Metalforming Controls

Metalforming Controls Corp.
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Dear Customer,

The Force Modulator™ System offered by Metalforming Controls Corp. is a leading edge technology that provides benefits and opportunities not available with other blank holding systems.

These benefits include reduced or eliminated shock to the press on the down stroke and upstroke. Opportunities include variable force control to optimize the draw part quality and minimize metal strain issues, hold on bottom, slowed rate of return, and an excellent LCC.

We have created this Engineering Quotation Request Form in order to concisely quote to the parameters you specify. We as stampers know that time spent in up-front engineering always pays dividends later. Please take the time to consider and answer all the questions. **Some questions are MANDATORY and are so indicated. We can not enter your request into the system without the answers to these questions.** This information will be used to tailor the system to meet your requirements. The last sheet asks questions pertaining to the R & M Life Cycle Cost Analysis that is particular to your application.

Thank you,

Metalforming Controls Corporation

MCC ENGINEERING REQUEST FORM

MCC Project Number_____ Project Description_____

Date _____ Date Quote Due_____

Primary Contact Name_____

Company _____ Contact Title_____

Address1 _____ Email:_____

Address2 _____ Phone_____ Fax_____

City _____ State____ Zip_____ Referred By_____

DIE PROCESS / STAMPING PARAMETERS

Die ID_____

Part ID_____

Die Type: ☐New or ☐Retrofit?

Die Drawing Provided? ☐Yes ☐No

Can Ribs Be Machined? ☐Yes ☐No

Increase Load/Pass Height? ☐Yes ☐No Amount_____

Total Force Modulator™ System Tonnage Required_____ *(MANDATORY)*

No. Cylinders Req'd_____ *(MANDATORY)*

Tonnage per Cylinder____ *(MANDATORY)*

Cylinder Stroke (in)_____

Working Stroke (in) _____ (*MANDATORY)*

Weight of Binder (lbs) _____

Requested Tonnage Profile: ☐Constant ☐Increase ☐Decrease ☐Custom (Provide specifications)

Type of Cylinder Mount? ☐Foot ☐Flange (type_____)

☐Manifold (type_____) ☐other (_____)

Are You Replacing An Existing Cylinder System? *(MANDATORY)*

☐Yes (specify_____) ☐No

Desired Press Speed (Strokes per Minute) _____ (*MANDATORY)*

Planned production rate (Given as parts per minute) _____ (*MANDATORY)*

Will there be Force Modulator™ Cylinders in Upper Die ☐Yes ☐No (*MANDATORY)*

Will there be nitrogen cylinders in Upper Die ☐Yes ☐No (*MANDATORY)*

FORCE MODULATOR™ SYSTEM OPTIONS (*MANDATORY)*

☐ MC2 Supervise Install on Site ☐ MC2 Install

☐ Hold on Bottom ☐ TF Start-Up Assembly

PRESS INFORMATION (COMPLETE FOR EACH PRESS TO RUN DIE):

HOME PRESS

Press Mfr_____ Press Model_____ Press Serial_____

Press Tonnage_____ Press Type_____ Press ID (Line, Location)_____

Mechanical Press ☐Yes ☐No (*MANDATORY)* Transfer Press ☐Yes ☐No *(MANDATORY)*

Press Stroke_____ *(MANDATORY)* Speed Range_____

Optimum Speed_____ *(MANDATORY)*

Multi-speed Clutch? ☐Yes ☐No Link Drive? ☐Yes ☐No *(MANDATORY)*

Velocity Curve Provided? ☐Yes ☐No

Existing Press Issues:_____

_____

PRESS INFORMATION ALTERNATE 1

Press Mfr_____ Press Model_____ Press Serial_____

Press Tonnage_____ Press Type_____ Press ID (Line, Location)_____

Press Stroke_____ Speed Range_____ Optimum Speed_____

Multi-speed Clutch? ☐Yes ☐No Link Drive? ☐Yes ☐No Velocity Curve Provided? ☐Yes ☐No

Existing Press Issues:_____

_____

PRESS INFORMATION ALTERNATE 2

Press Mfr_____ Press Model_____ Press Serial_____

Press Tonnage_____ Press Type_____ Press ID (Line, Location)_____

Press Stroke_____ Speed Range_____ Optimum Speed_____

Multi-speed Clutch? ☐Yes ☐No Link Drive? ☐Yes ☐No Velocity Curve Provided? ☐Yes ☐No

Existing Press Issues:_____

_____

Optional Information if Available

OTHER PROJECT CONTACTS:	NAME	COMPANY/DIVISION	PHONE
Die Processor			
Die Designer			
Product Designer			
Soft Tool			
Plant Contact			
Die Construction			
Die Tryout			
Other			

Please provide the following information for a correct Life Cycle Cost Analysis

Equipment Parameters

Production Rate per hour----------_____

Total hours worked per week----------_____

Total hours worked per year----------_____

Life of Die (in years)----------_____

Operation Costs (per hour)

Electricity----------_____

Air----------_____

Operators ----------_____

Other----------_____

Other----------_____

Other----------_____

Other----------_____

Down Time Costs

Repair technician hourly rate----------_____

General process downtime cost per hour----------_____