FIELD ANALYSIS REPORT

THIS REPORT MUST BE COMPLETELY FILLED OUT

HOUGEN MANUFACTURING, INC.
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_____ DRILLING APPLICATION

DATE: _____ SUBMITTED BY: _____

AGENT / DISTRIBUTOR

Distributor Name: _____

Contact – Name – Title: _____

Telephone: ( ) _____ Fax: ( ) _____

Distributor Email: _____

Hougen Rep.: _____ Telephone: ( ) _____

END USER

Company Name: _____

Contact – Name – Title: _____

Company Address: _____

End User Telephone: ( ) _____ Fax: ( ) _____

End User Email: _____

USE

Estimated Holes Per Year: _____ Estimated Order Quantity: _____(Min. 3 piece order Required)

APPLICATION

MATERIAL	THRU HOLE	GROOVE
Type: _____	Hole Diameter: _____	Outer Diameter: _____
Grade: _____	Hole Tolerance: _____	Inner Diameter: _____
Hardness: Rc:_____ Bhn:_____	Finish Required: _____	Tolerance: Outer_____ Inner_____
Thickness: _____ (List all plate thicknesses, etc.)	Note: Average Finish Produced By Cutter is Approximately = 125 Ra	
Condition: _____ (Painted, Rust, etc.)	Tolerance and finish varies due to rigidity of machine, speeds/feeds, etc.	

PLEASE CHECK ALL THAT APPLY AND PROVIDE ANY ADDITIONAL INFORMATION

Stack Cut: _____ (If checked list total thickness)_____ Interrupted Cut: _____

Angled Entry: _____ (If checked note Angle) _____° Curved Surface (Pipe, Tubing, etc.): _____

MACHINE

Machine Make and Model:_____

Tool Holder Style & Size (Morse Taper #, Cat #, NMTB, Etc.) _____

Vertical Machine:_____ Horizontal Machine:_____ Feed Rates Available:_____

Please attach horsepower curve. If horsepower curve is not available provide HORSEPOWER @ specific low and high rpm's:

HORSEPOWER_____ @ low rpm HORSEPOWER _____@ High rpm

RPM Range Available:_____ Spindle Accuracy in .000"_____

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COOLANT	Thru Tool (preferred): _____ Thru Spindle: _____ Flood: _____ Other: _____ Constant Pressure: _____PSI Volume: _____GPM Type (Oil, Water Soluble, etc.): _____
CURRENT CONDITIONS	Tool: _____ Feed Rate: _____ RPM: _____ Cycle Time: _____ Tool Life: _____ Current Problems: _____
SUCCESS CRITERIA	What is the minimum success criteria required for the user to change to our tooling? Increase in Feed Rate To: _____ Increase in Tool Life To: _____ Improve Finish To: _____ Decrease in Cycle Time To: _____ Additional Comments: _____ _____

PLEASE PROVIDE ALL AVAILABLE SUPPLEMENTARY DATA, INCLUDING: DRAWINGS, SKETCHES, PICTURES, ETC.

SKETCH AREA