



Firstweld™ Simulation Request Form

Huys Industries Ltd. 175 Toryork Drive, Unit #35. Weston, Ontario, M9L 1X9

Phone: 416-747-1611 Fax: 416-747-7171 E-mail: sales@huysindustries.com

Name: _____ Company: _____

Spot Welding

Email: _____

Projection/ Other Resistance Welding

Geometry and Materials Data

Worksheets: Number of Sheets: _____

Sheet 1: Thickness: _____ Surface Coating (weight): _____ Coating Type: _____

Sheet Material (provide composition if possible): _____

Sheet 2: Thickness: _____ Surface Coating (weight): _____ Coating Type: _____

Sheet Material (provide composition if possible): _____

Sheet 3: Thickness: _____ Surface Coating (weight): _____ Coating Type: _____

Sheet Material (provide composition if possible): _____

Electrodes:

Top: Part Number or Geometry (ex. A-nose): _____ Weld Face Diameter: _____

Electrode Material (Class I, Class II, etc.): _____

Bottom: Part Number or Geometry (ex. A-nose): _____ Weld Face Diameter: _____

Same as Top: Electrode Material (Class I, Class II, etc.): _____

Machine Settings and Weld Parameters

Welder Setup: AC: DC: kVA: _____

Welding Parameters: Force: _____ (lbf / kN) Squeeze time: _____ (ms/cyc) Hold time: _____ (ms/cyc)

Current Profile:	Upslope (ms/cyc)	Weld (ms/cyc)	Downslope (ms/cyc)	Cool (ms/cyc)	Current (kA)
Pulse 1:	_____	_____	_____	_____	_____
Number of Pulses:	_____	_____	_____	_____	_____

Simulation Type: Single Simulation Optimization: Weld Current/Time Window Range: _____
 Nugget Size: _____