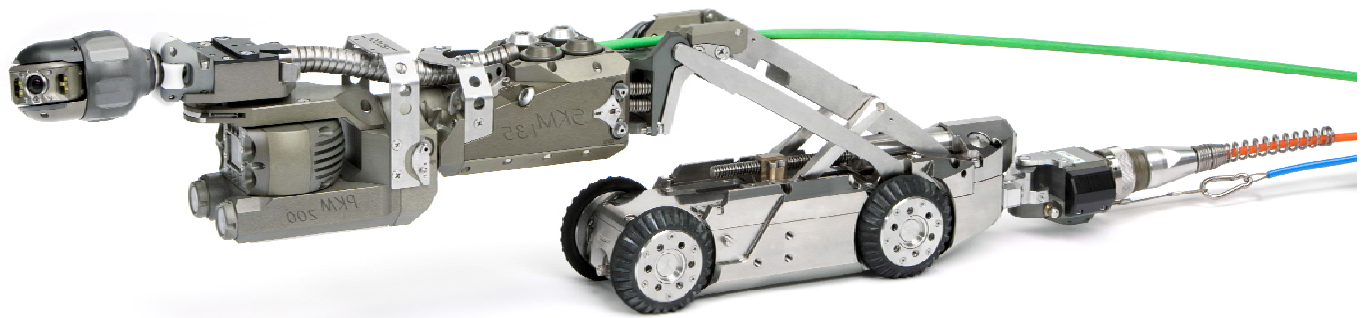




Advanced Pipe Inspection Technology:

Introducing the all-new

M-SERIES



One Tractor for many applications:

- Mainline TV-Inspection (6 – 60 inch)
- Laser Pipe Profiling (6 – 48 inch)
- Mainline & Lateral TV-Inspection (6 – 48 inch)
- Lateral Jetting (6 – 48 inch)

Modular – Reliable – Advanced an American Value!

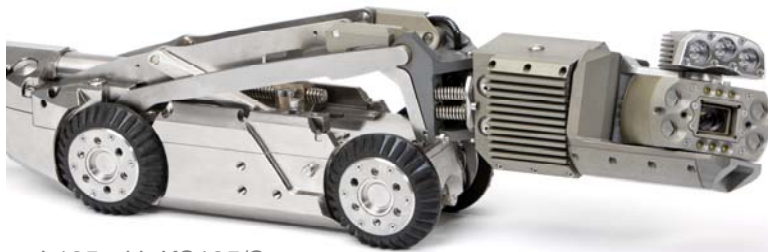


The Unique M-Series

The highly modular M-Series was designed around the all-new tractor platform **L135**. By utilizing just one tractor for many different applications, our customers maintain the cost-saving option to upgrade the same system, based on their changing business demands.

Important: The M-Series can easily be adapted to all existing RAUSCH Systems!

The Tractor L135



L135 with KS135/Scan

Main Specifications:

- Range: 6 inch up to 60 inch pipe diameter
- Two powerful motors
- Steerable 4-wheel drive
- Variable speed, forward and reverse
- Fully synchronized with the cable reel
- Standard electric lift
- Weight: 43lbs, length: 20.5 inch, diameter: 5.4 inch
- Material: anodized brass, fully CNC-machined from a solid block
- Extremely short set-up time for various pipe sizes
- Quick-connect connector to cameras and modular attachments, no exposed cables
- Cardanic military style heavy-duty connector
- Nitrogen pressurized with status shown in control display



rausch

APPLICATION COMBINATIONS FOR THE M-SERIES

... all using the same L135 Tractor!

- **M135 Scan:** 6 to 48 inch Mainline TV-inspection and Pipe Profiling
- **M150 ML:** 6 to 48 inch Mainline TV-inspection
- **M150 LL:** 6 to 36 inch Mainline and Lateral TV-inspection
- **M200 LL:** 8 to 48 inch Mainline and Lateral TV-inspection
- **TSS:** Lateral Jetting retro kit in combination with M150 LL or M200 LL

Legend: ML = Mainline System; LL = Lateral Launch System; TSS = Lateral Jetting Kit

The M135 Scan System for Mainline Inspection and Laser Pipe Profiling

... consisting of L135 & KS135/Scan!



Camera KS135/Scan:

- Range: 6 to 48 inch pipe diameter
- Pan & tilt: 280° pan, infinite rotation
- Zoom: 10-fold optical, 12-fold digital (120:1)
- Auto and manual focus, auto iris
- Auto upright picture
- 4 high-power LEDs for excellent long-range and 6 LEDs for close-range lighting
- 2 Lasers for pipe profiling and crack measuring
- Cardanic military style heavy-duty connector
- Nitrogen pressurized with status shown in control display



M135 Scan – Front View



rausch

The M150 ML System for Mainline TV-Inspection

... consisting of L135 & KS150D

Mainline Camera KS150D:

- Range: 6 to 60 inch pipe diameter
- Electric height adjustment (lift)
- Pan & tilt; 280 ° pan, 560° tilt
- Zoom: 10-fold optical, 12-fold digital, (120:1)
- Auto and manual focus, auto iris
- 4 high-power LEDs for excellent close and long range illumination
- Auto upright picture
- No exposed wiring, quick connect connector
- Nitrogen pressurized with status shown in control display
- Cardanic military style heavy-duty connector



KS150D Camera

The M150 LL System for Mainline and Lateral TV-Inspection

... consisting of L135, PM135, SKM135, ZKM & Lateral Camera KS60CL



Lateral Launch System M150 LL

Lateral Launch System M150 LL:

- Range: 6 to 32 inch pipe diameter *
- Electric height adjustment (lift)
- Modular units PM135 and SKM135 for positioning and inserting the lateral camera KS60CL
- Auxiliary camera system ZKM135
- 2 high-power LEDs in PM135 for accurate positioning and camera insertion

* 48 inch with extra PKM200 or KS150D Camera

Lateral Camera KS60CL:

- Range: 4 to 20 inch lateral pipe dia
- Pan & tilt: 300° pan, infinite rotation
- Manual focus
- Auto upright picture
- Nitrogen pressurized with status shown in control display
- 6 high-power LEDs for excellent illumination



KS60CL

- Pluggable
- Integrated locator transmitter (33Khz or 512Hz)
- Connectable to 100ft lateral push cable
- Pin for negotiating branched laterals (optional)



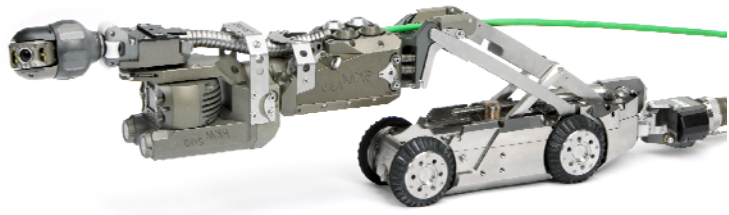
rausch

The M200 LL System for Mainline and Lateral TV-Inspection

... consisting of L135, SKM135, PKM200 & Lateral Camera KS60CL

Lateral Launch System M200 LL

- Range: 8 inch up to 48 inch pipe diameter
- Electric height adjustment (lift)
- Modular unit SKM135 with roller drive for lateral push cable
- Camera PKM200 with high-power LEDs for positioning and use as mainline camera
- Additional LEDs for close-range illuminator



Lateral Launch System M200 LL

The Lateral Jetting Kits M150 TSS and M200 TSS

These lateral jetting kits work in combination with the respective lateral launcher system. The kits itself consist of several adaptations to the SKM and PM modules, as well as a specifically modified water hose with a nozzle – to be connected to a suitable jetter truck/trailer.

... and most important:

The new M-Series can be adapted to all existing RAUSCH systems!





For a free product demo at your location –

Please contact your authorized RAUSCH dealer!

Your authorized RAUSCH dealer:

All information subject to change without notice.

RAUSCH inspection systems are distributed through authorized RAUSCH dealers or sold direct.



Rausch Electronics USA, LLC

370 New York Avenue

Chambersburg, PA 17201, USA

Phone: (717) 709-1005

Fax: (717) 709-1009

Cell: (717) 658-4532

Web: www.rauschtv.com

E-Mail: reusa@rauschtv.com