SORPAS® 3D Release Notes

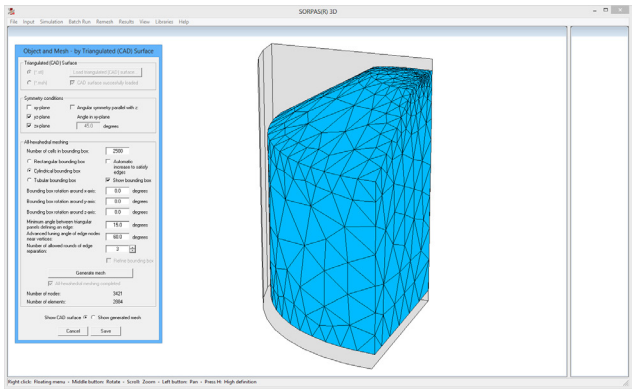
Version 3.0 ***Released on 1 September 2013***

3D Simulation of Resistance Welding made easy for Welding Engineers!

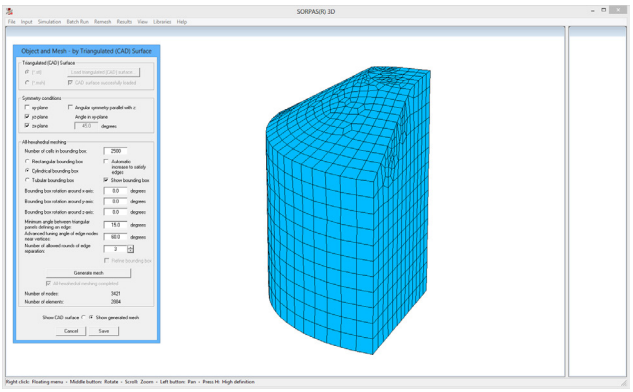
SORPAS® 3D is now released after several years heavy research and developments. With the easy-to-use Input Wizard for building 3D models and defining process parameters, it is quick and easy to simulate complex and challenging applications of resistance welding.

It is now also possible to simulate the weld strength tests continuing from simulation of the welding process based on the simulated welding results with all in one simulation model.

*3D hexahedral mesh generation for objects imported from CAD in *.stl format*

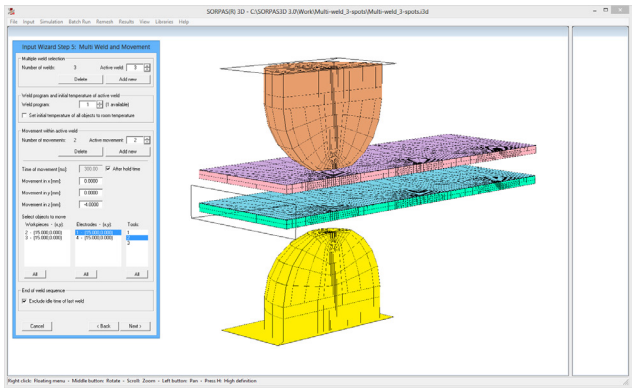


Imported 3D object from CAD in *.stl format.

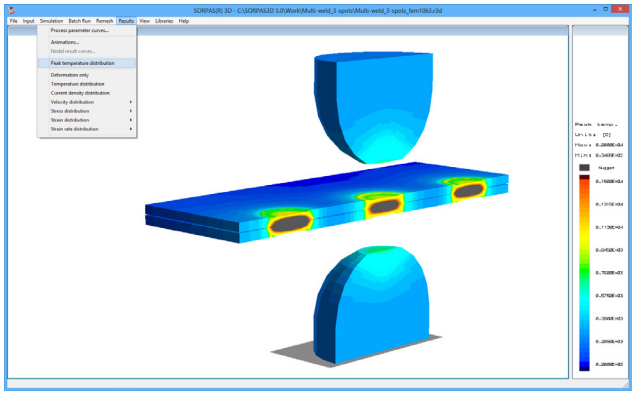


Hexahedral mesh generated in SORPAS® 3D.

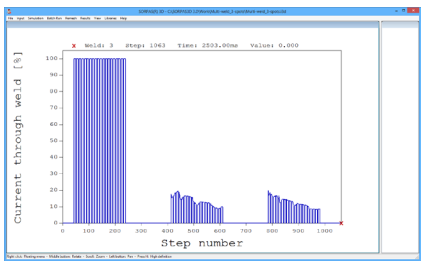
3D simulation for mutiple spot welding of 3 welds with shunt effect



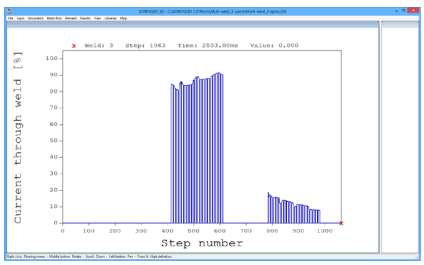
3D model for simulation of 3 spot welds.



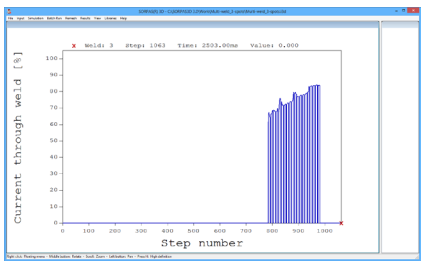
3D simulation results for spot welding of 3 welds.



Current through the1st weld.

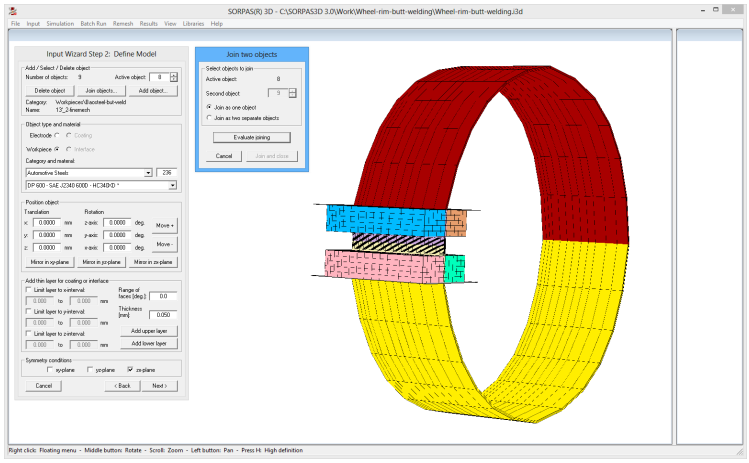


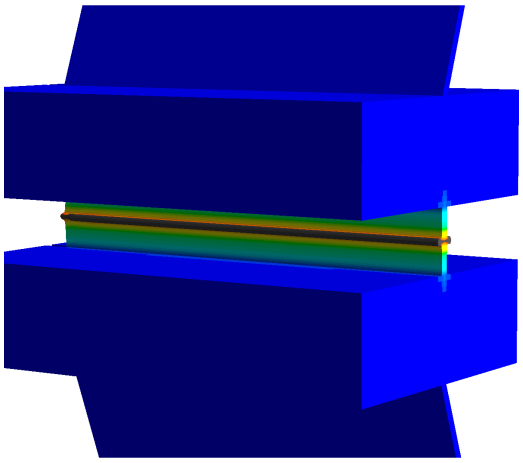
Current through the 2nd weld.



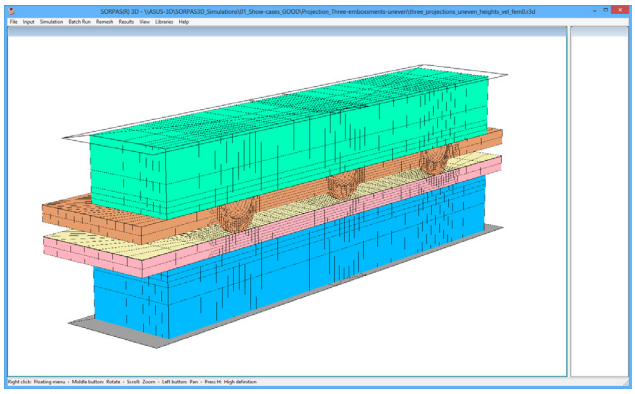
Current through the 3rd weld.

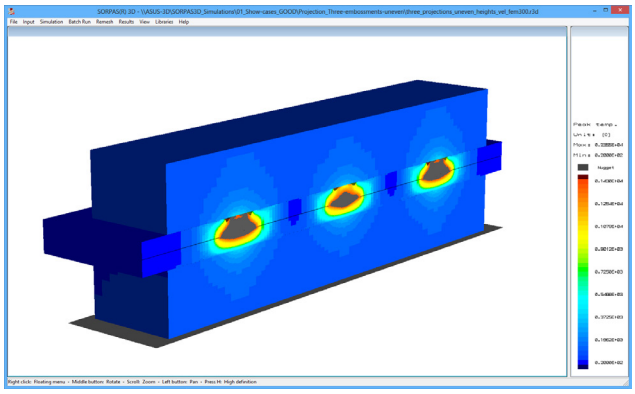
3D simulation of wheel rim butt welding



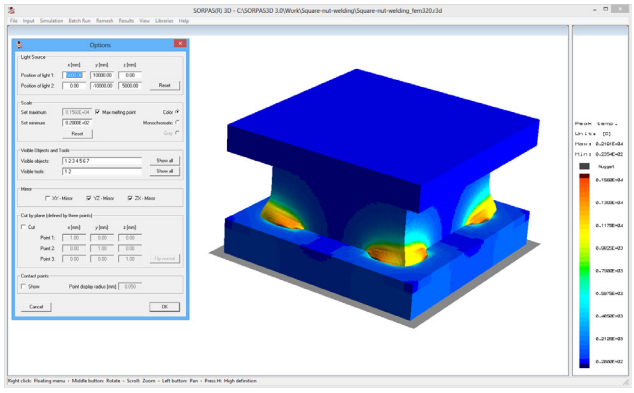


3D simulation of projection welding with 3 embossments of uneven height

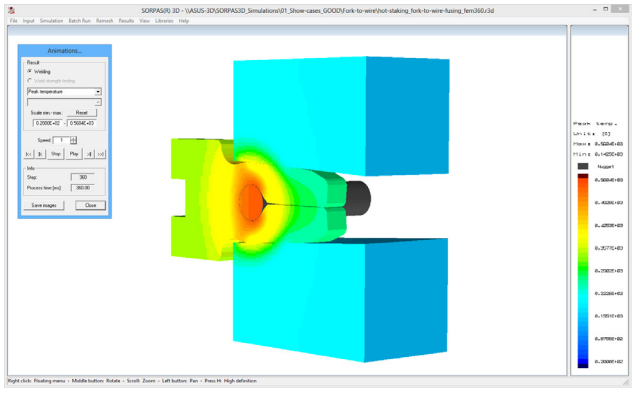




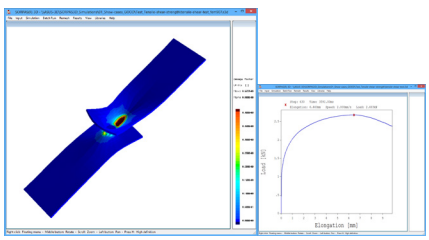
3D simulation of square nut welding



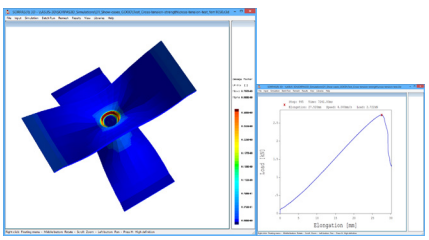
3D simulation of micro welding



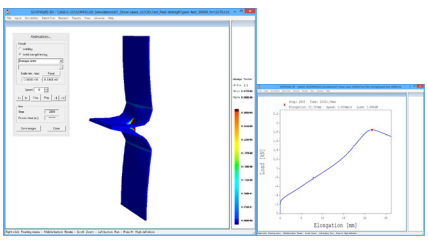
3D simulation of weld strength tests continuing from welding process simulation



Tensile shear test and load curve.



Cross tension test and load curve.



Peel test and load curve.