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## Response form

Please return the questionnaire to:

**Fax: 734-207-7222**

If you have questions, we will be pleased to help you:

**Tel: 734-207-7200**

Your inquiry will be processed promptly.

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## Questionnaire for the area of forging

### 1. Information about the inquirer and company

Last name, first name	_____	Country	_____
Position	_____	Telephone	_____
Company	_____	Telefax	_____
Street address, P.O. Box	_____	eMail	_____
City, state, ZIP code	_____		
Line of business	_____		

### 2. Which type of press are you interested in?

- Eccentric press
- Link drive press
- Hydraulic press
- Transfer
- Other press type: \_\_\_\_\_

Operation:  manual  
 automated

### 3. What are the die sizes that the line must accommodate?

Dimensions/smallest part:	Diameter	_____	in
	Length	_____	in
Dimensions/largest part:	Diameter	_____	in
	Length	_____	in
Weight/smallest part:		_____	kg
Weight/largest part:		_____	kg
Maximum forming force of the workpiece:		_____	kN

# Questionnaire for the area of forging

## 4. For which forming method will the press/line be designed?

- Cold forming
- Warm forming
- Hot forming

## 5. Which materials will be processed?

- Steel - Re/Rm from/to: \_\_\_\_\_
- Aluminum
- Other materials: \_\_\_\_\_

## 6. What is the required production rate?

Parts per minute (excluding doubles) \_\_\_\_\_ ppm  
Number of changeover procedures \_\_\_\_\_ per hour  
Number of tool sets \_\_\_\_\_  
Annual production \_\_\_\_\_ parts at \_\_\_\_\_ shift(s) per day

## 7. Which die is to be quoted?

- Existing die, no quotation required
- Single dies
- Multi-station dies \_\_\_\_\_ % Station spacing: \_\_\_\_\_ in
- Trimming operations \_\_\_\_\_

## 8. Please list the following technical specifications:

### Press

Press capacity \_\_\_\_\_ kN  
Nominal force travel (for mech. Presses) \_\_\_\_\_ in  
Work energy (for mech. Presses) \_\_\_\_\_ ft/lbs from \_\_\_\_\_ spm at \_\_\_\_\_ % Drop

### Tools

- Die shoe changeovers
- Changeovers of single stations \_\_\_\_\_
- Other \_\_\_\_\_

Dimension of the smallest tool (l x w) \_\_\_\_\_ in \_\_\_\_\_ in  
Dimension of the largest tool (l x w) \_\_\_\_\_ in \_\_\_\_\_ in  
Die shut height/daylight from/to \_\_\_\_\_ in \_\_\_\_\_ in  
Part transport level from/to \_\_\_\_\_ in \_\_\_\_\_ in  
Type of die clamps \_\_\_\_\_

## Questionnaire for the area of forging

### Press bed

Bed dimensions length x width \_\_\_\_\_ in \_\_\_\_\_ in  
Bed height above floor \_\_\_\_\_ in

### Slide

Slide dimensions \_\_\_\_\_ in \_\_\_\_\_ in  
Slide stroke \_\_\_\_\_ in  
Slide locking  In TDC  In increments  
Slide adjustment (mech. Presses) \_\_\_\_\_ in  
Ejectors in bed  pneumatic  hydraulic  
    Number of ejector pins \_\_\_\_\_ x \_\_\_\_\_  
    Number of forces \_\_\_\_\_  
Ejectors in slide  pneumatic  hydraulic  
    Number of ejector pins \_\_\_\_\_ x \_\_\_\_\_  
    Number of forces \_\_\_\_\_  
Opening betw. uprights in part flow direction \_\_\_\_\_ in  
Opening betw. uprights at right angle to part flow \_\_\_\_\_ in

### 9. Details about the installation site.

- new bay or plant
- existing production site

### 10. What is your budget for investment?

Approx \_\_\_\_\_ € or \$US

### 11. What are the environmental conditions at the installation site?

- High temperatures above 40° C (104° F)
- Extreme temperature fluctuations of more than 25° C (45° F)
- Extreme amount of dirt particles in the air
- Other: \_\_\_\_\_

# Questionnaire for the area of forging

## 12. Which line or lines do you prefer at the present time?

- |   |               |       |                    |       |
|---|---------------|-------|--------------------|-------|
| <input type="checkbox"/> Hydraulic single press                                   | max. capacity | _____ | max. clamping area | _____ |
| <input type="checkbox"/> Hydraulic press line(s)                                  | max. capacity | _____ | max. clamping area | _____ |
| <input type="checkbox"/> Hydraulic transfer press                                 | max. capacity | _____ | max. clamping area | _____ |
| <input type="checkbox"/> Combination mechanical and hydraulic presses in one line | max. capacity | _____ | max. clamping area | _____ |
| <input type="checkbox"/> Mechanical press line(s)                                 | max. capacity | _____ | max. clamping area | _____ |
| <input type="checkbox"/> Mech. Transfer press(s) with eccentric drive             | max. capacity | _____ | max. clamping area | _____ |
| <input type="checkbox"/> Mech. Transfer press(s) with link drive                  | max. capacity | _____ | max. clamping area | _____ |
| <input type="checkbox"/> Other: _____   | max. capacity | _____ | max. clamping area | _____ |

## 13. Please enter any additional information that might be useful for quotation preparation:

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