



# SWARF PROCESSING

## Questionnaire Project: SWARF PROCESSING SYSTEM

Company name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer contact \_\_\_\_\_

Department \_\_\_\_\_

Telephone \_\_\_\_\_

Fax \_\_\_\_\_

eMail \_\_\_\_\_

Internet \_\_\_\_\_

# Swarf

## - Material type





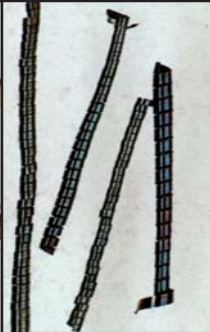

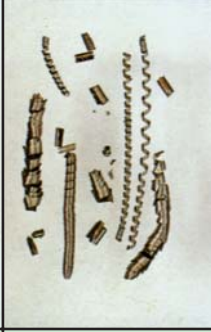



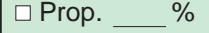
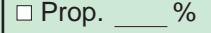
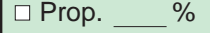
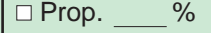
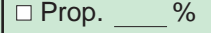
- Aluminium                       Steel                                       Brass  
 Cast Iron                               Alloy type: \_\_\_\_\_

If mixed swarf materials, please fill out separate questionnaire for each swarf material !

## Swarf produced from machining operations:

- Turning                                       Milling                                       Drilling  
 Deep Hole Drilling                       Broaching                                       \_\_\_\_\_

## - Shape

				
<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %
				
<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %
				
<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %	<input type="checkbox"/> Prop. ____ %

## - Swarf type

- short chipped                       bushy bundles

maximum swarf length, approx. \_\_\_\_\_

size of swarf bundles, approx. \_\_\_\_\_

## - weight

Bulk density in kgs/litre: \_\_\_\_\_

## - quantity

required through-put in m<sup>3</sup>/h: \_\_\_\_\_

sample provided

- yes                                       no

Is there tramp material mixed in ?

- yes                                       no

approx. size of tramp material, in mm:

from \_\_\_\_\_ to \_\_\_\_\_

No. of tramp mat. pieces in m<sup>3</sup> \_\_\_\_\_

or proportion in swarf volume \_\_\_\_\_

## Coolant

### - Type

- Oil  soluble oil \_\_\_\_ % prop. in oil  synthetic emulsion  
 other coolants

### - Viscosity

cSt \_\_\_\_\_ 1°E = 7,5 cSt

### - Filtration

Quote a coolant filtration system ?

- yes  no

- coolant filters  centrifugal coolant clarifier

required filtration level: \_\_\_\_\_

required through-put: \_\_\_\_\_ l/h \_\_\_\_\_ l/min.

## Conveyor System

### Swarf in-feed to processing system

batched

- elevating loader-dumper  fork lift truck  
 swarf barrow  swarf bin  
 tote boxes

continous

- drag-link conveyor  scraper conveyor  
 hinged belt conveyor  screw conveyor

other containers \_\_\_\_\_

### Container size

dim.: L \_\_\_\_\_ W \_\_\_\_\_ H \_\_\_\_\_

(If you have different containers please indicate dimensions for each container type / attach a sketch.)

### Swarf discharge from processing system

- conveyor  discharge chute  
 swarf container  discharge unit  
 \_\_\_\_\_

## Swarf storage

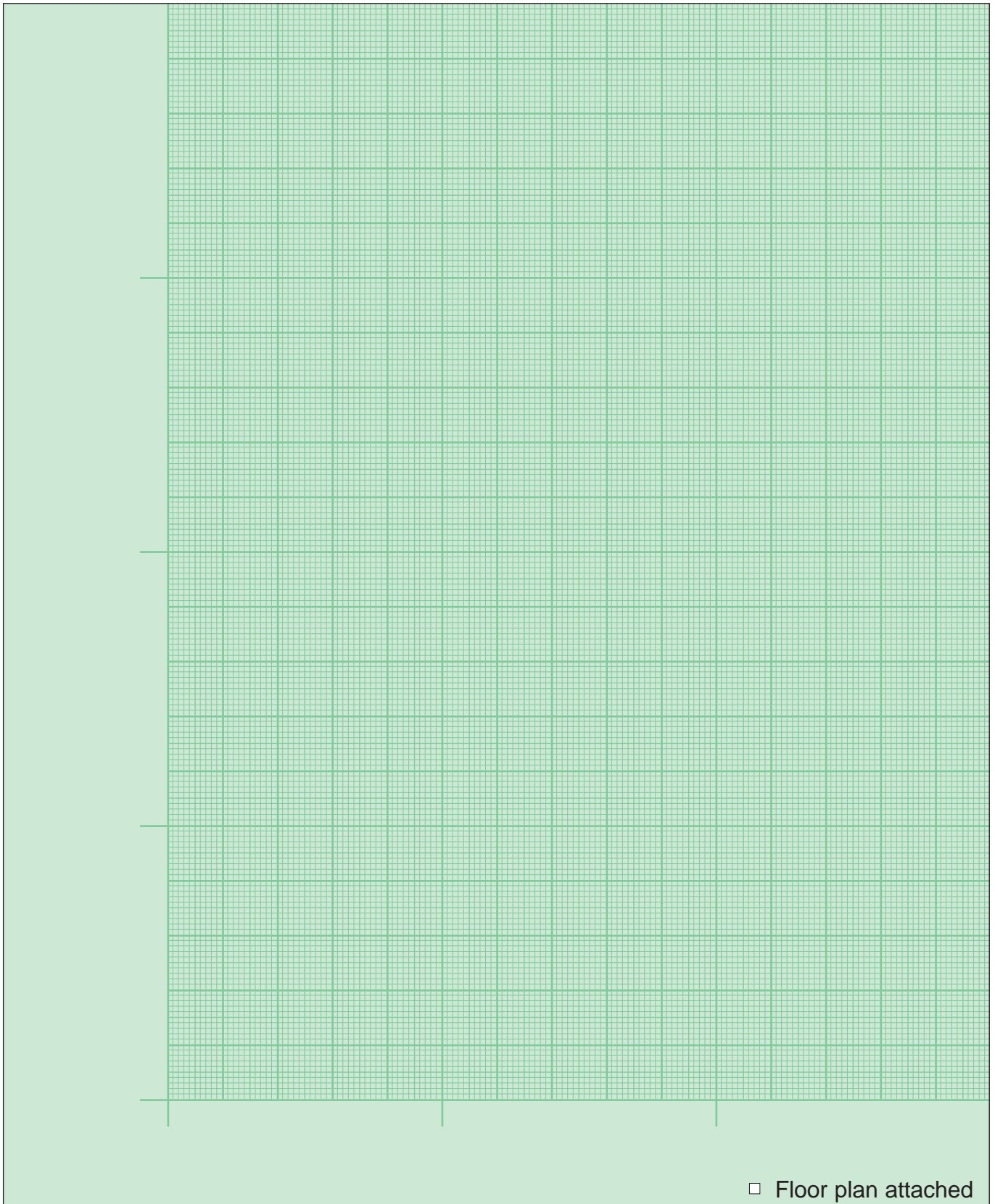
### The processed swarf will be stored in

- swarf silos capacity: \_\_\_\_\_  
for loading into  trucks  train clearance height: \_\_\_\_\_  
 containers capacity: \_\_\_\_\_  
dim.: L \_\_\_\_\_ W \_\_\_\_\_ H \_\_\_\_\_  
 other storage facilities capacity: \_\_\_\_\_  
dim.: L \_\_\_\_\_ W \_\_\_\_\_ H \_\_\_\_\_  
(please attach sketch)

### The removal of the containers is made by

- trucks  fork lift trucks  \_\_\_\_\_

## Space considerations



Floor plan attached



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