Task:

Application field: Glass / Ceramics

Material: Cordierite (ceramic catalyst)

Feed size: approx. 15 mm (after pre-crushing with the Jaw Crusher BB 200)

Feed quantity: 300 g

Material specification(s): Medium-hard, brittle

Customer Requirement(s): < 25 µm; 30 lbs (approx. 15 kg)

Subsequent analysis: Not defined

Solution:

Selected instruments(s): Rotor Beater Mill SR 300

Configuration(s): Ring sieve 0.08 mm, 360 ° of stainless steel;
Ring type filter with trapezoid hole body;
Dust-filter clamping rings with dust filter

Parameter(s): Revolution speed 8100 rpm

Time: Approx. 2 - 3 min.

Achieved result(s): Measured with HORIBA Laser LA 300:
\[ d_{90} = 130 \, \mu m \]
\[ d_{50} = 15 \, \mu m \]

Remark(s):

Recommendation: For grinding of ceramic catalyst the Rotor Beater Mill SR 300 is suitable under the above mentioned conditions.
Pictures of the sample(s):

**Fig. 1:** Catalyst before grinding

**Fig. 2:** Catalyst after pre-grinding in the Jaw Crusher BB 200