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PRODUCT CATALOG / Planetary Mills

Heavy duty horizontal ball mill

WXQM heavy-duty configurations

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Heavy duty horizontal ball mill

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A horizontal planetary mill range with a double-disc support arrangement for heavier jar assemblies.

Overview

A horizontal planetary mill range with a double-disc support arrangement for heavier jar assemblies. It is aimed at pilot work and small-batch production where structural loading is a key selection issue.

How it works

The jars undergo horizontal planetary motion while the supporting structure carries the assembly at both ends. This differs from the compact layout and should be assessed with the full mass of jars, media and sample.

Key features

- The product information describes a double-disc, two-ended support structure.
- The H-designated and larger model rows identify their individual drive powers, holder diameters and machine masses.
- The published chart does not establish a material-independent production rate in kg/h.

Specifications

Published catalog references are reproduced below. Nominal volume is not a sample-mass rating. Confirm the selected model, material grade, electrical supply and complete supplied configuration in the quotation.

Model specifications — 1

Model	Jar holder internal diameter (mm)	Motor power	Jar revolution diameter (mm)	Dimensions (mm)	Net mass (kg)
WXQM-(2-6)(H)	134	1.5kW	Φ234	1220×620×810	266
WXQM-(8-12)	162	1.5kW	Φ275	1360×670×920	380
WXQM-16	182	3kW	Φ385	1640×840×1040	470
WXQM-20	200	4kW	Φ385	1640×840×1040	730
WXQM-40	250	5.5kW	Φ430	1780×860×1070	790
WXQM-60	275	7.5kW	Φ490	1980×1050×1220	1070
WXQM-100	328	11kW	Φ578	2110×1150×1370	1210

The model-specific speed schedule must be confirmed; ambiguous source units are not used to define an operating limit.

Applications

Pilot grinding, process development and small-batch production with heavier milling setups.

Suitability depends on the actual sample, process and analytical requirements; a listed application is not a guaranteed final-particle-size result.

Accessories and options

Discuss the required jar materials, compatible vacuum closures and the control interface. Cooling and ultrasonic assistance are separate engineering selections that must fit the selected model.

- Jar and media: confirm material, volume, holder fit and the complete working load.
- Vacuum or gas requirements: specify the complete jar, lid and seal arrangement; no pressure rating is assumed.
- Utilities and supply scope: state voltage, frequency, phase, destination and required documents; confirm included versus optional items.

[Compare milling jars](#) · [Compare grinding media](#) · [Low temperature planetary grinding machines](#) · [Ultrasonic planetary ball mills](#)

Selection guidance

Check loaded mass, jar clamping dimensions, installation access and electrical supply. Treat production output as a process-trial result, not as a conversion from nominal jar volume.

[Work through the selection guide](#) · [Request a configuration quotation](#)

Trials and comparisons

No identifiable trial of this exact product/configuration was found in the available planetary-milling test summaries. A result from a different mill, jar grade or assistance system is not attributed to this product.

A comparison to request

Compare the proposed production batch with a documented pilot batch, recording media loading, temperature, sampling and particle-size method. A higher-capacity machine is not automatically a faster process.

[Discuss a sample evaluation](#)

Plan your milling configuration.

TENCAN develops and manufactures planetary milling equipment, with application support in Changsha and a production base in Wushi, Hunan.

Share your material, batch size, target particle size and contamination limits. Our team can help confirm the mill, jars, media and electrical requirements, or arrange a sample grinding evaluation.

Reference information applies to the described models and conditions. Confirm the final specification and supplied accessories with TENCAN before ordering.

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Product page <https://www.planetaryballmill.com/planetary-ball-mills/heavy-duty-horizontal-ball-mill.html>

Sample grinding www.planetaryballmill.com/sample-testing/