

# SIMULATION INFO SHEET

## SIMUFACT.WELDING

(Please modify where needed to fit description of your process)

**After completion, fax or e-mail to:**

- Fax (866) 899-8386
- E-mail [engineering@simufact-americas.com](mailto:engineering@simufact-americas.com)

**Company Name** .....

- **Address** .....
- **City** .....
- **State & ZIP** .....
- **Country** .....

**Contact Name** .....

- **Email** .....
- **Tel.** .....
- **Fax** .....

**Part Name** .....

**Part Description** .....

**Please define specific aspects which need detailed investigation**  
*(Product defects (distortion, residual stress, temperature, etc.), tool variations, process variables, etc.)*

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**Reference data**  
*(Pictures, measurements, simulation results, etc.)*

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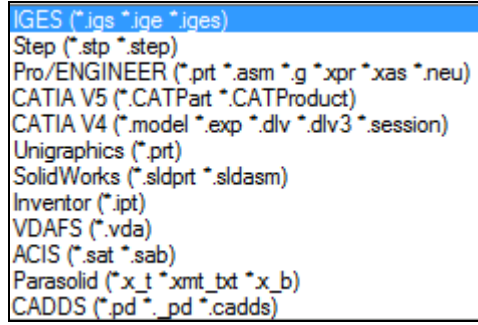
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CAD geometry

Please provide the CAD geometry for the parts and fixture/tooling in one of the following formats:

- STL
- Native CAD files:



- MSC.Nastran BDF

Type of Welding Process

Arc

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Laser

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Other

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Components

a) **Material Alloy number** (AISI/SAE, ASTM, DIN, JIS, CDA,....)

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Welding Wire

a) **Material Alloy number** (AISI/SAE, ASTM, DIN, JIS, CDA,....)

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Fixture / Tooling

a) **For each fixture/tool that contacts the part, prescribe the motion & force/spring control**

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**Robots & Weld paths**

a) **Number of Welding Robots**

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b) **For each Robot, how many weld paths & in what sequence**

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c) **For each weld path, define welding parameters:**

- **Velocity** (m/s)
- **Current** (A)
- **Voltage** (V)
- **Efficiency** [0-1]

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