

Simülasyon Destekli İmalat Prosesi Analizleri Makaleler

Kaynaklı Birleştirme

2025 - BTU-Goldak Heat Source Parameters in Tandem Plasma Transferred Arc Process Using FEA ([link](#))

2024 - Numerical and experimental investigation of the effect of heat input on weld bead geometry and stresses in laser welding ([link](#))

2022 - Distortion simulation of gas metal arc welding (GMAW) processes for automotive body assembly([link](#))

2020 - Thermo-Mechanical Simulation of Hybrid Welding of DPAISI 316 and TWIPAISI 316 Dissimilar Weld ([link](#))

2020 - A fully coupled thermo-mechanical numerical modelling of the refill friction stir spot welding process in Alclad 7075-T6 aluminium alloy sheets ([link](#))

2020 - FE-Simulation Of Rotary Friction Welding Process Considering Thermomechanical-Metallurgical Coupling ([link](#))

2020 - Fraunhofer - Liquid Metal Embrittlement Study ([link](#) / [pdf download link](#))

2020 - Effect of different welding parameters on residual stress and deformation of 20 0Cr18Ni9 dissimilar metal arc welding joint ([link](#))

2020 - Multi-objective topology optimization of deep drawing dissimilar tailor laser welded blanks; experimental and finite element investigation ([link](#))

2020 - Investigation on Welded T-Joint Distortion Using Virtual Manufacturing ([link](#))

2020 - Steel Sheets Laser Lap Joint Welding ([link](#))

2020 - Analysis of distortion of coupled process forming to welding using fembased virtual manufacturing with experimental verification ([link](#))

2020 - Numerical Simulation of Bonding Spot Welding of Steel and Aluminum Door Cover Parts Considering the Thickness of Hemming Adhesive ([link](#))

2019 - Deformation behavior of high-strength steel rivets for self-piercing riveting applications ([link](#))

2019 - FEM-based virtual manufacturing for deformation analysis of coupled welding-forming process ([link](#))

2019 - Development of a Friction Welded Joint for Future Industrial Application ([link](#))

2019 - Investigation Of Laser Metal Deposition Method By Finite Element Analysis: Laser Speed Effect On Thin Walled Geometry Building ([link](#))

2019 - Study of the drawing process in a step-wedge dies ([link](#))

2019 - Fraunhofer - Modelling Resistance Spot Welding of AHSS - AHSS Insights ([link](#))

2019 - Investigation On Forming–Welding Process Chain For DC04 Tube ([link](#))

2019 - Investigating the Thermal Properties of Carbon Steel STKM13a ([link](#))

2019 - Investigation of Distortion, Stress and Temperature Distribution during Assembly of the Suspension System of a Rail Car ([link](#))

2019 - Experimental and Numerical Simulation on Laser welding of High Manganese TWIP 980 Steel ([link](#))

2019 - Application of FEM simulation method in area of the dynamics of cooling AHSS steel with a complex hybrid welding process ([link](#))

2018 - A Reinforcement Learning Based ([link](#))

2018 - Analysis of Weld Induced Distortion of Butt Joint using Simulation and Experimental Study ([link](#))

2018 - Research on Teaching of Arc Welding Robot based on Simufact Welding Simulation ([link](#))

2018 - Verification of Properties of Joints Made of Advances High Strength Steels in the Conditions of the Complex Thermal Cycles of the HPAW Process ([link](#))

2018 - In-Situ Distortions In LMD Additive Manufacturing Walls Can Be Measured With Digital Image Correlation And Predicted Using Numerical Simulations ([link](#))

2017 - Experimental and Numerical Investigation of an Overheated Aluminum DropletWetting a Zinc-Coated Steel Surface ([link](#))

2017 - Modeling Of Welding Distortions And Flame Straightening Deformations ([link](#))

2017 - Study on Fiber Laser Welding of AA6061-T6 Samples through ([link](#))

2017 - Modeling Of Welding Distortions And Flame Straightening Deformations ([link](#))

2017 - HAMK Metnet Cottbus ([link](#))

2016 - Andud et al. - Simulation Study of Welding Distortion on Multi pass Welding of the Fillet Joint ([link](#))

2016 - An Elitism Based Genetic Algorithm for Welding ([link](#))

2015 - Welding Simulation in Car Body Construction ([link](#))

2014 - Simufact Welding - A Virtual Weld ([link](#))

2011 - Approach to Assess a Fast Welding Simulation in an Industrial Environment - Application for an Automotive Welded Part ([link](#))