



RESEARCH · PROCESS · PRODUCTION

PLANETARY MILLING.

Equipment and application knowledge. By TENCAN.



PRODUCT CATALOG / Planetary Mills

Horizontal light-duty ball mill

WXQM-(2-6) compact configuration

Generated 2026-10-22 13:03:14 CST (UTC+08:00)
www.planetaryballmill.com

TENCAN / PRODUCT INFORMATION

Horizontal light-duty ball mill

WXQM-(2-6) compact configuration | Generated 2026-10-22 13:03:14 CST (UTC+08:00)



A compact horizontal planetary mill for laboratory sample work.

Overview

A compact horizontal planetary mill for laboratory sample work. Four horizontally mounted jars operate on a vertically arranged planetary disc, changing how gravity acts on the sample during milling.

How it works

Jar revolution and rotation act together with gravity as the horizontally mounted jars move. This arrangement can help evaluate samples that settle in a vertical configuration, but the result remains material-dependent.

Key features

- Compact WXQM-(2-6) configuration with horizontal jar orientation.
- Its published reference power is 0.75 kW and net mass is 96 kg.
- Compare the heavy-duty horizontal range when higher loaded mass or larger jars are required.

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)	134	0.75kW	Φ234	700×560×530	96

Compact configuration references

Item	Published reference
Jar positions	4
Compatible jar-volume reference	50-1500 mL; confirm the jar envelope and loaded mass
Control-panel options	Conventional or touchscreen/PLC proposal; confirm supplied functions

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

Applications

Small-batch laboratory grinding, mixing and investigation of settling or nonuniform media movement.

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

Accessories and options

Jar materials and control arrangements can be discussed with TENCAN. A cooling or ultrasonic proposal must be checked for this horizontal layout; a universal add-on fit is not assumed.

- 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 the loaded jar mass, holder diameter, available installation space and selected drive configuration. A compact machine should not be selected solely from the nominal volume of the jars.

[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

For a vertical-versus-horizontal comparison, use matched sample portions and record the jar orientation, sample load and media charge. No matched WXQM performance comparison is identified in the available test summaries.

[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.

Email lichang0516@gmail.com

Phone / WhatsApp +86 19021571516

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

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