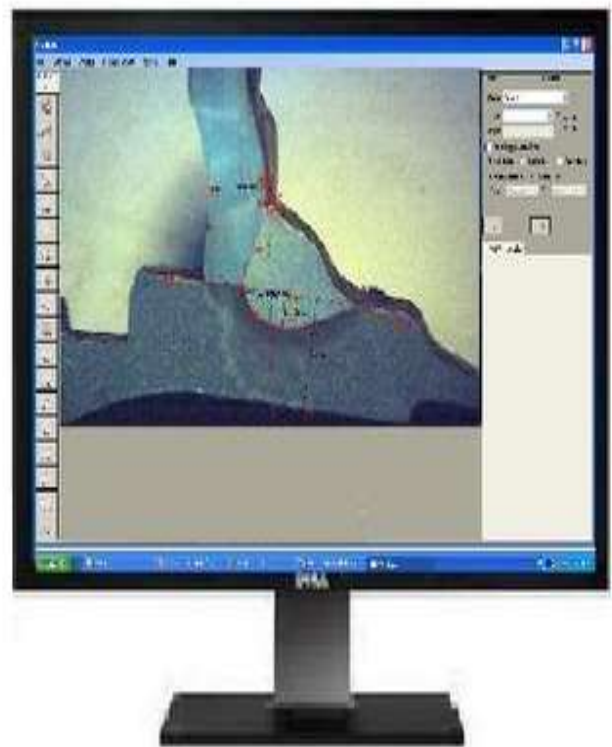


# Welding Penetration System

This is an advanced system of weld penetration inspection with a special design high-resolution microscope and USB digital microscopic camera to view and instantly capture a photograph and measure exact weld penetration depth in all type of weld samples with the help of user-friendly software. This system is used to measure all Two-dimensional measurements like length, distance, radius, diameter etc.



## TECHNICAL SPECIFICATIONS

<b>Model</b>	<b>WPS-7X</b>
<b>Magnification range</b>	7X to 45X
<b>Objectives zoom magnification</b>	0.7X~4.5X
<b>Eyepieces</b>	10X (FOV $\Phi$ 20MM)
<b>Illumination</b>	Transmitted light, Reflected light and Mixed-light illumination.
<b>Power Supply</b>	220 V 50Hz

<b>Software Feature</b>	
<b>Weld Penetration</b>	<ul style="list-style-type: none"> <li>• Penetration depth &amp; percentage</li> <li>• Leg measurement</li> <li>• Throat measurement</li> <li>• Thickness measurement</li> <li>• Can set tolerances for each parameter.</li> <li>• Automatic pass/fail status identification based on observed value and tolerances.</li> <li>• Can feed sample information in Report.</li> </ul>
<b>Dimensional Measurement</b>	<ul style="list-style-type: none"> <li>• Line</li> <li>• Length (Linear, Horizontal, Vertical)</li> <li>• Angle (two-line angle, three-line angle)</li> <li>• Distance ( two point)</li> <li>• Radius (three point)</li> <li>• Diameter (three point)</li> </ul>
<b>Report Generating</b>	PDF & M.S. Excel and Printout with Processed imaged and results.
<b>Calibration</b>	Calibrating through calibration scale.

<b>Camera Feature</b>
High-performance digital camera
Output: USB to connect with pc
Operating System: Suitable for all Windows operating systems
Easily inserted into the eyepiece tube of the microscope
Used for image demonstration and analysis/application.