

LINN HIGH THERM GMBH  
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**QUESTIONNAIRE FOR  
SAMPLE PREPARATION SYSTEMS  
FOR METALLIC AND OXIDIC MATERIAL**

CUSTOMER: Company: \_\_\_\_\_

Contact: \_\_\_\_\_

Department: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

Country: \_\_\_\_\_

phone.: \_\_\_\_\_ fax: \_\_\_\_\_

www. \_\_\_\_\_ e-mail: \_\_\_\_\_

A) TYPE OF MATERIAL:  metallic  oxidic  both

type of spectrometer \_\_\_\_\_

B1) METALLIC SAMPLES:

- iron/steel
- alloys
- nonferrous metals
- precious metals
- ferroalloys
- low-density metals
- others \_\_\_\_\_

B2) SAMPLES ARE AVAILABLE AS FOLLOWS:

- tight parts
- small parts
- chips
- granulat
- powder
- sponges
- others \_\_\_\_\_

B3) ABOUT SAMPLE:

What sample quantity should be remelted? \_\_\_\_\_ gram

What diameter should the sample have? \_\_\_\_\_ mm

What height should the sample have? \_\_\_\_\_ mm

How many samples each day? \_\_\_\_\_ piece(s)

Should standards be prepared?  yes  no

B4) ABOUT MELTING PROCESS:

Melting under vacuum/gas?  yes  no

Special requirements for crucibles? \_\_\_\_\_

Special requirements for ingot moulds (Cu, Graphite)? \_\_\_\_\_

## B5) ACCESSORIES / OPTIONS:

- Pyrometer for temperature control required?  yes  no \_\_\_\_\_ °C
- Circulation cooler required?  yes  no
- Can samples be pressed, e.g. chips, powder etc.?  yes  no
- Do you want a quotation for pressing/pressing tools?  yes  no
- Do you want a quotation for balances?  yes  no

## B6) I AM INTERESTED IN FOLLOWING SYSTEM:

- Lifumat-Met-3,3  Lifumat-Met-3,3-Vac
- Lifumat-Met-6,6  Lifumat-Met-6,6-Vac
- Lifumat-Met-7,7  Lifumat-Met-7,7-Vac
- Lifumat-C-2000-3,3-Vac  Lifumat-2000-3,3-Vac

## B7) SPECIFICATIONS OF METALLIC SAMPLES:

## C1) ABOUT OXIDIC SAMPLES:

- Type of spectrometer \_\_\_\_\_
- What samples are required? \_\_\_\_\_
- Graining of the sample? \_\_\_\_\_ µm
- What means of fusion agent are used? \_\_\_\_\_
- Other additions, e.g. bromide? \_\_\_\_\_
- How many samples each day? \_\_\_\_\_ piece(s)

## C2) CRUCIBLES AND DISHES:

- Crucible:  Pt/Au  Graphite  Glass Carbon  Zircon  Others \_\_\_\_\_
- Dish:  Pt/Au  Graphite  Glass Carbon  Zircon  Others \_\_\_\_\_

- Crucible (size, form, nomenclature) \_\_\_\_\_
- Dish (size, form, nomenclature) \_\_\_\_\_

## C3) ACCESSORIES / OPTIONS:

- Pyrometer for temperature control required?  yes  no \_\_\_\_\_ °C
- Circulation cooler required?  yes  no
- Do you want a quotation for balances?  yes  no

C4) I AM INTERESTED IN FOLLOWING SYSTEM:

Lifumat-1,2-Ox

Lifumat-2000-2,0-Ox

Lifumat-2,0-Ox

Lifumat-2,0-SemiOx-35

C5) SPECIFICATIONS OF OXIDIC SAMPLES:

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D) POWER SUPPLY / ELECTRICAL CONNECTION AT CUSTOMER

mains 230 V, 1 phase, N, PE

mains 400 V, 3 phases, N, PE

mains 220 V, 3 phases, N, PE

other mains, if yes, which? \_\_\_\_\_

appearing mains fluctuations: upwards \_\_\_\_\_ downwards \_\_\_\_\_

E) REMARKS:

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Date: \_\_\_\_\_

Signature: \_\_\_\_\_