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 bill_lee@fritsch.cn 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*:

(1Please enclose safety data sheet!)

☐ yes[1] ☐ No

☐ 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!

☐ Planetary Micro Mill
P-7
premium line

☐ Planetary Micro Mill
P-7
classic line

☐ Planetary Mill
P-5
premium line

☐ Planetary Mill
P-5
classic line

☐ Planetary Mono Mill
P-6
classic line

☐ Vario- Planetary Mill
P-4
classic line

☐ Vibratory Micro Mill
P-0

☐ Mini-Mill
P-23

☐ Knife Mill
P-11

☐ Cutting Mill
P-15

☐ Universal Cutting Mill
P-19

☐ Power Cutting Mill
P-25

☐ Cutting Mill
Combination
P- 25 / P-19

☐ Variable Speed
Rotor Mill
P-14 *premium line*

☐ Variable Speed
Rotor Mill
P-14 *classic line*

☐ Cross Beater Mill
P-16

☐ Jaw Crusher
P-1
premium line

☐ Jaw Crusher
P-1, model I
classic line

☐ Jaw Crusher
P-1, model II
classic line

☐ Disk Mill
P-13
premium line

☐ Disk Mill
P-13
classic line

☐ Combination
P-1/P-13
premium line

☐ Combination
P-1/P-13
classic line

☐ Vibrating Cup Mill
P-9

☐ Mortar Grinder
P-2

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

☐ SiO_2 agate

☐ Al_2O_3 sintered corundum

☐ Si_3N_4 silicon nitride

☐ ZrO_2 zirconium oxide

☐ stainless steel

☐ hardened steel

☐ hardened, stainless steel

☐ WC + Co hardmetal tungsten carbide

☐ manganese steel possible with Jaw Crushers and Disk Mills

☐ chromium-free steel possible with Cutting Mills, Jaw Crushers and Vibrating Cup Mill

☐ hard porcelain possible with the Mortar Grinder

☐ 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*:		Title:	
Last Name*:		First name:	
Company*:	Please supply end customer address	Department:	
Street*:		House No.:	
Postcode*:		City*:	
Country*:		Email*:	
Phone*:			

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.

☐ *Yes, I read the Privacy Policy and consent to that data supplied by me, is electronically processed and saved. My data is used exclusively for this purpose*.

☐ I consent to, that my aforementioned data is saved and used for the mailing of further information about your products, services and events. There will be no disclosure to third parties. I can revoke this consent at any time via e-mail to info@fritsch.de, per letter or via clicking the unsubscribe link contained in the e-mails.

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

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