



INDIVIDUAL SAMPLE PREPARATION

Finding the right mill is easy: Simply send us a sample of your choice – we will conduct a sample grinding and send you an individual grinding report and recommend an instrument suitable for your application. Please complete the form completely and **email it in advance to lab@fritsch.de and send us the material together with the print out of the completed form.**

If you would like to send an additional sample (max. 2 samples) which differs in regards to consistency, desired sample quantity or final fineness, please complete a second form for this second sample.

The fields marked with an asterisk* are required fields and have to be completed!

Your information about the material

Name of the material*:

Chemical formula:

Hazardous material*: yes¹ no
 (*Please enclose safety data sheet!)

explosive toxic caustic oxidising environmental hazard

easily flammable harmful to health from:

Do not put in contact with:

Material properties

hygroscopic pH-value: Humidity: %

The material may be: embrittled Up to °C dried / heated

Soluble in:

Other:

Task

Which sample quantity should be ground per charge*: g ml

Max. particle size of the material to be ground: mm µm

Which final fineness should be obtained*?: % < mm

Attention: For obtaining particle sizes < 30 µm, in most cases a wet grinding is required! % < µm

Is wet grinding tolerated? yes no

If yes, with which liquids*?

During dry grinding may – anti-sticking agents or other surface active substances - be added? yes no

If yes, which*?



Which mill should be utilized?

Please select the suitable mill for our requirements!

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Planetary Micro Mill
P-7
<i>premium line</i> | <input type="checkbox"/> Planetary Micro Mill
P-7
<i>classic line</i> | <input type="checkbox"/> Planetary Mill
P-5
<i>premium line</i> | <input type="checkbox"/> Planetary Mill
P-5
<i>classic line</i> |
| <input type="checkbox"/> Planetary Mono Mill
P-6
<i>classic line</i> | <input type="checkbox"/> Vario- Planetary Mill
P-4
<i>classic line</i> | <input type="checkbox"/> Vibratory Micro Mill
P-0 | <input type="checkbox"/> Mini-Mill
P-23 |
| <input type="checkbox"/> Knife Mill
P-11 | <input type="checkbox"/> Cutting Mill
P-15 | <input type="checkbox"/> Universal Cutting Mill
P-19 | <input type="checkbox"/> Power Cutting Mill
P-25 |
| <input type="checkbox"/> Cutting Mill
Combination
P- 25 / P-19 | <input type="checkbox"/> Variable Speed
Rotor Mill
P-14 <i>premium line</i> | <input type="checkbox"/> Variable Speed
Rotor Mill
P-14 <i>classic line</i> | <input type="checkbox"/> Cross Beater Mill
P-16 |
| <input type="checkbox"/> Jaw Crusher
P-1
<i>premium line</i> | <input type="checkbox"/> Disk Mill
P-13
<i>classic line</i> | <input type="checkbox"/> Disk Mill
P-13
<i>premium line</i> | <input type="checkbox"/> Combination
P-1/P-13
<i>classic line</i> |
| <input type="checkbox"/> Combination
P-1/P-13
<i>premium line</i> | <input type="checkbox"/> Vibrating Cup Mill
P-9 | | |

Since abrasion is unavoidable, which materials for the grinding tools do you prefer?

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> SiO ₂ agate | <input type="checkbox"/> Al ₂ O ₃ sintered corundum | <input type="checkbox"/> Si ₃ N ₄ silicon nitride | <input type="checkbox"/> ZrO ₂ zirconium oxide |
| <input type="checkbox"/> stainless steel | <input type="checkbox"/> hardened steel | <input type="checkbox"/> hardened, stainless steel | |
| <input type="checkbox"/> WC + Co hardmetal tungsten carbide | | | |
| <input type="checkbox"/> manganese steel possible with Jaw Crushers and Disk Mills | | | |
| <input type="checkbox"/> chromium-free steel possible with Cutting Mills, Jaw Crushers and Vibrating Cup Mill | | | |
| <input type="checkbox"/> hard porcelain possible with the Mortar Grinder | | | |
| <input type="checkbox"/> pure titanium/TiN-coated steel possible with the Variable Speed Rotor Mills | | | |

Which analysis follows?

According to which norm/standard should be worked? DIN / ISO / ASTM

How was your material previously comminuted and which results can you share with us?

Remarks:

Would you like to receive an offer? yes no

Should not needed material be returned? yes no

Your personal information

Salutation*:	<input type="text"/>	Title:	<input type="text"/>
Last Name*:	<input type="text"/>	First name:	<input type="text"/>
Company*:	<input type="text" value="Please supply end customer address"/>	Department:	<input type="text"/>
Street*:	<input type="text"/>	House No.:	<input type="text"/>
Postcode*:	<input type="text"/>	City*:	<input type="text"/>
Country*:	<input type="text"/>	Email*:	<input type="text"/>
Phone*:	<input type="text"/>	Fax:	<input type="text"/>

Attention: Customers (owner of sample, individual mailing the sample) are liable for possible damages caused by the sample itself or in conjunction with possible contact materials (toxic, explosive, caustic materials etc.) unless expressed notification of this risk was provided in writing (safety data sheet), as well as the risk of accidental loss of the sample.

Please send the completed form in advance to lab@fritsch.de and send the sample material together with the print out to:

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