VECTOR
SCIENTIFIC TESTING DEVICES

VIBRATORY DISC MILL

Vector Vibratory Disc Mill, a fully automatic device designed for efficient grinding of fragile materials and minerals. This mill combines innovative technology with user-friendly features, delivering exceptional performance in sample preparation for both laboratory and industrial applications.

VTR-1012

www.vectorbtc.com.tr
info@vectorbtc.com.tr

VECTOR

VECTOR
SCIENTIFIC TESTING DEVICES

Vector Vibro Mill

Advanced Automatic Grinding Solution

Unmatched Grinding Efficiency

Capable of reducing materials from an initial size of 15-20 mm down to a final particle size of 60-90 microns, the Vector Vibratory Disc Mill achieves analytical fineness quickly and reliably. It's ideal for processing a wide range of substances, including basalt, bauxite, concrete, chrome, dolomite, ferromanganese, granite, coal, quartz, limestone, and slag.

Robust Construction

Operating at 220V and 50Hz, the Vector Vibratory Disc Mill is built to withstand rigorous industrial use. Its durable construction makes it suitable for sectors like building materials, geology, mineralogy, metallurgy, and power plants.

Air-Cushioned Grinding Cell

The grinding cell incorporates an air cushion at the top, providing additional stability and making it easy to install and remove grinding sets. This design ensures consistent results and simplifies maintenance.

Enhanced Safety and Comfort

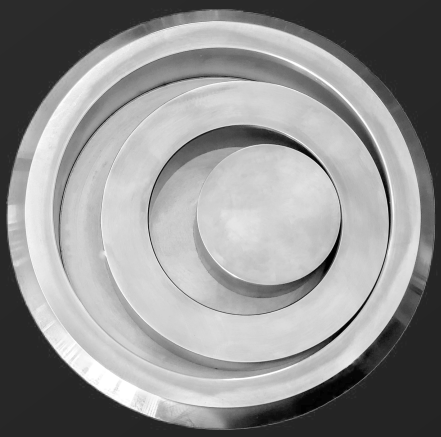
Designed with user safety in mind, the mill features a soundproofed safety cabin that minimizes noise during operation, creating a quieter work environment. Air shock absorbers on the cover enhance stability during grinding, and a protective switch system automatically stops the mill when the front cover is opened.

Ideal for Spectral Analysis

With its ability to achieve high fineness rapidly, this mill is perfect for preparing samples for spectral analysis, ensuring accurate and reliable results every time.

Versatile Grinding Options

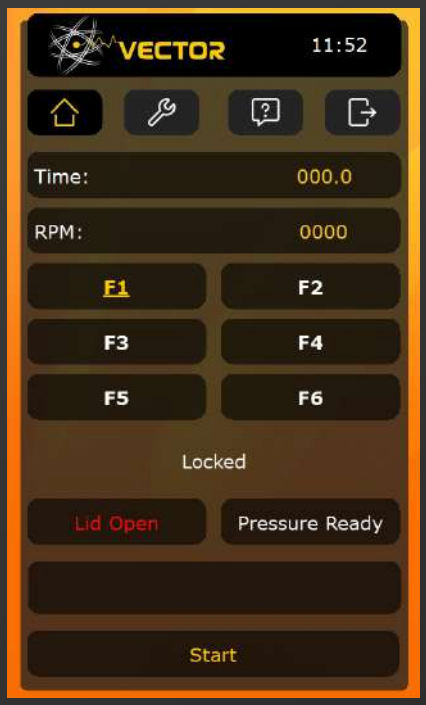
Compatible with grinding sets of 100, 250, 500, 1000 and 2000 ml volumes, the mill offers flexibility to handle various sample sizes and material types. Choose between chromium-nickel steel and tungsten carbide grinding sets to optimize performance for your specific application.



VECTOR
SCIENTIFIC TESTING DEVICES

Vector Vibro Mill

Advanced Automatic Grinding Solution



The intuitive touch-screen control panel allows for seamless operation. Set your desired grinding times and revolution speeds with ease, and take advantage of 10 customizable preset programs to meet specific sample requirements efficiently.

TECHNICAL SPECIFICATION

Operation	Fully automatic with touch-screen control
Preset Programs	10 customizable presets for grinding times and revolution speeds
Input Particle Size	15–20 mm
Final Particle Size	60–90 microns
Grinding Sets Compatibility	Volumes of 100 ml, 250 ml, 500 ml, 1000 ml and 2000 ml
Material options:	Chromium-nickel steel, Tungsten carbide
Grinding Time	Adjustable via touch-screen interface
Revolution Speed	Adjustable; users can set desired revolution values up to 1800 rpm
Safety Features	Emergency stop button
	Air shock absorbers on the cover
	Protective switch system that stops operation when the front cover is opened
Air-Cushioned Grinding Cell	Air cushion at the top for enhanced stability and easy installation/removal of grinding sets
Noise Reduction	Soundproofed cabin minimizes operational noise
Power Supply	220V / 50Hz
Construction	Robust design suitable for industrial use in sectors like geology, mineralogy, metallurgy, and power plants
Dimensions (L x W x H)	110x75x110
Weight	275 Kg

www.vectorbtc.com.tr
info@vectorbtc.com.tr