# *Not possible in reality, but easy with*

## TRAINDE UT

*The first virtual simulator for NDE inspectors*

*Efficiently training UT inspectors to perform manual UT inspections can be difficult… But smart tools can help!*
***TraiNDE UT** is a virtual mock-up with a database of experimental and simulated signals that reproduce real inspection conditions for numerous applications. Discover the benefits of TraiNDE UT in your NDE program.*
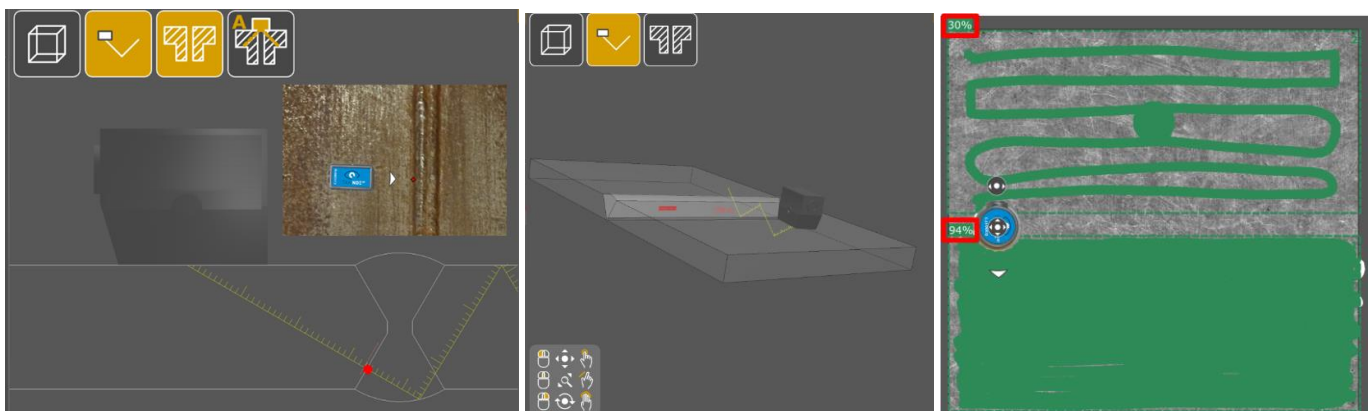
## Understand better to inspect smarter !

### *The training challenge*

Practicing Ultrasonic Testing helps develop an intuition about the physical phenomena involved, but it is not easy to "see" what is invisible: Where does the sound go? Where is the echo produced and why? Have you properly scanned the entire area? How close to the flaw and what orientation is needed for you to be able to catch it? How accurate is your sizing compared to the real flaw?

### *The benefits of using TraiNDE UT*

With TraiNDE UT, you can **see the invisible**: The **section view** shows the mean beam direction inside the component, the **ray tracing** illustrates potential beam reflections on a flaw or on the backwall, the **gate triggering** can be related to a position directly displayed in the section view and on the **top view**, the **probe path** can be drawn when using the **zone coverage** tools, the flaw can be displayed so that you can feel how sensitive the signal is to your actual probe position and skew. You can superimpose your marking of the flaw profile to **check your sizing** accuracy. A **3D view** synchronized with the section view helps orient yourself within the entire scene. Learning is enhanced!



All these tools should greatly help the inspector to better understand UT physics, improving their capability for detection and analysis during inspections.

*A visual and smart tool is better than lengthy explanations, practice with TraiNDE UT and you will get it!*

*Find all our application cases on: http://trainde.extende.com*