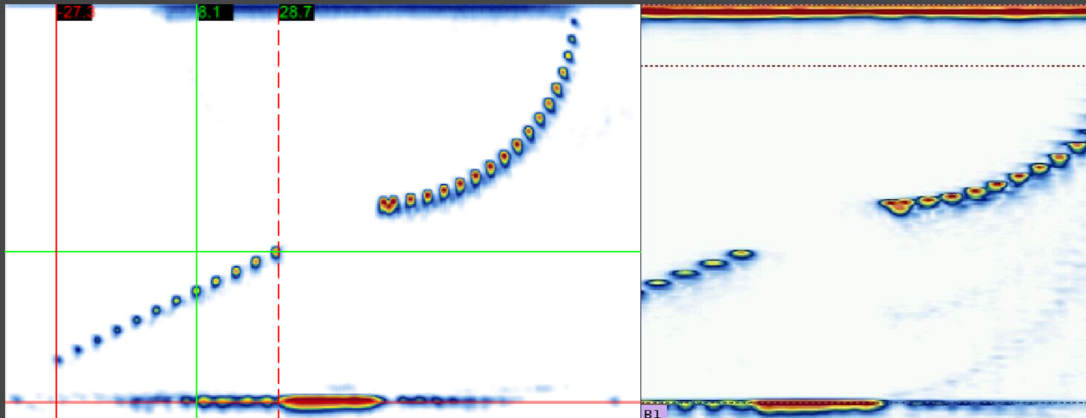


## NOVASCAN SOFTWARE FEATURES

### TFM/FMC MODULE

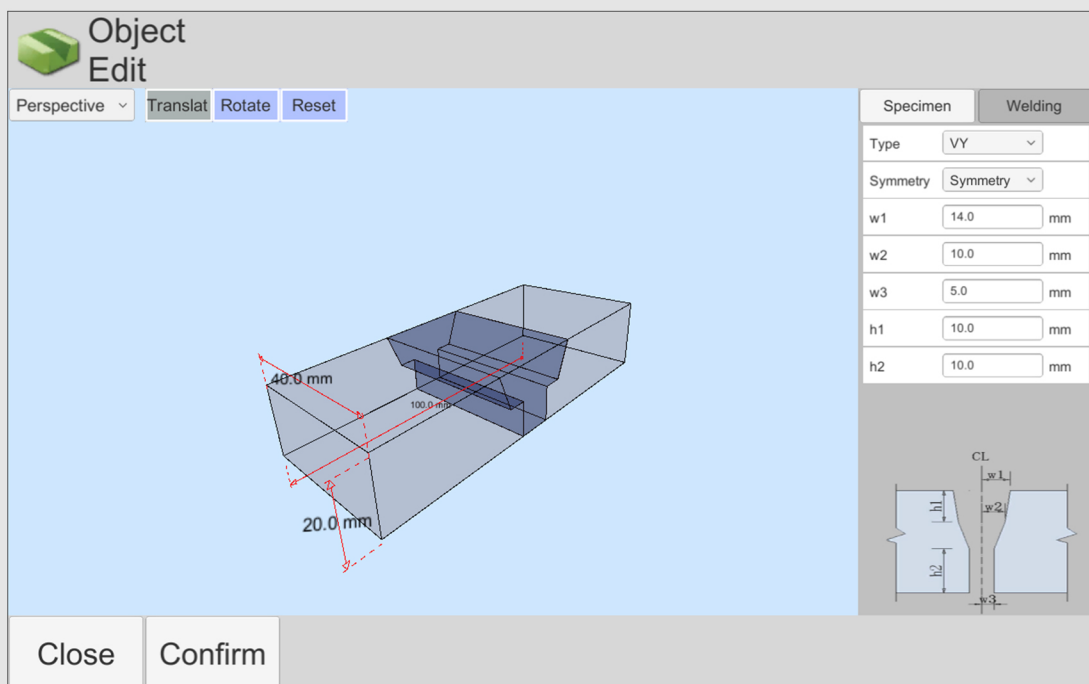
The NOVASCAN is equipped with TFM module, this module supports A, S, and C imaging, and adopts GPU parallel computing technology to achieve real-time TFM calculation and imaging of more than 1024 \* 1024 points.



TYPE B PHASED ARRAY BLOCK INSPECTION  
TFM (LEFT)    NORMAL PHASED ARRAY (RIGHT)

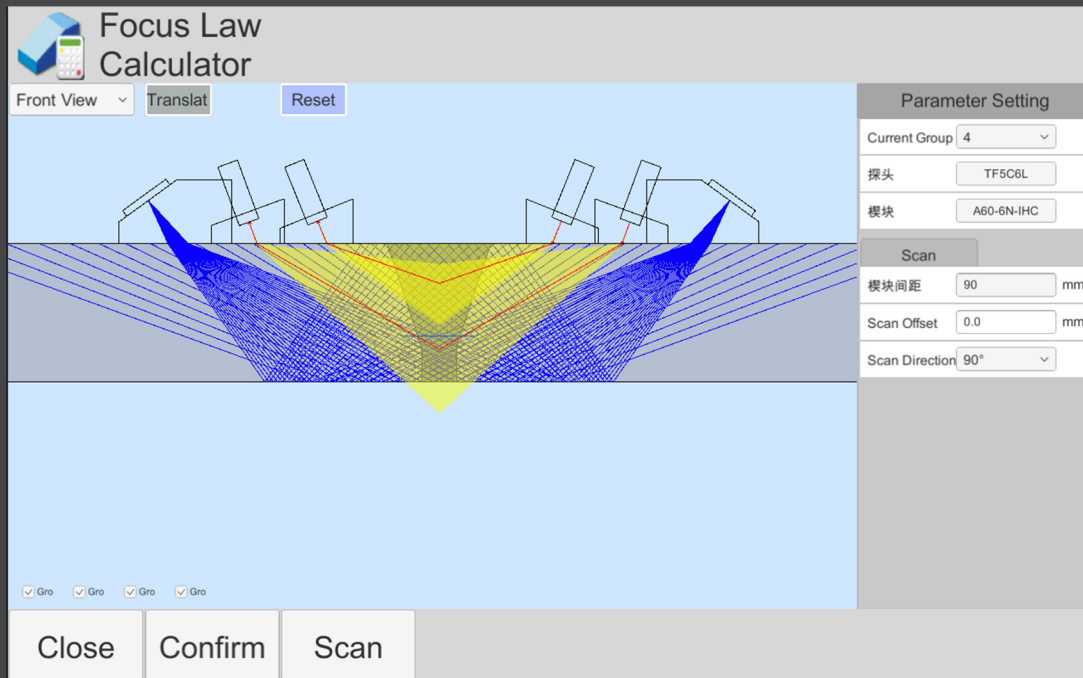
### COMPLETE WORKPIECE EDITING AND WELD SETTING

3D real-time simulation of the workpiece structure makes it closer to the real situation. The bevels are rich in types and basically cover several commonly used types.



## EMBEDDED PROCESS SIMULATION MODULE

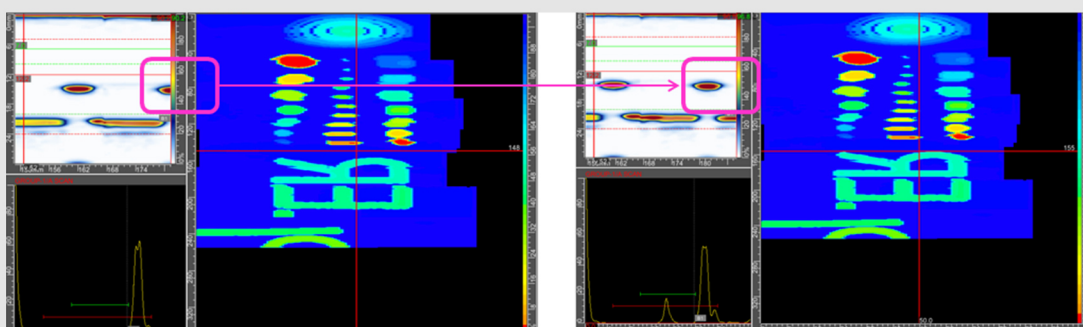
The software integrates focal law calculator, and multiple groups of focal laws can be simulated at the same time. It is more convenient to view the welding coverage and help optimize the process settings. Support TOFD coverage simulation.



FOCAL LAW CALCULATOR

## POWERFUL CORROSION DETECTION

This software supports high-speed two-dimensional scanning, which greatly improves the detection efficiency for large-area corrosion detection. It can intelligently screen the corrosion section and automatically calculate the corrosion area. Also, it has a unique cross-section reconstruction and fusion function, which can view any cross-section image and accurately display and measure boundary defects. It is of great significance for defect analysis and statistics.



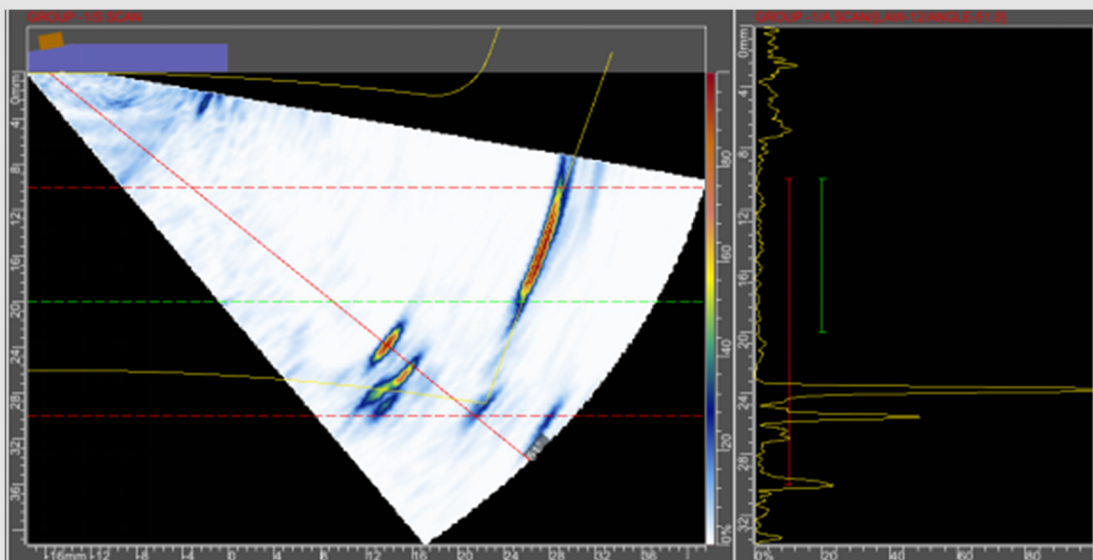
CROSS-SECTION RECONSTRUCTION AND FUSION

## DIVERSE GATE TYPES

Equipped with rectangular gate, linear gate, soundpath gate, and projection gate to remove interference signals and natural echoes, in order to generate pure C-scan images and greatly improve data evaluation efficiency.

## POWERFUL CORROSION DETECTION

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NOZZLE INSPECTION

## SCAN OFFSET CORRECTION

In the inspection of large-diameter oil pipeline welds or other conditions, due to the scanner assembly, personnel operation, or deviation of the workpiece itself, it is inevitable that the position of the probe will deviate from the predetermined position during scanning. This software has developed an intelligent function for this problem, which can help to modify the step or depth value of the data to avoid false defects or data missing, greatly improve the detection accuracy.

