

Sample preparation – free of charge and non binding

Finding the right mill is easy: Simply send us a sample of your choice – we will conduct a free of charge 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 amount or deviating from the final fineness, please complete a second form for this second sample.

Your information about the material

Name of the material*:

Chemical formula:

Hazard material*: yes¹ no

(¹Please enclose safety data sheet!)

explosive toxic caustic oxidising environmental hazard

easily flammable harmful to health from:

May not be 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 quantity should be ground usually in one charge *: g cm³

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

(ATTENTION: if you would like to reach particle sizes of approx. < 30 µm, it is mostly only possible by wet grinding)

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

% < µm

Is wet grinding tolerated? yes no

If yes, with what liquids? *

For offsetting agglomerate formation may anti-sticking agents or surface active agents be added? yes non

If yes which do you recommend?

With which mill should your sample be ground?

Please select the suitable mill for my application for me!

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Planetary Micro Mill
P-7 premium line | <input type="checkbox"/> Planetary Micro Mill
P-7 classic line | <input type="checkbox"/> Planetary Mill
P-6 premium line | <input type="checkbox"/> Planetary Mono Mill
P-6 classic line |
| <input type="checkbox"/> Planetary Mill
P-5 classic line | <input type="checkbox"/> Vario-Planetary Mill
P-4 classic line | <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 premium line | <input type="checkbox"/> Variable-Speed
Rotor Mill
P-14 classic line | <input type="checkbox"/> Cross Beater Mill
P-16 |

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Jaw Crusher P-1
Model I - <i>premium line</i> | <input type="checkbox"/> Jaw Crusher P-1
Model II - <i>premium line</i> | <input type="checkbox"/> Jaw Crusher P-1
Model I – <i>classic line</i> | <input type="checkbox"/> Jaw Crusher P-1
Model II – <i>classic line</i> |
| <input type="checkbox"/> Disk Mill
P-13 <i>premium line</i> | <input type="checkbox"/> Disk Mill
P-13 <i>classic line</i> | <input type="checkbox"/> Combination
P-1/P-13 <i>premium line</i> | <input type="checkbox"/> Combination
P-1/P-13 <i>classic line</i> |
| <input type="checkbox"/> Vibrating Cup Mill
P-9 | <input type="checkbox"/> Mortar Grinder
P-2 | | |

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"/> tempered steel | <input type="checkbox"/> WC + Co hardmetal tungsten carbide | |
| <input type="checkbox"/> manganese steel only possible with Jaw Crushers and Disk Mills | | | |
| <input type="checkbox"/> chromium-free steel only possible with Cutting Mills , Jaw Crushers and Vibrating Cup Mills | | | |
| <input type="checkbox"/> hard porcelain possible with the Mortar Mill | | | |
| <input type="checkbox"/> Pure titanium/TiN-coated steel only possible with the Variable-Speed Rotor Mill | | | |

Which analysis follows?

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

How was your material
previously comminuted and with
which results?

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"/>
Name*:	<input type="text"/>	First name:	<input type="text"/>
Company*:	<input type="text"/> Please supply end customer info	Department	<input type="text"/>
Street*:	<input type="text"/>		
Postcode*:	<input type="text"/>	City*:	<input type="text"/>
Country*:	<input type="text"/>	E-Mail*:	<input type="text"/>
Phone*:	<input type="text"/>	Fax:	<input type="text"/>

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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Application Laboratory
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Fax: +49 67 84 70 11
info@fritsch.de
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Customers (owner of sample, individual mailing the sample) are liable for eventual possible damages caused by the sample itself or in conjunction with possible contact materials (poisonous, explosive, corrosive 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.

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