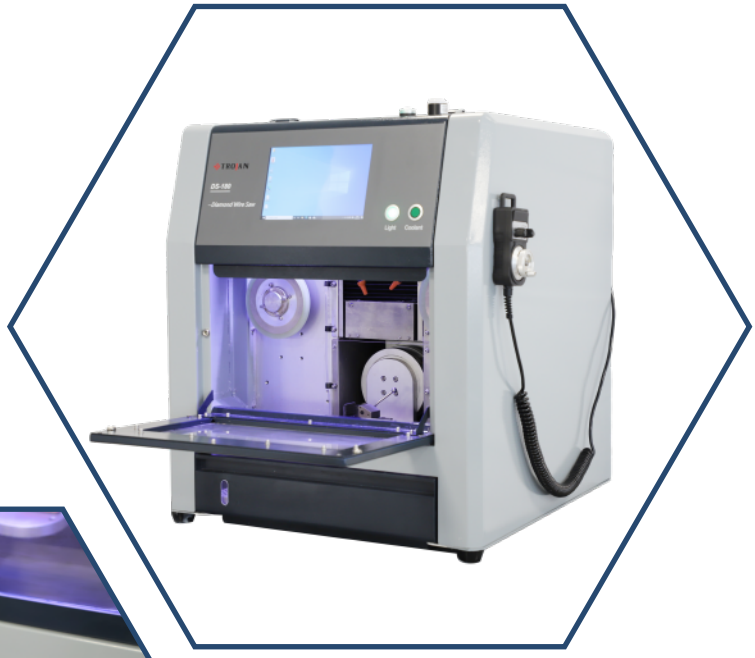
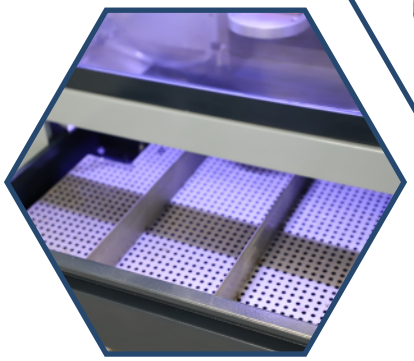
TROJAN
Discover the Truth of Material

DS-180 Diamond Wire Saw

SECTIONING





2026

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TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD

DS-180 Diamond Wire Saw

Endless-Loop Wire Rapid Cutting

Slicing / Profile Cutting

Multi-Angle Cutting

Touchscreen Operation

Ultra-Low Material Loss

EnvironmentallyFriendly & Low-Noise Operation



Applicable to:

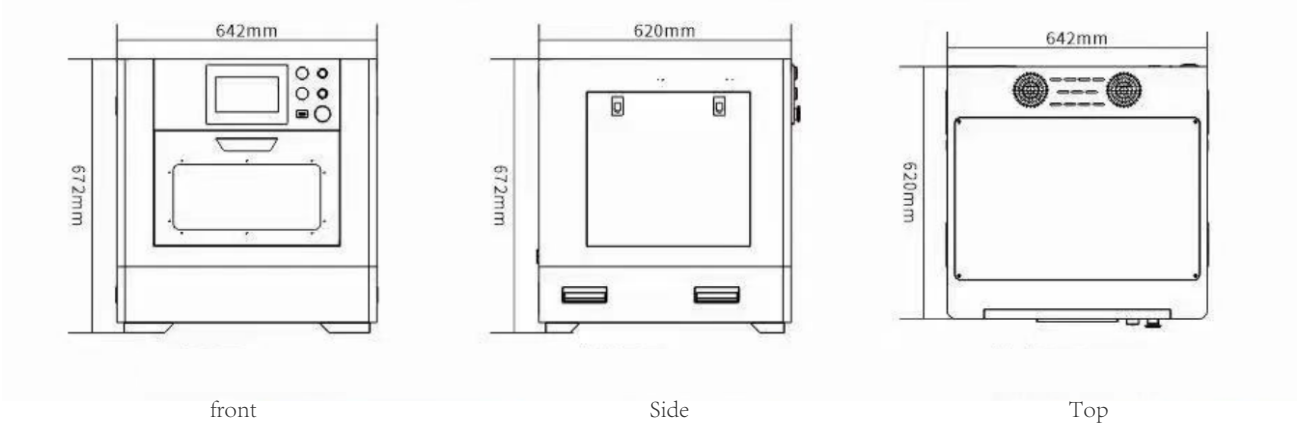
Silicon Carbide, Polycrystalline Silicon, Quartz Glass, Optical Glass, Graphite, Industrial Advanced Ceramics, Acrylic (PMMA), Zirconia (ZrO_2), Alumina (Al_2O_3), Carbon Fiber, PCB, Semiconductors, and various advanced and composite materials.

Technical Data:

Model	DS-180
Z/Y Axis Travel	140×218mm
Cutting Method	Vertical Cutting + Indexing Worktable
Maximum Cutting Weight	10kg
Maximum Cutting Efficiency	0.1-100mm/min
Maximum Cutting Size	ф180mm
Maximum Cutting Thickness	100mm
Surface Roughness (Ra)	≤0.2mm
Cutting Accuracy	≤0.05mm
Repeat Positioning Accuracy	0.01mm
Wire Tensioning Method	Counter weight
Diamond Wire Diameter	0.35-0.65mm
Lead Screw and Linear Guide	Precision Ground Lead Screw + High-Precision
Drive Method	Stepper Motor
Diamond Wire Drive	Servo Motor
Wire Breakage Protection	Y
Total Power	1.3kw
Rated Voltage	220V
Control System	Touchscreen
Overall Dimensions	620×642×672mm
Total Weight	140kg

Dimension Figure

Unite: mm



front Side Top

Standard Accessories:

1	Tool kit	Phillips screwdriver & hex key set；502 instant glue；AB epoxy adhesive；Gloves	1set
2	Water pump	dedicated water pump	1pc
3	Water hose	8*5MM（3metre）	1pc
4	Cooling water hose	Cooling water hose + magnetic base + fittings	1set
5	Power cord	1.5metre	1pc
6	Handwheel	Short wire	1pc
7	Abrasive wire	Dedicated ring-cutting wire	2pcs
8	Water tank	dedicated water tank	1set
9	USB license dongle (with encrypted software key)		1set
10	Guide rail oil		2pcs
11	Cutting coolant	TJ-1220, (2000ml)	1pc

Optional Accessories:

1	Fixtures		F200L
2	Compact vertical fixture		H200
3	X-axis fixture		X200
4	Sectioning fixture		D200
5	Diamond wire		0.35、0.5、0.65、1.0mm（optional）



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TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD
Tel: +86-512-65283666
Email: sales@trojanchina.com
Web: www.trojanworld.com
Add: Building 26,No.228 Gongtang Road,Luzhi Town,Wuzhong Suzhou,China