

# MPlus+ & MPlus+ XL

## PORTABLE LATERAL & MINI-MAINLINE PUSH SYSTEM

The CUES MPlus+ offers the most flexible and feature packed lateral and mini-mainline push system on the market. The MPlus+ modular design combines easy operation with its refined all-in-one set up with the flexibility of facilitating quick removal of the control unit to be used separately for off road or remote job sites or to accommodate compact storage. The MPlus+ is the most versatile push system available in the market today.

The advanced MPlus+ system stands out by integrating all of the most sought after features into an easy to use and intuitive package.

This lightweight system is manufactured for rugged reliability and designed to handle rigorous field use.

Push cables incorporate exclusive HDPE jackets and advanced fiberglass rods designed for longer pushes and extended life.

Contact your CUES Regional Sales Representative for a complete list of optional equipment!



### MPLUS+ COILER & CAMERA

Two coiler configurations for lateral & mini-mainline push applications:

- ♦ Industry leading push cables with exclusive HDPE jackets
- ♦ Configurable for any installed push rod length
- ♦ On-screen customizable distance counter

Standard configuration lateral coiler – 100, 200, 300 and 350' (31, 61, 92, 107 m) push cable lengths available:

- ♦ .444" (11 mm) optimized push cable (.197" (5 mm) fiberglass rod) longer for pushes

XL coiler configuration for mini-mainline applications – 300, 350, 400 and 500' (92, 107, 122, 152 m) push cable lengths available:

- ♦ .517" (13 mm) rigid push cable (.236" (6 mm) fiberglass rod) for larger pipeline applications.
- ♦ Configurations include standard SR3 self-leveling camera for 2-12" (51-305 mm) pipelines and an optional advanced pan & tilt camera head for 4" - 12" (102-305 mm) pipelines.

**MPlus+ offers the most flexible and feature packed lateral and mini-mainline push system on the market.**

- Full featured control unit offers advanced text writing, observation coding, digital recording and more in a weather/water resistant enclosure.
- The large 8.4" (213 mm) industrial grade optically bonded monitor offers the clearest picture in adverse conditions.
- Extensive video titling includes multiple predefined and customizable screens for job documentation. Customized screens and operator data are retained in memory for efficient operation.
- The advanced digital recorder features USB MPEG. recording and playback of video and screenshot picture images. The operation is fully integrated with easy to understand intuitive controls. 16GB external and 128GB internal memory is included.
- Operate the MPlus+ anywhere with 110/220 AC mains power, 12VDC power or the advanced internal Li-Ion battery delivering 4+ hours of use on a single charge.
- The standard and XL coilers will deliver years of service with their heavy gauge and corrosion resistant stainless steel construction.

## OPTIONAL EQUIPMENT

- Optional adapters for the MPlus+ to work with truck-mounted/portable mainline systems and asset management software.
- Mainline interface cable for operation with a CUES multi-conductor TV truck.
- Optional Micro Pan & Tilt Camera for mainline or large pipe applications features continuous 360 deg rotation and pan:
  - All pan & tilt functionality is fully integrated into the systems' controller; built-in multi-frequency 512 Hz and 8kHz sonde transmitter.
- Locator/receiver for accurate camera location in metallic and non-metallic pipelines.
- A large array of optional skids and skates.
- Quadrature footage interface for external asset management software.
- Optional line trace post for 128Hz, 1kHz, 8Hz and 33kHz locating.



## MPLUS+ CONTROLLER

- 8.4" (213 mm) display mounted in a weather resistant control unit that features a quick connect mount for attaching to the coiler.
- Digital recorder with integrated controls featuring intuitive buttons for all recording and playback functions. Features dual drive recording for redundancy and file safety.
- System Interface connection offers flexibility for unique applications and includes video, audio, and 12VDC outputs and a video input. Quadrature footage output for optional asset management software.
- Internal Li-Ion Battery with Intellicharge technology offers 4+ hours of continuous use on a single charge. Also accepts AC and 12 VDC power input.



*MPlus+ XL with Optional Micro Pan & Tilt Camera*