

CT - 150A Low-Speed Precision Cutting Machine

CUTTING

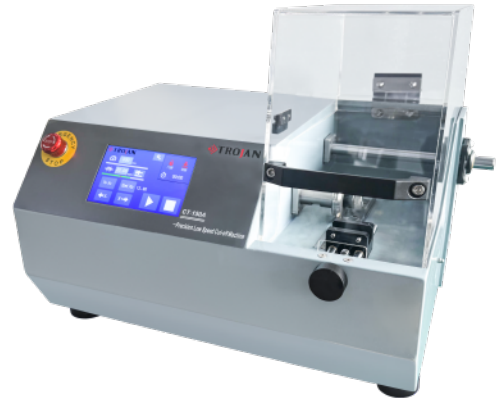


2026

TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD

CT - 150A Low-Speed Precision Cutting Machine

CT-150A Low-Speed Precision Cutter is designed for precision cutting of various hard materials, and is especially suitable for accurate sectioning of small metal and non-metal components as well as electronic parts. The machine can be equipped with diamond blades or resin-bonded blades of other materials to meet cutting requirements for different specimen types. A variety of specimen fixtures are available, enabling the workpiece to be positioned at the optimal angle for cutting, and allowing precise fine adjustment of the horizontal feed position. It is an ideal metallographic pre-preparation solution for laboratories in universities, research institutes, and industrial production facilities.



Features:

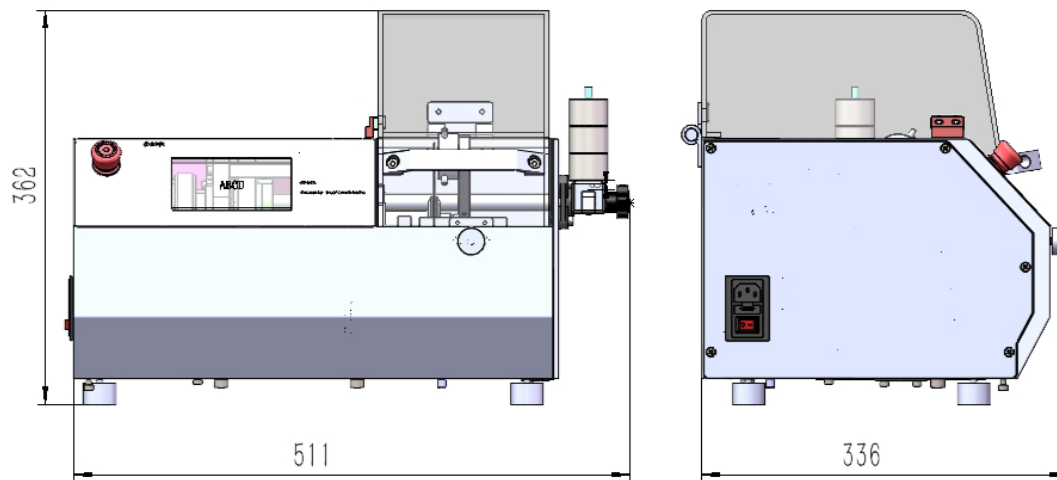
- ♦ Adjustable cutting wheel speed: 50–600 rpm.
- ♦ Constant-speed cutting achieved by adjusting the counterweight.
- ♦ 5-inch touchscreen with program control for convenient operation.
- ♦ Segmented precision cutting function along the X-axis.
- ♦ Equipped with a variety of fixtures, capable of cutting a wide range of irregular-shaped workpieces.
- ♦ Quick specimen clamping with accurate positioning.
- ♦ Multiple fixtures included, suitable for cutting irregular-shaped workpieces.

Technical Data:

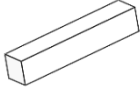
Model		CT-150
Cutting wheel	Speed	50-600rpm
	Diameter	Φ100-150mm
	Arbor Hole	Φ12.7mm
Electrical	Voltage	220 V / 50 Hz
	Motor Power	0.5kw
	Touchscreen	5 inch
	X-axis Feed	Electric feed
Cutting Capacity	Max. Cutting Diameter	Ø40mm
	X Travel	X-axis (left/right): 50mm
		precision: ±0.05
Dimensions	W×D×H	510×340×360mm
Weight		30kg

Dimension Figure

Unit: mm



Technical Specifications:

1	Wrench		10/19 open-end wrench	1pc each	
2	Flange		Ø55mm	2 set	
3	Fixing plate nut			1 pc	
4	Power cable		1.5 m	1 pc	
5	Cutting fluid		500 ml	1 bottle	
6	Aluminum oxide cutting wheel		150 × 12.7 × 0.5	10 pcs	A601505
7	DP electroplated diamond cutting wheel		150 × 12.7 × 0.5	1 pc	DP151305
8	White alumina dressing stone			1 pc	
9	4mm hex socket T-handle wrench			1 pc	

Related Consumables & Accessories:



cutting wheel



diamond blade



cutting fluid

fixture accessories:

1	V-Block Workpiece Clamp		Non-standard specimen V-shaped clamping
2	Irregular Workpiece Clamp		Φ30 mm screw-driven double-sided multi-point clamping specimen
3	Large V-Block Workpiece Clamp		Non-standard specimen V-shaped clamping
4	Teardrop Workpiece Clamp		Φ40 mm standard round specimen, with single-sided clamping screws
5	Quick-Release Workpiece Clamp		Sample length: 40 mm; sample cross-sectioning fixture
6	Double V-Block Workpiece Clamp		Sample double-V clamping mechanism
7	Round Specimen Clamp (1.5")		Φ40 mm standard round specimen
8	Round Specimen Clamp (1.25")		Φ30 mm standard round specimen
9	Adhesive Mounting Clamp		Square glass slide sample mounting

Purchase list:

Abrasive Wheels:

01.01.150	A60 Alumina Abrasive Wheels (Very hard ferrous metals)	A602515	250*32.0*1.5mm	10pcs
01.01.250	A50 Alumina Abrasive Wheels (Medium hard ferrous metals)	A502515	250*32.0*1.5mm	10pcs
01.01.350	A30 Alumina Abrasive Wheels (Soft ferrous metals)	A302515	250*32.0*1.5mm	10pcs
01.02.450	S20 Abrasive Cut Off Wheels (Non-ferrous soft metals)	S202515	250*32.0*1.5mm	10pcs

Diamond/CBN Cut Off Wheels:

01.03.560	DP Electroplated Diamond Cut Off Wheels	DP253215	250*32.0*1.5mm	1PC
01.04.660	DR Resin-Bonded Diamond Cut Off Wheels	DR253215	250*32.0*1.5mm	1PC
01.05.760	DM Metal-Bonded Diamond Cut Off Wheels	DM253215	250*32.0*1.5mm	1PC
01.10.960	CBN-M BoronNitride Cut Off Wheels	CBN-M253215	250*32.0*1.5mm	1PC

Coolant:

01.07.810/820	TJ 1220 Cutting Coolant	1L/5L
01.07.857/860	TJ 1410 Cutting Coolant	1L/5L
01.07.890/900	TJ 1506 Cleaner	1L/5L



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