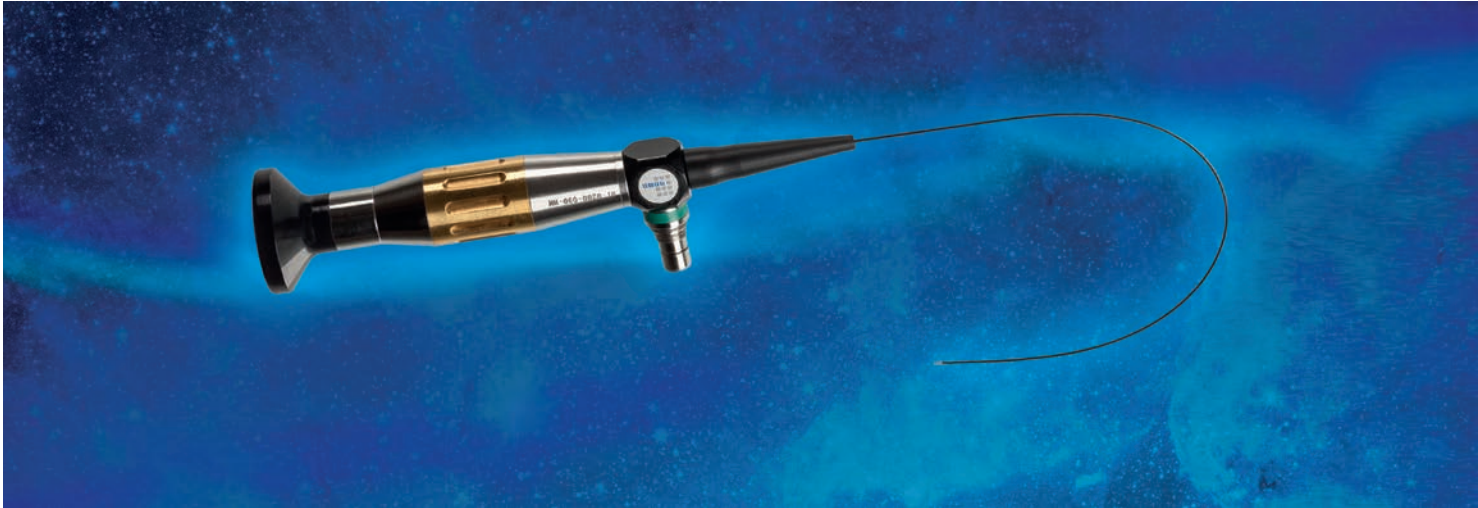
HIPP Endoskop Service GmbH was founded in July 1996 by Alexander and Frank Hipp. As integrated service providers and manufacturers we stand for traditional value structures. Our activities have always been focussed on the development, maintenance and manufacture of all types of industrial borescopes. Thanks to our extensive know-how along with the strong personal commitment of all our employees, creativity, team spirit as well as the stability and permanence of a family-owned business we guarantee the highest level of quality – “Made in Germany”.

## HIPP Service – customer orientation is our benchmark

Of course, customer care and after-sales service are our first priority. Spare parts supply is guaranteed for 10 years. Short repair times in the event of damage (14 days) as well as quick and uncomplicated processing are part of our standards.

# HIPP Micro Borescope Series MB

>> flexible.



■ HIPP Micro Borescope Series MB – maximum benefit due to high user-friendliness

HIPP Micro Borescopes Series MB are used in a wide range of industries covering various applications including:

## Plant Engineering

Testing of pipes / pipelines in the chemical, pharmaceutical and food industry

## Automotive

Testing of engines and engine parts such as valves, pistons and other wearing parts

## Construction and Sanitary Sector

Inspection of pipes and tubes, duct testing, pipe testing (waste water, tap water), leakage, etc.

## Aircraft Construction

Inspection of cavities for fatigue breakage, etc.

## Microsystems Technology

Investigation of hard-to-reach, angular cavities

## Customs and Police Authorities

Search for contraband goods in cavities, etc.

HIPP Micro Borescopes Series MB are characterized by:

- Optimum image quality thanks to focussing in the close and far range
- Easy integration of HIPP Borescopes into existing systems due to compatibility
- Compliance with all requirements of digital image processing due to a high-resolution optical system
- Protection class IP 54



# HIPP Micro Borescope Series MB

>> *features.*



## Product Profile

**MB** Flexible micro borescope, steplessly focusable, image transmission by quartz glass fibers. Variable lengths and diameters are available. Made from stainless steel – "Made in Germany".



FLEXIBLE



LINE OF SIGHT  
(0°)



AVAILABLE GLASS FIBER DIAMETER  
0.5 mm / 0.7 mm / 0.9 mm / 1.2 mm / 1.4 mm / 1.6 mm / 2.4 mm



APERTURE (FIELD OF VIEW)  
70° / MAX. 80° (DEPENDING ON TYPE)



IMAGE PROCESSING  
THROUGH SILICA FIBERS



EFFECTIVE LENGTH (VARIES, DEPENDING ON THE DIAMETER)  
200 mm bis 1.500 mm



FOCUS VARIABLE

## Note

HIPP Micro Borescopes Series MB have a standard aperture of 70°. The viewing direction is 0°.

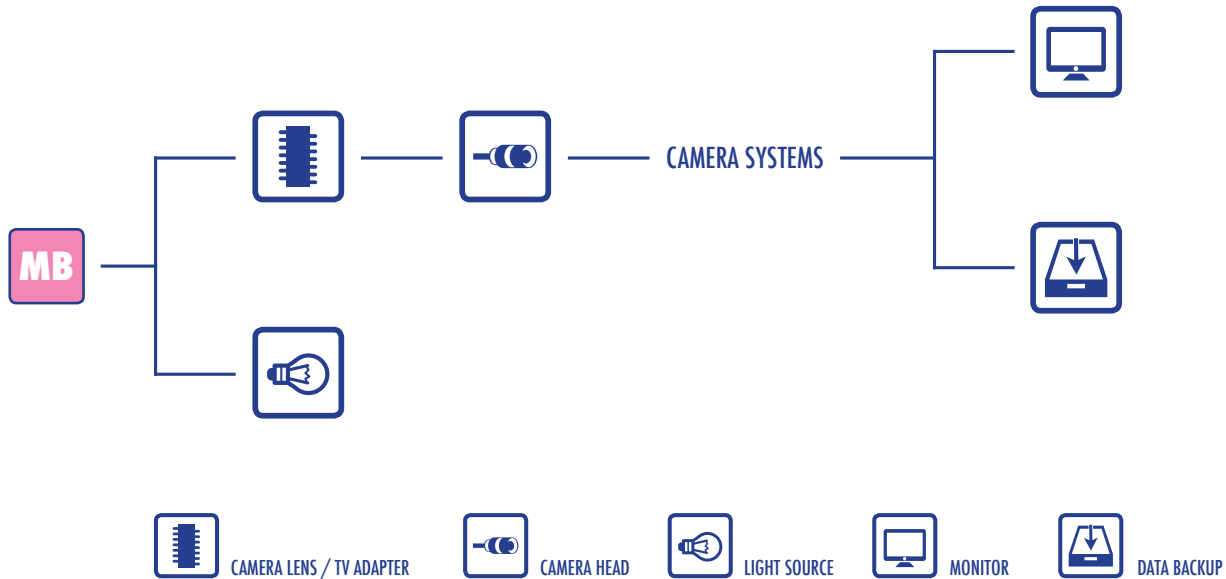
# HIPP Micro Borescope Series MB

>> modular system.



## Modular System

HIPP Micro Borescopes Series MB are compatible to various camera systems and light sources (sometimes also from other manufacturers).



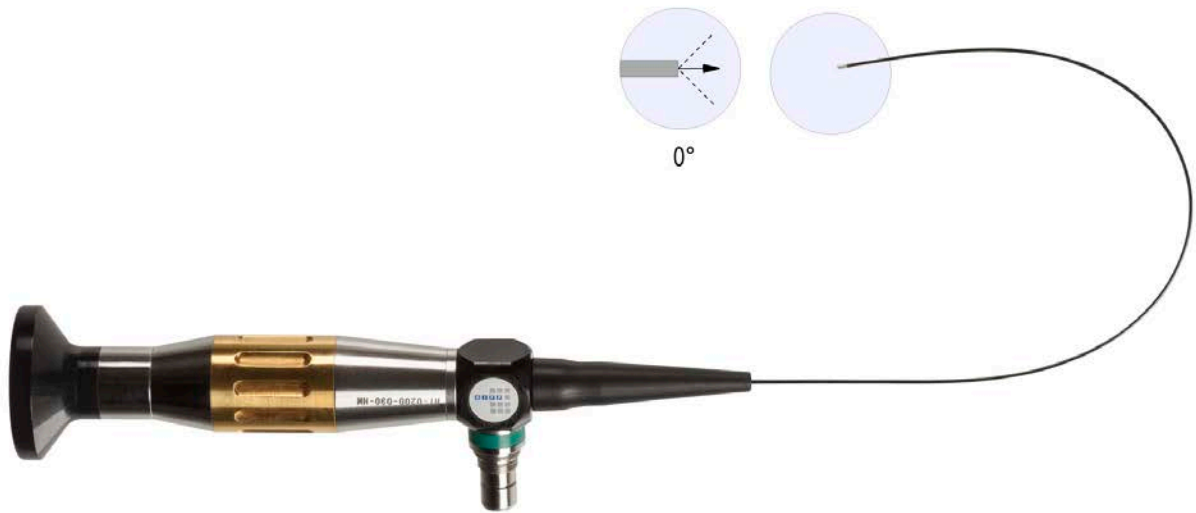
## Accessories

Information about our wide range of accessories such as image processing systems (camera adapters, cameras, monitors), cold light sources and optical fibers as well as the compatibility with other manufacturers can be found in additional product informations.



# HIPP Micro Borescope Series MB

>> *configurator.*



## Borescope-Configurator

The HIPP Borescope-Configurator will assist you to choose the borescope you are interested in.

1. Please specify the fiber diameter. This should be much smaller than the hole:

0.5 mm	0.7 mm	0.9 mm	1.2 mm	1.4 mm	1.6 mm	2.4 mm
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Please enter the required effective length:

## Note

HIPP Micro Borescopes Series MB have a standard aperture of 70°. The viewing direction is 0°.



For more information, visit our website.

# HIPP Micro Borescope Series MB

>> variants overview.

## ■ Glass Fiber Diameter: 0.5 mm to 0.9 mm

Ø [mm]	Effective length [mm]	Viewing Direction	Aperture	Resolution	Item-No.
0.5	150	0°	70°	3000	HT-0150-05-MB
0.5	250	0°	70°	3000	HT-0250-05-MB
0.5	350	0°	70°	3000	HT-0350-05-MB
0.5	500	0°	70°	3000	HT-0500-05-MB
0.5	750	0°	70°	3000	HT-0750-05-MB
0.7	150	0°	70°	6000	HT-0150-07-MB
0.7	250	0°	70°	6000	HT-0250-07-MB
0.7	350	0°	70°	6000	HT-0350-07-MB
0.7	500	0°	70°	6000	HT-0500-07-MB
0.7	750	0°	70°	6000	HT-0750-07-MB
0.9	200	0°	70°	6000	HT-0200-09-MB
0.9	350	0°	70°	6000	HT-0350-09-MB
0.9	500	0°	70°	6000	HT-0500-09-HB
0.9	750	0°	70°	6000	HT-0750-09-HB
0.9	1000	0°	70°	6000	HT-1000-09-HB

## ■ Glass Fiber Diameter: 1.2 mm to 2.4 mm

Ø [mm]	Effective length [mm]	Viewing Direction	Aperture	Resolution	Item-No.
1.2	300	0°	70°	6000	HT-0300-12-MB
1.2	500	0°	70°	6000	HT-0500-12-MB
1.2	750	0°	70°	6000	HT-0750-12-MB
1.2	1000	0°	70°	6000	HT-1000-12-MB
1.2	1500	0°	70°	6000	HT-1500-12-MB
1.4	300	0°	70°	10000	HT-0300-14-MB
1.4	500	0°	70°	10000	HT-0500-14-MB
1.4	750	0°	70°	10000	HT-0750-14-MB
1.4	1000	0°	70°	10000	HT-1000-14-MB
1.4	1500	0°	70°	10000	HT-1500-14-MB
1.6	300	0°	70°	10000	HT-0300-16-MB
1.6	500	0°	70°	10000	HT-0500-16-MB
1.6	750	0°	70°	10000	HT-0750-16-HB
1.6	1000	0°	70°	10000	HT-1000-16-HB
1.6	1500	0°	70°	10000	HT-1500-16-HB
2.4	800	0°	80°	18000	HT-0800-24-MB
2.4	1500	0°	80°	18000	HT-1500-24-MB





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### Technical Product Information



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