

滤尘

行业:	Metallurgy
进料尺寸:	< 2cm
最终精度:	93% < 250µm/ 100% < 250µm
样品量:	



PLANETARY MONO MILL PULVERISETTE 6 CLASSIC LINE

Speed: 630 rpm (Filter dust sample)

500 ml grinding bowl made of zirconium oxide (ZrO₂)
+ 8x 30 mm ZrO₂ grinding balls

Feed quantity:	~ 217 g
Feed Size:	< 1 cm
Grinding time:	1 min*1
Final fineness:	< 15 µm*2
Comments:	*1: The sample is sticking strongly to the bowl (see additional photo). A longer dry grinding will only cause wear off of the grinding balls.

A grinding of this sample is only possible in suspension.

*2: Because of the sticking of sample, a sieving is impossible. To determine the fineness, we took a small portion and measured with an ANALYSETTE 22 NanoTec (see Meas. No. 805 on separate page).

Summy: Both samples have been ground without problems in dry conditions to >90% smaller as the desired fraction of 250µm. Especially sample 2 (fine dust sample) did show a very fast sticking of sample. A measurement of its particle size distribution has shown that >99% uses to be < 10µm.