

SIMULATION INFO SHEET

SIMUFACT.FORMING

(Please modify where needed to fit description of your process)

After completion, fax or e-mail to:

- Fax (866) 899-8386
- E-mail engineering@simufact-americas.com

Company Name

- **Address**
- **City**
- **State & ZIP**
- **Country**

Contact Name

- **Email**
- **Tel.**
- **Fax**

Part Name

Part Description

Please define specific aspects which need detailed investigation
(Product defects (laps, under-fill, etc.), die variables, process variables, etc.)

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Reference data
(Pictures, measurements, simulation results, etc.)

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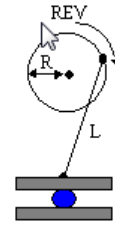
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Press characteristics

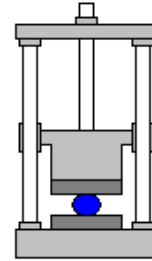
Crank Press

Crank Radius (R) (mm or in)
Rod Length (L) (mm or in)
Revolution (rotation/sec)
Max. Force (N or lbf)



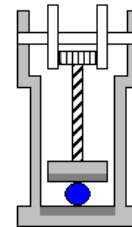
Hammer

Maximum Energy (Joule or ft.lbf)
Efficiency during stroke [0-1]
Mass (kg or lbs)
Counter Mass (kg or lbs)
Max. Force (N or lbf)
Number of Blows for each stage



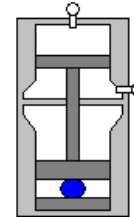
Screw Press

Gross Energy (Joule or ft.lbf)
Max Ram Speed (mm/s or in/s)
Efficiency during stroke [0-1]
Max. Force (N or lbf)



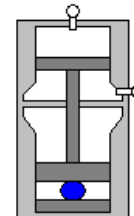
Hydraulic Press – Constant Speed

Velocity (mm/s or in/s)
Max. Force (N or lbf)



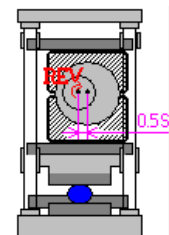
Hydraulic Press – Slow Down

Initial Velocity (mm/s or in/s)
End Velocity (mm/s or in/s)
Time (sec)
Max. Force (N or lbf)



Mechanical Press with Scotch Yoke drive

Maximum Stroke (S) (mm or in)
Revolution (rad/s or rotation/s)



[] Tabular Motion (Translation & Rotation)

In addition to defining a press, which will prescribe the motion of the upper and lower dies, it is possible to define the motion of each die individually by using a tabular format. For each die you want to control in this manner, fill out this form. It is also possible to provide the die motion in a separate text file.

Part Progressions

If available, provide images showing the **progression of the parts for each stage.**

Positioning

Provide images showing the **initial relative position of the billet and dies for each stage.**