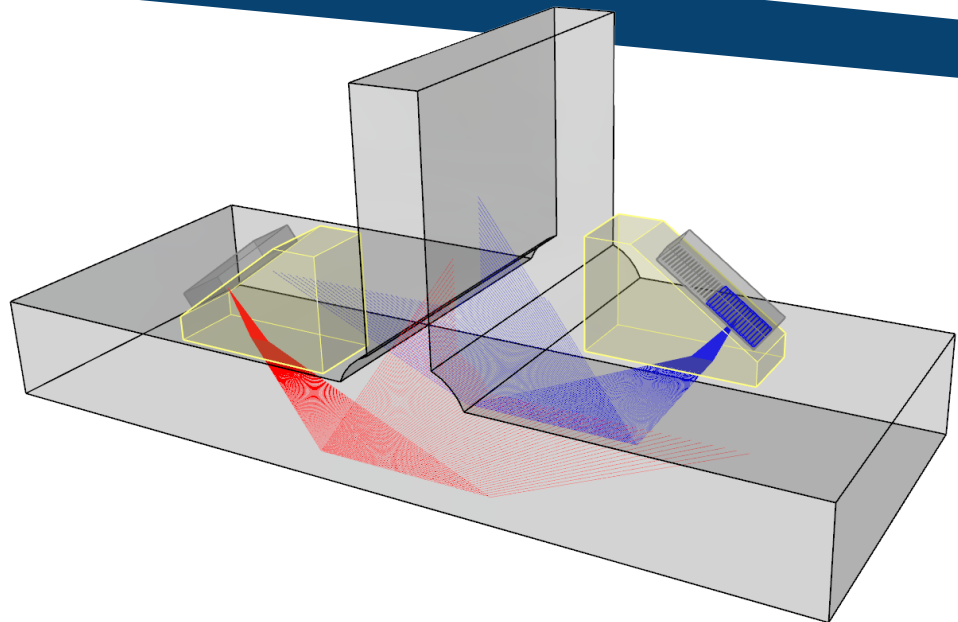




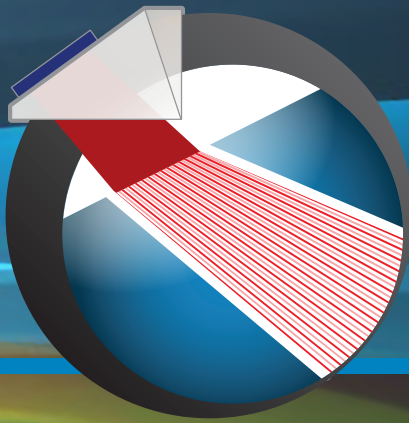
BEAMTOOL 6



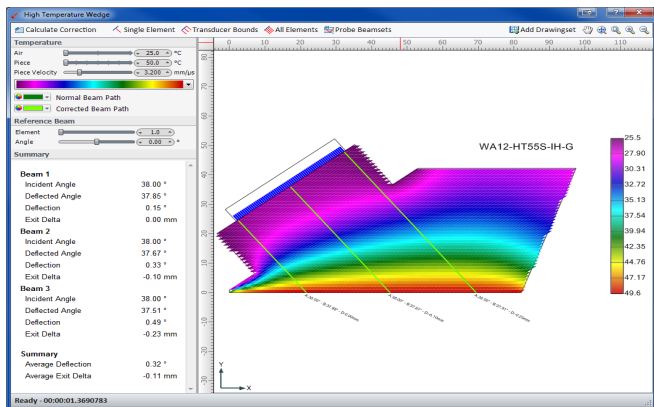
BeamTool is the world's most popular application for designing ultrasonic inspection plans. Successful inspections start with a plan and BeamTool makes it easy to model, validate and document your Phased Array, TOFD and Conventional Ultrasonic inspection plans with confidence.

Easy to use and powerful, BeamTool has continued to evolve and provide tools to improve proficiency and accuracy of ultrasonic inspections. From technicians in the field, to researchers and authors, BeamTool provides the indispensable toolset for the NDT industry.

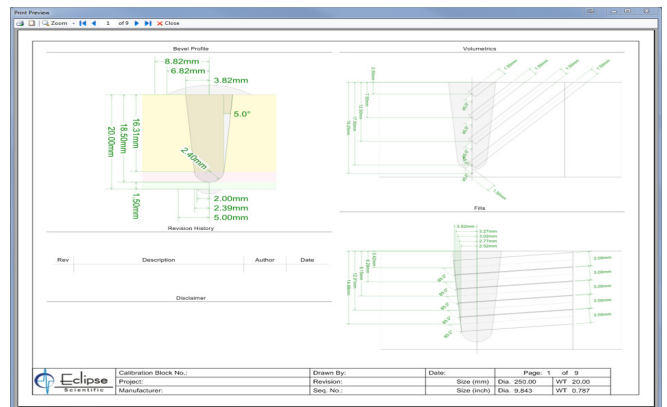
BeamTool 6 now offers powerful new ASME compliant calibration block design and drawing functions, support for emerging inspection technologies like FMC, improved visualization for training and communication, new advanced drawing tools and multiple drawing support and user interface improvements such as recent equipment and info tips and tons of other new features to make it easier than ever to get the job done.



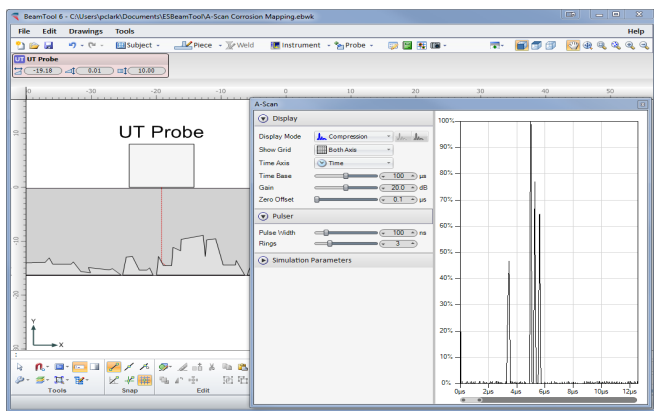
ES BEAMTOOL 6



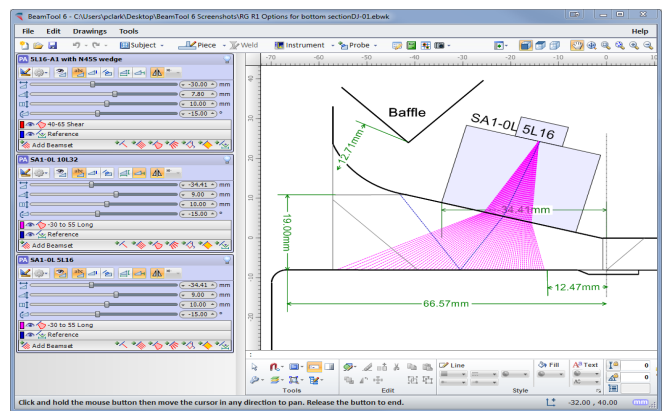
High Temperature



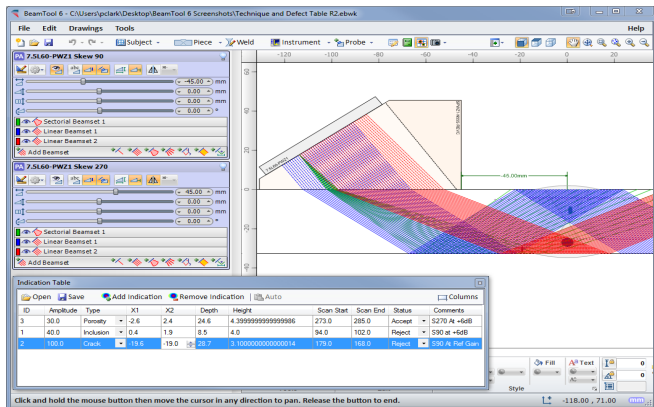
Zonal Calibration Block



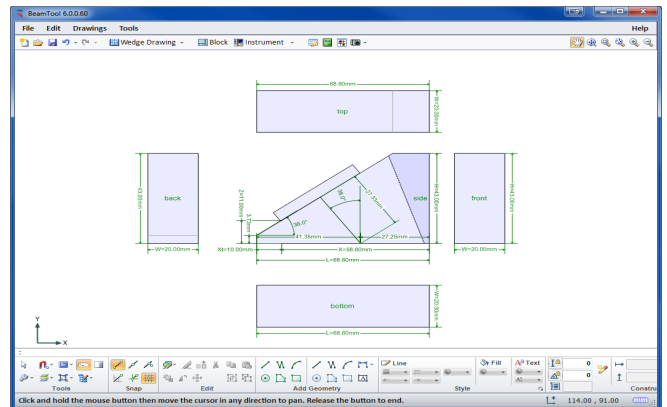
A Scan



Complex Piece Geometry

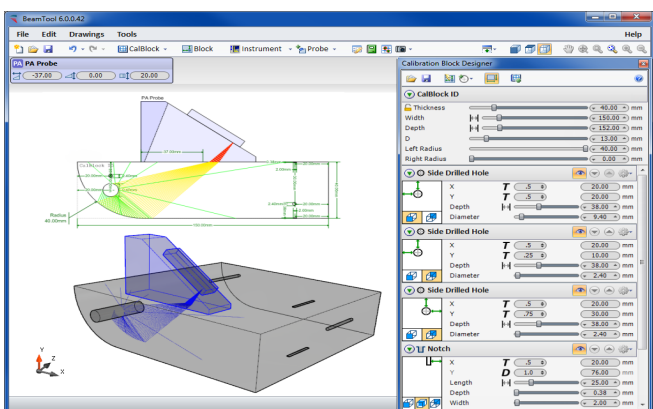


Defect/Indication Plotting

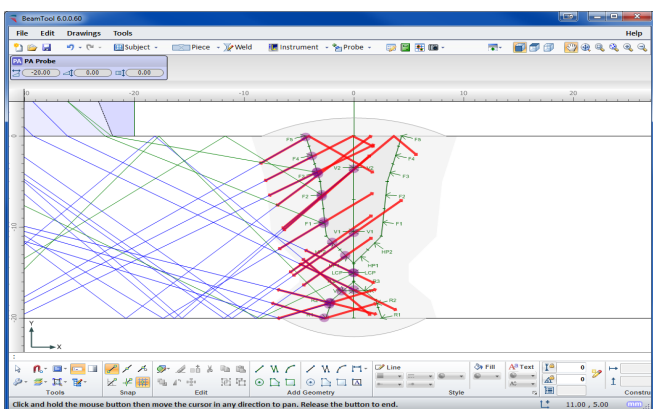


Wedge Drawings

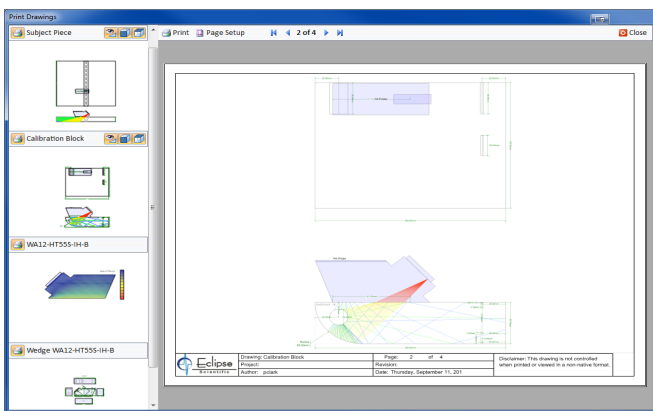
For the full list of new features visit:
www.eclipsescientific.com/BeamTool



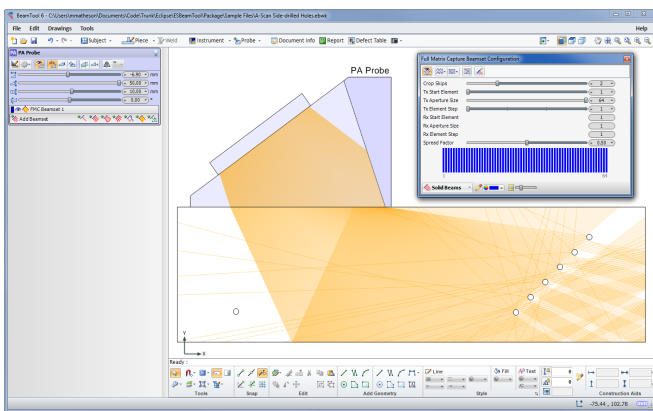
Calibration Block



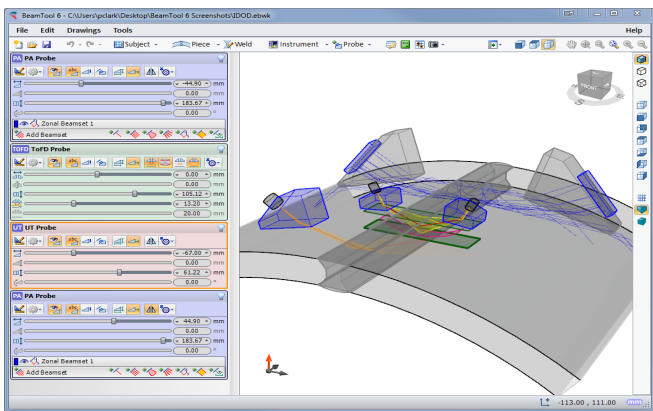
Zonal



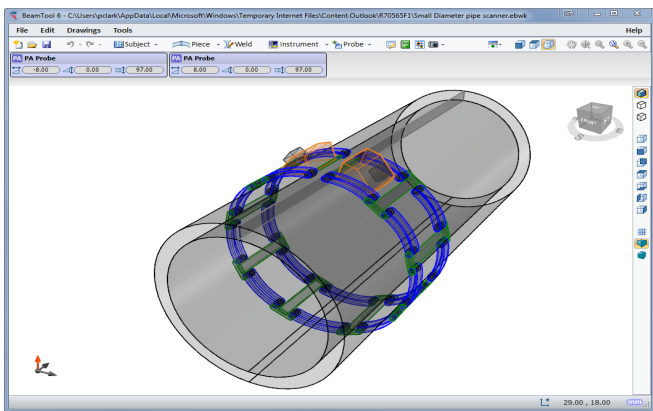
Advanced Printing



Full Matrix Capture Beamset

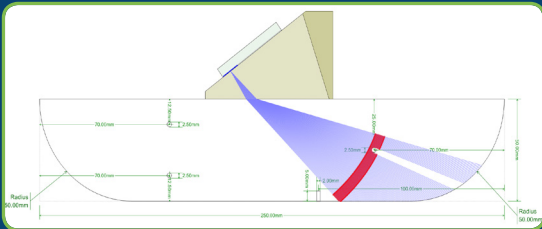


Multi-Discipline Techniques



3D Visualization

MODELLING & INSPECTION DESIGN FOR NDT



Defining what you are trying to inspect has never been easier from simple plate style inspection to curved subjects for axial or circumferential inspections, or something entirely custom. The Weld Editor comes with a huge list of predefined common weld types that can be customized to meet your specification, or you can build a custom weld with an easy building block approach.

Phased Array technique development is more complex than that for conventional ultrasonic inspection and as such requires effective tools to help define the inspection approach. BeamTool's innovative approach to phased array enables linear, sectorial, single and informative reference beams to be represented, helping to clearly convey and validate inspection coverage; probe position, and critical dimensions.

BeamTool integrates a powerful set of CAD tools that make it easy to draw custom pieces to develop a scan plan for your inspection no matter how complex the subject. A suite of different geometric types makes it easy to sketch your subject. The advanced CAD features ensure that your drawings are accurate to the millimeter. Images can be imported to trace over to help reproduce complex parts. CAD drawings in DXF and DWG can be converted to native BeamTool geometries allowing plans to be developed using existing drawings.

Once you have completed your inspection plan, BeamTool's simple yet powerful reporting will output important information like instrument configuration, probe setup, placement and beamset parameters to allow field operators to accurately configure their instruments to perform the inspection. BeamTool's reports include all the important parameters and helpful color illustrations to ensure an operator's success.

BeamTool's defect plotting feature lets you take information captured during an inspection and present it visually on top of your inspection plan. Clearly visualize position size and amplitude of indications along with the probes and beamset used to locate the indications.

BeamTool has a number of optional add-on modules to help you do even more.

- *A-Scan Simulation*: a great teaching tool that allows users to visualize a simulated A-Scan signal from BeamTool probes and workspace.
- *HighTemp*: allows users to visualize and correct for the lensing effect that is caused by temperature gradations within the wedge.
- *Zonal*: provides the industries most advanced zonal inspection solver engine for designing complex zonal inspections.
- *Zonal-CalBlock*: used with the zonal module to automatically generate machine shop ready calibration designs and drawings.



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