Windows Upgrade Assessment

Date: 14-Nov-6

Client: **All Windows XP Users**
Project Number: **N/A**

End of Windows XP support	On April 8, 2014 Microsoft ended support for their Windows XP OS (operating system). Many of the systems developed by UTEX in recent years are built on the Windows XP OS.
	If your organization is implementing a Windows upgrade program that may affect your UTEX NDT system, please read the following information carefully before you contact us.
In this Upgrade Assessment	This Windows Upgrade Assessment is to help you assess the future of your Windows XP-based UTEX inspection system. It contains the following sections:
	• Inspection system PCs • Upgrade scenarios • UTEX upgrade support

Inspection system PCs

Not an office PC	A UTEX automated scanning system is not a desktop PC. The computer running the scanning system may use a Windows OS but the similarities end there.
	Scanning system PCs are industrial controllers that host specialized hardware and software for motion control and high speed data acquisition. They perform sophisticated functions far beyond those required of an office PC.
	Hardware, software, and OS upgrades introduce system incompatibilities that result in unexpected problems. Fixes can be as simple as replacing a single device driver to a complete system reconfiguration involving hardware replacements and UTEX software upgrades.
OS Upgrade Issues	UTEX software, like most other software, is designed to run trouble-free on a specific version of Windows. For example,
	• Winspect® 6.x is designed for Windows XP®, • Winspect 7 and InspectionWare v.7.0 and v.7.1 run on Win XP or Windows 7, and • Winspect 7.3 and InspectionWare 7.2 are designed for the Windows 7.
	Likewise scanning and inspection hardware is designed using software drivers developed for specific versions of an OS. Hardware manufacturers do not always automatically update Windows XP drivers to run on Windows 7.

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Upgrade scenarios

Upgrade scenarios	The following scenarios help you determine what to do when you are considering system upgrades.

You are running Winspect 6 on Windows XP

UTEX recommends you:
- do nothing,
- maintain the system running Winspect 6.x on Windows XP for as long as possible, and
- plan for a major system upgrade so that,
  - it causes the least disruption, and
  - you achieve the greatest benefit from the modernization.

Rationale
- Winspect 6 runs on Windows XP only. Hardware manufacturers no longer support the drivers used by Winspect versions 5 and 6.
- Most hardware used by Winspect 6.x is now obsolete. Manufacturer do not issue drivers for Windows 7, therefore no upgrade path is available.

Upgrade Summary
A Windows XP / Winspect 6 upgrade involves a near complete replacement of the system that includes these hardware and software components:
- a new Windows 7 PC,
- a Winspect 7 or a InspectionWare 8 license,
- new motion controllers, and
- a new digitizer*.

*Newer models may be retained based on driver availability (see Table 3 on page 4)

ⓘ Onsite installation and commissioning by a UTEX engineer is strongly recommended.

You are running InspectionWare or Winspect 7 on Windows XP

UTEX recommends you:
- upgrade with caution, and
- plan sufficient time and funding to accomplish your upgrade.

ⓘ UTEX software upgrades from Windows XP to Windows 7 are possible, but may require replacement of old motion controls and instruments.

Upgrade Summary
Updating a Winspect 7 or InspectionWare 7 system on Windows XP will likely require new hardware and drivers for the components that can be retained including these hardware and software components:
- a new Windows 7 PC,
- a current Winspect 7 or InspectionWare user license, and
- new digitizers as required*

* Newer models may be retained based on driver availability (see Table 3 on page 4)

ⓘ Onsite installation and commissioning by a UTEX engineer is strongly recommended. Remote support for in-house technicians is also available.

UTEX Upgrade Support

Win XP to Win 7 support

Table 1 shows the support you can expect when you upgrade either UTEX software or the OS on your UTEX system.

Table 1 XP to Windows 7 OS support

When…	and…	then…
your system PC is running the Windows XP OS,	you wish to upgrade either, ○ UTEX software, or ○ XP supported hardware,	UTEX support is available depending on your versions of UTEX software and XP supported hardware.
	• you have already upgraded to Windows 7, or • you wish to upgrade your OS to Windows 7*	your system will require a major upgrade where additional component and support costs apply.

*Winspect 6 cannot be installed on Windows 7. To upgrade you must buy new system software and hardware.

Winspect 7 and InspectionWare, running on XP, can be upgraded.

Hardware upgrades

Table 2 shows what you should consider before upgrading your XP system hardware.

Table 2 hardware upgrade considerations

When you want to upgrade or replace…	then…	and…
a hardware component on a Windows XP system,	your options are limited to hardware supported by hardware manufacturer's XP drivers,	you may need to update your: • system OS, and • UTEX software.
a hardware component on a Windows 7 system,	a range of options are open,	• a UTEX software upgrade may be required.

Software upgrades

When your system PC is running either Windows XP or Windows 7 and you want to upgrade your UTEX software, contact UTEX support for advice on available upgrades for your OS.

ⓘ   Read the Upgrade scenarios on page 2 before you contact UTEX support.

UTEX support subscriptions

UTEX Scientific will provide up to 15 hours of free remote support to clients in cases where:
- you have an active UTEX support subscription,
- the hardware in your original UTEX inspection system has not been altered, or upgraded,
- the operating system of your system PC has not been upgraded,
- UTEX software bugs have made inspection systems inoperable, or
- supported system hardware is inoperable.

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UTEX Upgrade Support continued…

Hardware / software upgrades

Table 3 shows possible system upgrades for XP hardware and software.

Table 3 Hardware & software upgrade matrix

When you are running this UTEX Software…	And you have support issues with…	Then these OS/ drivers options are available…	And this UTEX support is available…
Winspect 6	All hardware except: • Acquisition Logic digitizers, • Galil DMC 18x6 controllers	• Windows XP only	• Legacy support only to replace software lost due to hard drive failure.* • Contact UTEXContact UTEXContact UTEXContact UTEXContact UTEX
• Winspect 7.0 7.1 • Inspection Ware 7.0, 7.1	Gage Compuscope CS 12100, CS82G (and other models) digitizers,	• Gage Drivers v. 3.6 or 4.2 on Windows XP only.	• Digitizer updates to modern Acquisition Logic equivalents. • Contact UTEX
• Winspect 7.x • Inspection Ware 7.x	Acquisition Logic AL81004C, AL81G, AL 12200, AL12250, and AL8xGTe digitizers	• Legacy Com or Dot Net drivers on Windows XP, and • Dot Net Drivers for Windows 7 and later.	UTEX Support website for driver downloads: Acquisition Logic .NET Drivers
• Winspect 7.x • Inspection Ware 7.x	Galil DMC 18x0 Motion Controller	• Windows XP only	• Modern replacement for your motion controller. • Contact UTEX
• Winspect 7.x • Inspection Ware 7.x	Galil DMC 18x0 Motion Controller	• Windows XP only • Windows 7 (via Galil Tools)	• Quote to upgrade InspectionWare and Winspect 7.0 - 7.1 to version 7.2 or later. • Contact UTEX

* Winspect 6 software patches and troubleshooting are no longer available.

UTEX Upgrade Support continued…

UTEX Support links	Use these links to visit the UTEX Support website and obtain current drivers and updates for common system hardware. Acquisition Logic .NET Drivers for Winspect 6.xx Acquisition Logic .NET Drivers for InspectionWare up to v. 7.0.31 Acquisition Logic .NET Drivers for InspectionWare v. 7.0.31 to 7.1 Acquisition Logic .NET Drivers 2.3.24 for Winspect 7.1 and 7.2 and for InspectionWare v. 7.1 and 7.2 Acquisition Logic .NET2 Drivers 2.3.27 for InspectionWare
OS & hardware upgrade support	UTEX will provide paid support to clients in cases where system: • PC(s) have had the operating system upgraded from Windows XP to Windows 7®, and/or • hardware has been replaced with devices that are newer or different from those in the original system.
Purchasing support	• Phone/web support: $175 per hour to assist you with driver and software installations. Recommended only for customers with experienced in-house technical staff. • For onsite support call UTEX for a quote.
Hours of operation	The UTEX support team is available for phone and web meeting support from 9am to 5pm EST.
Contact UTEX	UTEX Scientific Instruments Inc. 2319 Dunwin Drive, Unit 8 Mississauga, Ontario, Canada L5L 1A3 Tel: 905-828-1313 or 1-800-663-8839 Fax: 905-828-0360 Email: sales-info@utex.com