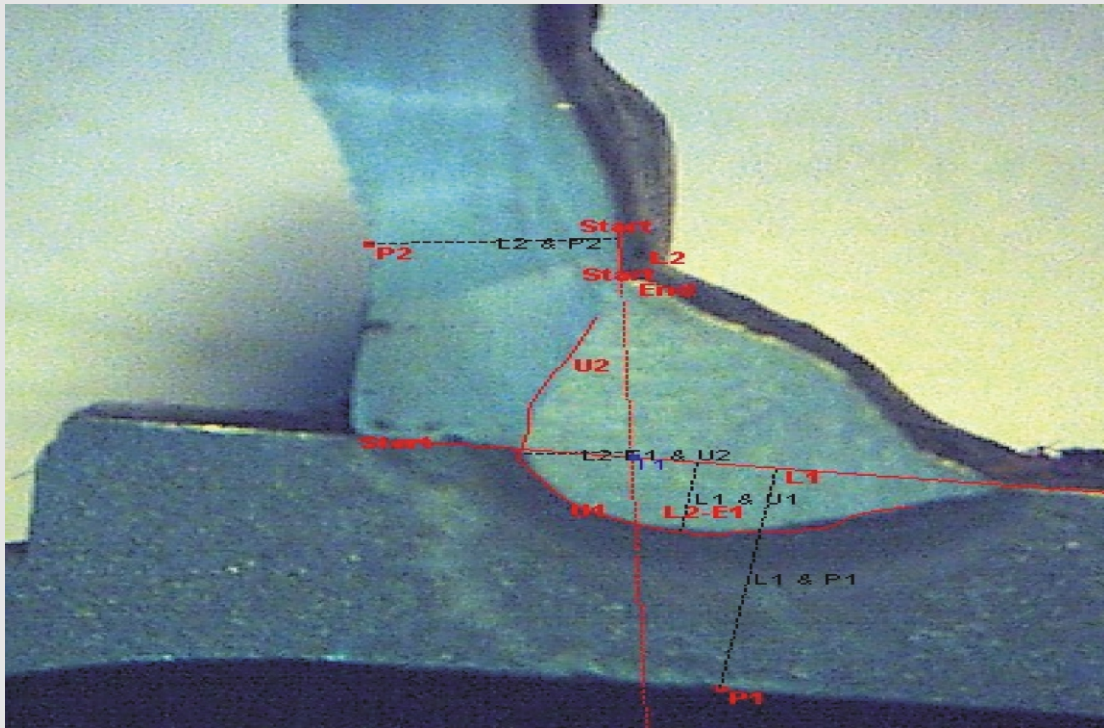




Advanced Welding Penetration Analysis System



WeldEYE® is a Windows based Advanced Imaging Application that delivers the most advanced solutions for checking the quality of welding. WeldEYE® is an advanced 2D measurement tool which can be used to measure all weld parameters on the cross section image, and report generation in PDF or Excel.

The whole system consists of:

1. Trinocular Stereo Zoom microscope
2. USB Camera
3. WeldEYE software

Some of the unique features of this system are:

- Customizable
- Automatic measurement after boundary definition
- User defined rules for data validation
- Reports in PDF and Excel
- History data
- SPC reports

System Features:

- Customizable:
 - User defined parameters, parameter types
 - Parameters can be derived from other parameters using user defined rules
 - User defined templates for Components and Joints with master images
 - User defined rules and pass criteria for measured data validation
 - System will give PASS/FAIL status automatically based on defined rules
 - Can use single system with custom templates for different customers
- Supports all 2D measurements like length, distance between, angle, radius, diameter, area
- Can measure all types of weld parameters on the cross section image
- Depth/Penetration calculation based on single point method or multiple point method
- Tools like Line, Circle, Arc, Point, Angle, Curve, Closed curve for boundary definition
- Menu driven measurement
- Supports automatic measurement after boundary definition
- Automatic edge detection for profile images
- Can save results with images and boundary definitions in the database for future reference
- Result with parameter name on the image Can be enabled or disabled
- Date and time on the image-Can be enabled or disabled
- User can add comments on the image
- Reports in PDF or Excel
- Component level and Joint level reports
- SPC reports



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