

# KARL STORZ

## TechnoPack™

Videoscope Inspection  
Systems with Laser  
True Measurement



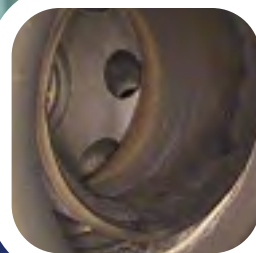
[WWW.KARLSTORZINDUSTRIAL.COM](http://WWW.KARLSTORZINDUSTRIAL.COM)



Laser Measurement



Superior Optics



High-resolution Imaging

- Fully Digital Platform
- Laser Measurement-98% accurate
- CD/DVD read /write drive
- Windows XP, Ethernet, USB ports
- Universal AC/DC power supply
- Temperature warning system
- 3.8mm, 4.2mm, 5mm, 6.2mm & 8mm Videoscopes

**STORZ**  
KARL STORZ — ENDOSKOPE  
INDUSTRIAL GROUP

# TechnoPack™ X

TechnoPack™ X inspection system combines the most advanced tools and technology every RVI inspector needs into one compact field portable unit.



Rugged, impact resistant case for safe storage/transport

Adjustable screen shade

High resolution 12" SVGA (800 X 600)

Internal battery (1 1/2 hr. operating time) self-charging

Ethernet port -High speed information access/exchange

CD/DVD burner

USB ports for Thumb drive & standard Windows™ devices

Removable TechnoPack™ X CCU/light source

Power switch Light Intensity control

Rugged In-line skate wheels

QWERTY keyboard/mouse with hot keys

Retractable AC power cable

Videoscope/borescope/camera storage

Light source -interchangeable 50W/24W lamp modules

Extendable Handle



Wide telescoping handle & recessed in-line wheels for quick, easy transport



Mechanical articulation is reliable and allows for precise movement of the tip without overshoot or backlash



Videoscope buttons allow remote control of TechnoPack™



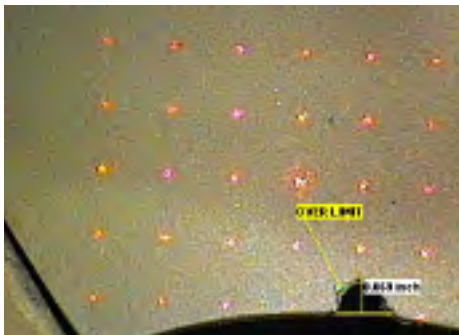
TechnoPack™ can be deployed as a stand-alone AC/DC unit



Telecam™ camera captures images from fiberscopes and borescopes

## Advanced Processing Capabilities:

- MPEG stores & plays over 6 1/2 hrs. of video
- AVI (audio-up to 20sec./image) and text annotation
- Mirror imaging (Horizontal and Vertical) Freeze, store
- Remote digital integration-enhances brightness sensitivity up to 60X
- User adjustable gain setting
- Powerful Pentium M 1.1 GHz Intel Chip, Windows XP™ platform, 20GB hard drive
- Scope Recognition - Automatically recognizes scope/camera and sets optimum image resolution
- Advanced project management software



Advanced Measurement - highly accurate - precise

Temperature warning indicates Normal, Rising or High Temperature



Highly accurate laser measurement can be used as a Go/No Go comparator

## LaserTrue™ Measurement

### On demand- As easy as 1 2 3

LaserTrue™ measurement is faster and easier to use than conventional Stereo. Its always ready. There's no switching of scopes, no special tips, no time wasted relocating defects.

Turn it on, freeze and measure.

Measurements are performed on full screen high resolution images with 98% accuracy. Distance (Point to Point), Depth, Area, Cumulative (Point to Point), and Line to Point measurements.



Split screen function allows comparison of live and stored images

## Videoscopes

- Temperature warning system
- Mechanical articulation –precise fingertip control with tactile feedback
- Buttons allow remote control of TPX
- 7" TFT detachable high resolution monitor (800 X 600)
- 360° scanning for complete field coverage
- Wide selection of scopes and tip adaptors
- 4-layer construction with outer tungsten braid for maximum durability
- 3.8mm, 4.2mm, 5mm, 6.2mm and 8mm videoscopes

Thumbnail screen for viewing stored images





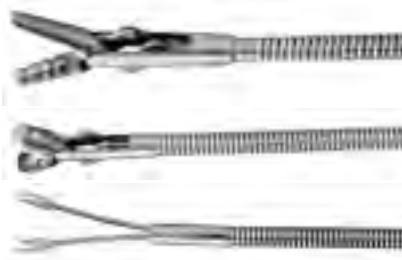
Rugged lightweight Porta Pack™ inspection system combines advanced tools and technology into one compact field portable unit. It is the first portable system to offer laser measurement, a digital storage platform, bright clear images, advanced processing functions and a choice of scope selections all in one portable package.

**Unlimited Storage Capabilities:**

TPX is equipped with 4 USB ports, a built in 20GB hard drive and a CD/DVD read/write drive. The Windows XP™ platform allows unlimited expansion of storage with the use of off-the-shelf USB devices such as Thumb drives, floppy disk drives, or any PC Card readers.



Wide selection of videoscopes & tip adaptors



Working Channel Videoscopes offers a wide selection of retrieval tools

USAF Approves TechnoPack™ X  
The TechnoPack™ X video scope system has been Qualified and Approved by the USAF



ISO 9001 backed by the only 2-year warranty

Techno Pack Models	Porta Pak	TPX	TPX-D	TPX-DM
Basic Systems Functions				
Shipping/Operating Case				
Carry Bag				
Videoscope Interchangeability (5) Diameters				
Rigid Borescope Interchangeability				
Fiberscope Interchangeability				
Interchangeable Tip Optics				
Tungsten/Metal Braid Insertion Tube				
Lamp Brightness Control				
High Intensity Halide Lamp				
12" hi-res SVGA monitor(800 X 600)				
7" TFT Color hi-res monitor(800 X 600)				
AC/DC Operation				
Self Contained, Internal Battery				
Processor/Light Source Functions				
Long Exposure Mode				
Shuttering Mode (Short Exposure)				
Language Selection				
Split screen Viewing				
Digital Zoom				
Scope recognition				
Text Annotation				
Voice Annotation				
USB Memory/Data Export				
Ethernet Connectivity				
CD/DVD Memory/Data Export				
Floppy Disk Memory/Data Export				
Card Memory (CF)				
PCMCIA Memory/Data Export				
Internal Memory (20 GB)				
Still Image Recording				
MPEG Digital Video Recording				
Audio Output				
Live Video Output				
Video Input				
USB Ports				
Pentium M 1.1 GHz Intel Chip				
Temperature warning system				
Measurement Functions				
Measurement - Comparison				
Laser Measurement - 2 Types				
Laser Measurement - 5 Types				
Dual Optical Tip Functionality Measurement/General				
Full screen measurement				
Computer Interface				
Windows XP Desktop Software				
Network Capability				
USB Download				
SVGA Live Video"				