

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

XL PRO™ VIDEOPROBE®

7.3 mm Diameter with Working Channel



Advanced, Portable, Modular

The 7.3 mm VideoProbe from EverestVIT® features an internal working channel and a full suite of working tools making it the most complete FOD retrieval system on the market.

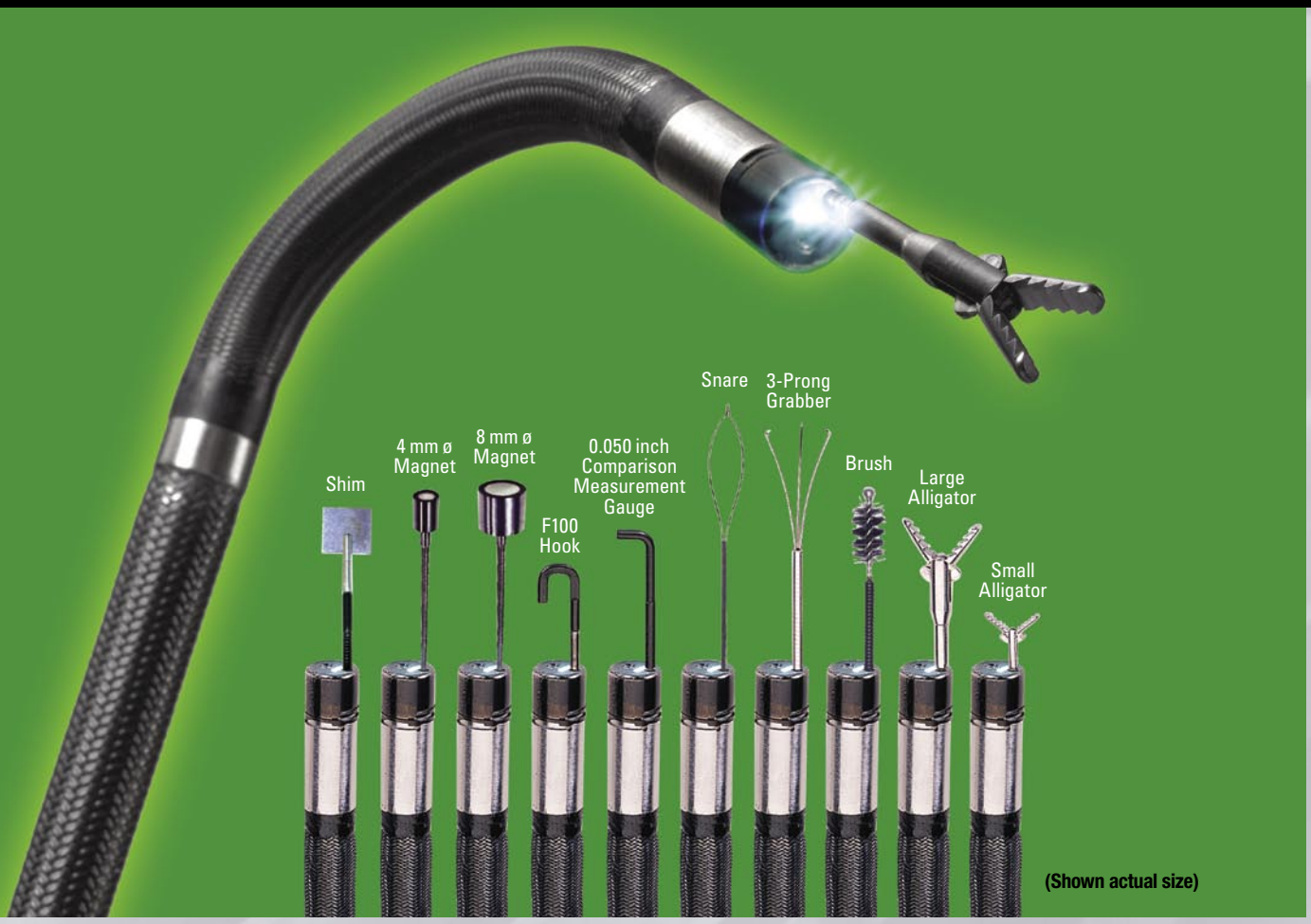


Features

- Internal working tool channel
- 9 different working tools available
- Pratt & Whitney F100 certified
- Available in XL PRO and XL PRO Plus models
- CompactFlash® removable storage media – XL PRO Plus
- USB Streaming digital video output – XL PRO Plus
- Over two hours of MPEG2 full-motion audio/video recording and playback – XL PRO Plus
- Integrated temperature warning system
- Complete portability with AC, DC or battery operation
- Integrated viewing, recording, measuring, comparing and playback
- On-screen time/date, temperature warning, articulation position and character generation

Everest·VIT INC.
COMPLETELY FOCUSED ON REMOTE IMAGING.™

System Features



Retrieval Tools for 7.3 mm Diameter VideoProbe

Probes

From the world's smallest video borescope with All-Way articulation and measurement capability – the 3.9 mm diameter – to the 7.3 mm VideoProbe® XL PRO system with an internal working channel, our interchangable probes are built to withstand almost any environment. Ruggedly constructed, the probes are protected by:

- Titanium camera head
- Quad-wall insertion tube construction
- Tungsten braid over entire insertion tube and bending neck
- Force-limited, servo-motor articulation
- Integrated Temperature Warning System



All-Way® Probe Tip Articulation



With Mini Magic Arm

Hand-Piece

The ergonomic Hand-Piece provides one-handed operation with intuitive joystick articulation, large control buttons and a high-resolution color LCD. The innovative Hand-Piece features:

- Joystick for All-Way articulation and menu control
- Shock-mounted LCD monitor
- Integrated microphone
- Insertion tube torsional strain-relief
- Impact-absorbing rubber bumpers

Technical Specifications

System

Case Dimensions: 66.0 x 55.9 x 26.7 cm (26.0 x 22.0 x 10.5 in.)
Weight: In case 15.9 kg (35.0 lbs.), Without case 7.7 kg (17.0 lbs.)
Power Supply:
AC Power: Nominal input: 100-240 V (min 90 V, max 250 V); 50-400 Hz; 150 W max, 2 A max
DC Power: Nominal input: 11-14 V, 11 A max
+28 VDC via accessory adapter

Camera

7.3 mm diameter VideoProbe® System
Image Sensor: 1/6 in. Color SUPER HAD™ CCD
Pixel Count: 380,000 pixels NTSC; 440,000 pixels PAL
Long Exposure: Automatic or Manual (34 msec to 8 seconds)
White Balance: Factory default or user defined
Housing: Stainless Steel

Processor/Light Source

Common Specifications
Dimensions: 27.9 W x 29.5 D x 14.0 H cm (11.0 x 11.6 x 5.5 in.)
Weight: 5.4 kg (12.0 lbs.)
Construction: Aluminum chassis with polyurethane bumpers
Processor: 32 bit Pentium®-class embedded computer
Brightness Control: Automatic and Variable
Lamp Type: 50 W Metal-Halide Arc
Lamp Output: 2600 lumens at 5885K
Lamp Life: 1000 hrs., median
Keyboard Input: PS/2 style keyboard connector
Audio Speaker: Built-in front panel speaker with volume control knob
Audio Out Jack: RCA style connector, line-level audio out
Video Input: S-Video and Composite BNC (XL PRO only) inputs
Video Out: S-Video and Composite BNC
Remote Control: RS-232, DB-9F Connector

XL PRO Plus Specifications

Memory: 32 MB internal Flash memory
Disk Drives: CompactFlash®, Type I, accepts all memory sizes
Still Image Storage: .BMP uncompressed – 900 KB typical file size
.JPG Super High Quality – 200 KB typical file size
.JPG High Quality – 90 KB typical file size
.JPG Low – 30 KB typical file size
Video Recording: **MPEG2:** High and Low Quality Settings, Up to 42 minutes recording on High w/1 GB CF card
MPEG1: High, Medium and Low Quality Settings, Up to 92 minutes recording on Med w/1 GB CF card
Video Output: S-Video and USB 1.1 streaming digital video

XL PRO Specifications

Memory: 16 MB internal Flash memory
Disk Drive: 3.5 in. Floppy (accepts 32 MB FlashPath® media)
Still Image Storage: .BMP uncompressed – 900 KB typical file size
.JPG Super High Quality – 200 KB typical file size
.JPG High Quality – 90 KB typical file size
.JPG Low – 30 KB typical file size

Standard System Includes

- **7.3 mm VideoProbe with LCD Hand-piece**
- **Light Source**
- **Shipping Case with working tool storage compartment**
- **Neck Strap**
- **Sun Visor**
- **User's Manual**

Operating Environment

Tip Operating Temp: -25º to 80ºC (-13º to 176ºF)
System Operating Temp: -20º to 46ºC (-4º to 115ºF)
Storage Temperature: -25º to 60ºC (-13º to 140ºF)
Relative Humidity: 95% max
Waterproof: Insertion tube and tip to 1 bar (14.7 psig, 10.2 m of H2O, 33.5 ft. H2O)
Hazardous Environments: Not rated for use in hazardous environments

Hand-Piece

Dimensions: 30.5 x 14.7 x 12.7 cm (12.0 x 5.8 x 5.0 in.)
Weight: 2.3 kg (5.1 lbs.) typical; includes insertion tube, power plug, power tube and hand-piece
Power Tube: 1.52 m (5.0 ft.)
Construction: ABS housing with integrated Santoprene® bumpers
LCD Monitor: 12.7 cm (5.0 in.) diagonal integrated TFT color LCD
Articulation: 360º All-Way® servo-motor tip articulation
User Controls: Joystick and complete button function set
Microphone: Integrated high-sensitivity microphone

Tip Articulation

Up/Down–140˚ min, Left/Right–140˚ min
Note: Typical articulation exceeds minimum specifications

Measurement

Supported Measurement Features:

Feature	ShadowProbe®	StereoProbe®	Comparison
Length/Distance	■	■	■
Depth	■	■	
Point-to-Line	■	■	■
Skew	■		
Area	■	■	■
Multi-Segment Length	■	■	■
Circle Gauge	■		■
3x Zoom Windows	■	■	■
5 Measurements per image	■	■	■



XL PRO with floppy drive



XL PRO PLUS with CompactFlash drive

CAMERA DIAMETER	INSERTION TUBE WORKING LENGTH	
7.3 mm (0.29 in.)	2.6 m (8.5 ft.)	3.2 m (10.5 ft.)

Technical Specifications

Software

Operating System:	Real-time multitasking
User Interface:	Simple drop-down menu-driven operation
File Manager:	File and folder creation, naming, copying, deletion
Audio Data:	PC compatible, 15 second files (.WAV format)
Image Controls:	Handset brightness control – gain and exposure
Image Management:	Single button freeze frame, Full or Split screen
Exposure Control:	Automatic or Manual (34 msec to 8 seconds)
Digital Zoom:	1X to 3X – Continuous and 5-Level Stepped
Still Image Formats:	BITMAP or JPEG (Super High, High or Low .JPG)
Video Record Formats:	MPEG2 (High or Low), MPEG1 (High, Med or Low)
Annotation:	Text and Graphic screen overlays and custom logos
Articulation Controls:	All-Way® steering, Steer-and-Stay™, Home, Fine or Coarse
Lamp Control:	Manual brightness and software On/Off
Software Updates:	Field upgradeable via removable media
Remote Control:	PC control via iVIEW™ Remote XL PRO™ application
Temperature Warning:	Integrated camera temperature warning system

Languages

User selectable: English, French, German, Italian, Japanese, Portuguese, Russian, Spanish, Swedish, Chinese and Czech



Tip/Lens Options

*FOV is specified diagonally. **Magnification specifications at near-side of tip Depth of Field.

TIP VIEW	TIP COLOR	FIELD OF VIEW (FOV)*	DEPTH OF FIELD (DOF)	MAGNIFICATION** ON 13" MONITOR / 5" LCD	7.3 mm ø PROBE TIP PART #
Standard Tip Optics					
FORWARD	NONE ☒	50˚	50 mm (1.97 in.) – infinity	10X / 4X	PXT750FF
FORWARD	WHITE ☐	50˚	12 – 200 mm (0.47 – 7.87 in.)	30X / 11X	PXT750FG
FORWARD	BLACK ■	100˚	5 – 120 mm (0.20 – 4.72 in.)	45X / 17X	PXT7100FG
SIDE	BROWN ■	50˚	45 mm (1.77 in.) – infinity	10X / 4X	PXT750SF
SIDE	GREEN ■	50˚	9 – 160 mm (0.35 – 6.30 in.)	30X / 11X	PXT750SG
SIDE	RED ■	80˚	1 – 20 mm (0.04 – 0.79 in.)	70X / 27X	PXT780SN
SIDE	BLUE ■	100˚	4 – 100 mm (0.16 – 3.94 in.)	30X / 11X	PXT7100SG
ShadowProbe® Measurement Tip Optics					
FORWARD	WHITE ☐	50˚	12 – 30 mm (0.47 – 1.18 in.)	30X / 11X	PXTM750FG
SIDE	GREEN ■	50˚	12 – 35 mm (0.47 – 1.38 in.)	30X / 11X	PXTM750SG
SIDE	BLUE ■	50˚	7 – 24 mm (0.3 – 0.95 in.)	50X / 19X	PXTM750SN
StereoProbe® Measurement Tip Optics					
FORWARD	BLACK ■	60˚/60˚	4 – 80 mm (0.16 – 3.15 in.)	37X / 15X	PXTM76060FG
SIDE	BLUE ■	50˚/50˚	2 – 50 mm (0.08 – 1.97 in.)	37X / 15X	PXTM75050SG



■ **Shim tool**



■ **Bolt retrieval using 3 mm Alligator working tool**



■ **7.3 mm probe with hook tool attachment**

Everest VIT INC.
COMPLETELY FOCUSED ON REMOTE IMAGING.™

CE ISO 9001 REGISTERED COMPANY

ABOUT EVEREST VIT

Everest VIT is the industry leader in the development of Remote Visual Inspection (RVI) equipment, sales, on-site service, rentals and training. RVI provides viewing capabilities from a remote location, enabling companies around the world to inspect machinery, facilities and infrastructure in the safest, quickest and most cost-effective manner possible. Everest VIT's innovative products have been used to streamline the inspection process in all industries where safety, security and accuracy are of paramount concern, such as aviation, power generation, processing, manufacturing, law enforcement and infrastructure.

www.everestvit.com

To schedule a product demonstration or to find out more:
Equipment Sales: **888-332-EVIT (3848)**
Rentals & Inspection Services: **800-979-24X7 (2497)**
Direct: 973-448-0077 • Fax: 973-448-0044 • Locations around the world

SALES SERVICE RENTAL

© 2005 by Everest VIT, Inc. Everest VIT, VideoProbe and All-Way are registered trademarks of Everest VIT, Inc. Completely focused on remote imaging, XL PRO, PowerBar, Steer-and-Stay and iVIEW are trademarks of Everest VIT, Inc. Super HAD is a trademark of Sony Corp. Pentium is a registered trademark of Intel Corporation. Santoprene is a registered trademark of Advanced Elastomer Systems. FlashPath is a trademark of SmartDisk, Inc. CompactFlash is a registered trademark of SanDisk Corp. Specifications subject to change without notice.

EVIT-2330-0805 Rev. A

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP