SIMPSON
A Norican Technology

Complete Plant Project Worksheet

Date:

Customer Information

Customer Name: _____ Preferred Language: _____

Company Contact: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Phone: _____ Email: _____

Website: _____

Place of Installation: _____

Project Objective

Plant Conditions

Metal Poured:	☐ Aluminum ☐ Copper ☐ Ferrous ☐ 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 ☐ °F ☐ °C

Existing Machines:	Serial Number	Keep	Replace	Add
	Muller:	☐	☐	☐
	Controller:	☐	☐	☐
	Bond Dosing:	☐	☐	☐
	Number of Additives			

Optional:	Remote HMI ☐ Distribution: Number of Hoppers

RETURN TO: SIMPSON
2135 City Gate Lane Suite 500, Naperville, IL 60563
Or email: sales.us@simpsongroup.com or your local representative

Thomas-Eßer-Str. 86
D - 53879 Euskirchen
email: sales.de@simpsongroup.com

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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: _____

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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

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Plant equipment

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: _____

_____

_____

_____