



Vimfun Diamond Wire Saw 2025

Redefining Precision Cutting for Hard and Brittle Materials





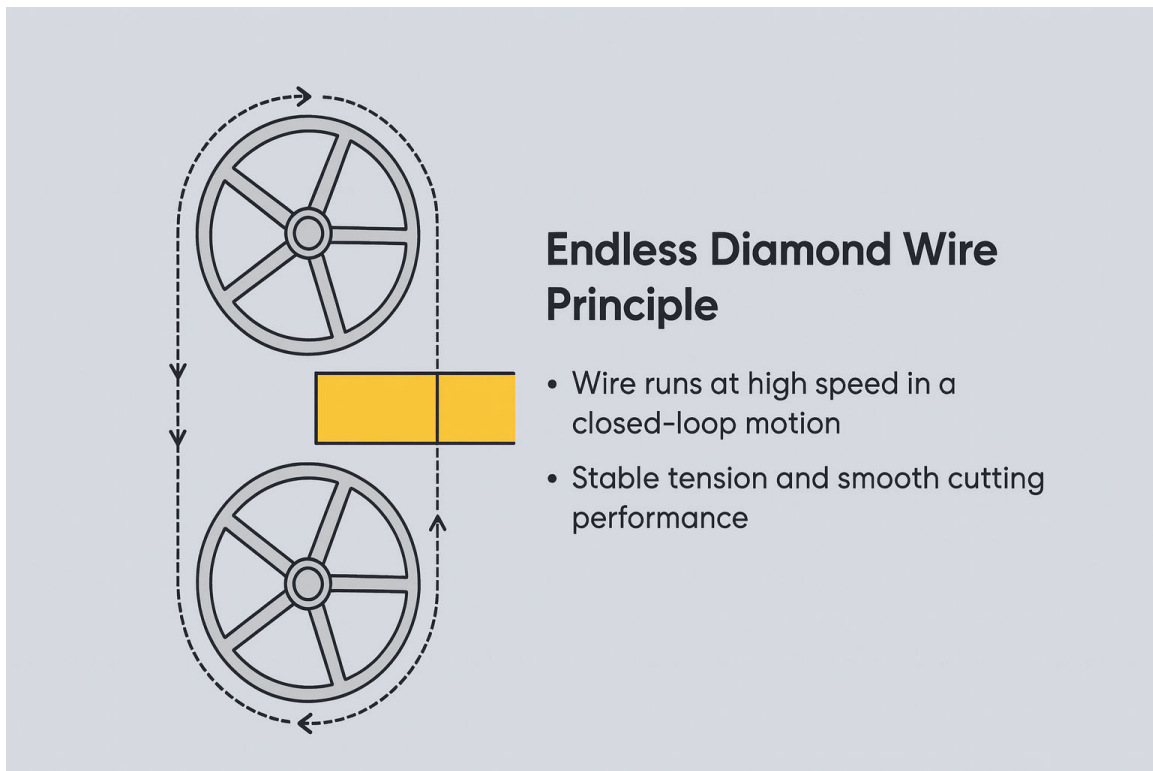
Company Profile

Vimfun Diamond Wire Saw, developed by Shine Smart Equipment Co., Ltd., specializes in endless (closed-loop) diamond wire cutting technology. Our machines deliver ultra-precise, high-speed, and efficient cutting solutions for hard and brittle materials such as silicon, sapphire, ceramics, graphite, and optical glass. Vimfun products are exported to over 20 countries worldwide, with ISO 9001, CE, and RoHS certifications.

Core Technology

The Vimfun Endless Diamond Wire Saw operates with a closed-loop (endless) diamond wire that moves continuously in one direction at up to 80 m/s. This ensures stable cutting force, minimal vibration, and ultra-smooth surfaces with kerf widths as small as 0.35 mm. Compared with traditional reciprocating saws, endless design eliminates direction reversal, extending wire life and improving cutting consistency.

[Diagram: Endless Wire Motion Principle]





Product Line Overview

Model	Structure Type	Max Cut Size (mm)
SGD 52	Desktop gantry structure	Ø52
SG 15	Desktop gantry structure	150×150×150
SG 20	Gantry structure	200×200×200
SGI 20	Gantry structure (Contour cutting)	200×200×250
SG 40	Gantry structure	400×400×400
SGSM 40	Gantry structure +wire swinging	400×400×400
SGR 20	Gantry + rotary axis	Ø200×200
SGR 40	Gantry + rotary axis	Ø380×280
SGS 180-90	Large gantry structure +Wire swinging	1800×900×600
SH 60-R	Horizontal structure+ rotary axis	Ø600×500
SH 100-R	Horizontal structure+ rotary axis	Ø1000×500
SH 200-R	Horizontal structure+ rotary axis	Ø2000×550
SV 60-60	Vertical structure	600×600×600
SVI 60-60	Vertical structure(Contour cutting)	600×600×600
SVI 120-120	Vertical structure(Contour cutting)	1200×1200×600 (约)
SVI 160-80	Vertical structure(Contour cutting)	1600×1000×600
SVI 250-80	Large Vertical structure(Contour cutting)	2500×400×400
SVC 50-50	Vertical structure+ rotary axis	450 height × Φ300–500
SVO 20	Vertical structure (inner hole cutting)	200×200×200

The above table lists our most popular and widely sold standard models.

Vimfun also provides a wide range of customized machines with different sizes, configurations, and multifunctional options beyond those shown here.

For detailed specifications or tailored solutions, please contact us to learn more about our full range of diamond wire cutting equipment.

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