

Complete Plant Project Worksheet

Date: _____

Customer Information

Foundry Name: _____ Preferred Language: _____

Foundry Contact: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Phone: _____ Email: _____

Website: _____

Place of Installation: _____

Project Objective

Plant Conditions

Metal Poured:	<input type="checkbox"/> Aluminum <input type="checkbox"/> Copper <input type="checkbox"/> Ferrous <input type="checkbox"/> Other			
Molding Machines:	Number of Machines Fed by Muller: 1: Mold Size: x x / Molds per hour (max): 2: Mold Size: x x / Molds per hour (max): Sand Temp at Muller <input type="checkbox"/> °F <input type="checkbox"/> °C			
Existing Machines:	Serial Number	Keep	Replace	Add
	Muller:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Controller:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Bond Dosing:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Number of Additives			
Optional:	Remote HMI <input type="checkbox"/> Distribution: Number of Hoppers			

Used sand qualities after Shake-Out

Sand temperature: _____ ☐ C ☐ F

Moisture: _____ %

Grain size: _____

Bulk density: _____

Flow rate constant ☐ Yes ☐ No

Please describe Peak flow rates

Use of chill iron: _____

Plant equipment

Dimensions of the sand plant (length x width x height): _____

Roof extensions, pits, placement outside possible

Motor voltage and frequency: _____

Ambient temperature max-min: _____ ☐ C ☐ F

Interfaces sand plant: _____

Plant elevation (over sea level): _____ ☐ Meters ☐ Feet

How many overbelt magnets (typical 2): ☐ 0 ☐ 1 ☐ 2 ☐ 3

Magnetic drum in front of the bucket elevator ☐ Yes ☐ No

NE-separator ☐ Yes ☐ No

Divert partial flow, for separating small foreign parts?: _____

Mesh size polygonal screen typical 12 x 12mm: _____

Binder dosing in the cooler ☐ Yes ☐ No

Bypass cooler ☐ Yes ☐ No

Desired swelling time (typically 1.5 to 2 hours depending on bentonite type): _____

Waste sand in hopper or truck ☐ Yes ☐ No ☐ or without sand discharge?

Bond dosing number of additives (data sheet of the additives):

Dosing quantity of the additives: _____

Day hopper or 50m silos for binder: _____

What type of mixer ☐ Mix-Muller ☐ Speedmullor ☐ Multi Mull

Pre-mixing of Sand additives desired?

New sand dosing via mixer hopper or pneumatic conveyor (90MK2-5): _____

Conveyor aerator in the prepared sand (Typically Yes): _____

Drawings molding plant and hall available:

Existing machines Take over List with performance data

(Conveyor belts, hoppers, shake out, Dust exhaust system or bucket elevator):

Desired delivery date: _____

Special requirements:

RETURN TO:

SIMPSON

2135 City Gate Lane Suite 500
Naperville, IL 60563

Or email: sales@simpsongroup.com or your local representative