

# *CT - 300*

## *Manual Cut-off Machine*

CUTTING



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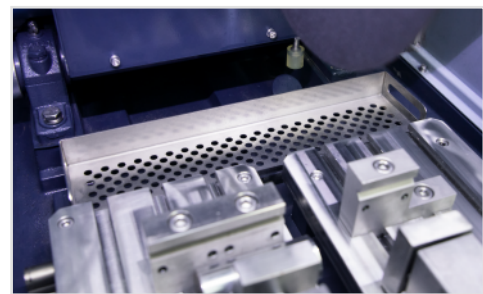
# CT - 300 Manual Cut-off Machine

CT-300 is an floor-standing cut-off machine for materialographic preparation. It is easy-to-use, robust and powerful for cutting complex components and metal pieces. The push-up safety door design makes putting samples into the cutting chamber easy and fast. Powerful motors and ergonomic cutting arms allow for efficient and smooth cutting.



## Features:

- ◆ Adopts high-power motor (5.5Kw) Make cutting more efficient and labor-saving;
- ◆ Cast aluminum base, integrated worktable, strong rigidity, making cutting more stable;
- ◆ Extra large working surface and operating space for faster specimens clamping;
- ◆ The simple and clean operator panel allows any operator to learn how to use quickly;
- ◆ Enlarged cooling pipes for more adequate cooling.











## Control Panel Introduction:







## Technical Data:

Model		CT-300
Cutting wheel	Speed	2000 & 2500rpm
	Diameter	Φ300 mm (Can up to Φ350 mm by replacing the shield)
	Wheel flange size	Φ32mm
Cutting capacity @Φ300	Diameter	Φ100mm
	Height x Length	90x130mm
	Cutting length	240mm
Table	Size (WxD)	380x330mm (X-direction travel can be extended: 430x330mm)
	T-slot	12mm
Electric	Input	3x380V/50Hz+Earth wire(E) (Optional voltage: 3x220V)
	Cutting power	5.5KW
	Current, normal load	10A
Safety	Emergency stop	Press to cut off the control circuit and main power
	Safety door lock	When it is running, the door is locked and cannot be opened
	Overload	LED flashing when current is exceeded
Cooling system	Capacity	65L
	Dimension (WxDxH)	400x600x630mm
	Interface	Inlet : Φ19 mm hose; Outlet: Φ38 mm hose
	Flow rate	100L/min
Exhaust system (Optional)	Exhaust volume	10m³/h
	Control method	ON, OFF, Auto
Advanced Features	X-axis table	Stroke: 50mm, precision: 0.1mm, hand wheel movement
	Double blade	Optional function: slice thickness can be customized
Dimension	WxDxH	907*1067*1530(closed) 907*1067*1974(open)
Weight		285kg

## Standard Accessories:

1	Recirculating cooling and filter system		Capacity: 65L, pump and filtration system included	1set
2	Handlebar style fast fixture		S300L/R	1set
3	Open-end wrench		30mm open-end wrench + 8mm diameter pin	1set
4	Allen key		8mm Allen key	1pc
5	Locking flange and blot		Locking bolt and flanges	1set
6	Inlet hose		Φ19mm Rubber pipe 1.5m	1pc
7	Drain hose		Φ38mm Hose	1pc
8	Cutting wheels		A603020 (300*32*2.0) A503020 (300*32*2.0)	5pcs each

## Optional Accessories:

1	Large Vertical clamp		H400
2	Fast vise		F300L/R
3	Padding block for vertical vise		H400-BLOCK
4	Extend arm		H400-EX

## Related Consumables & Accessories:



Cut Off Wheels



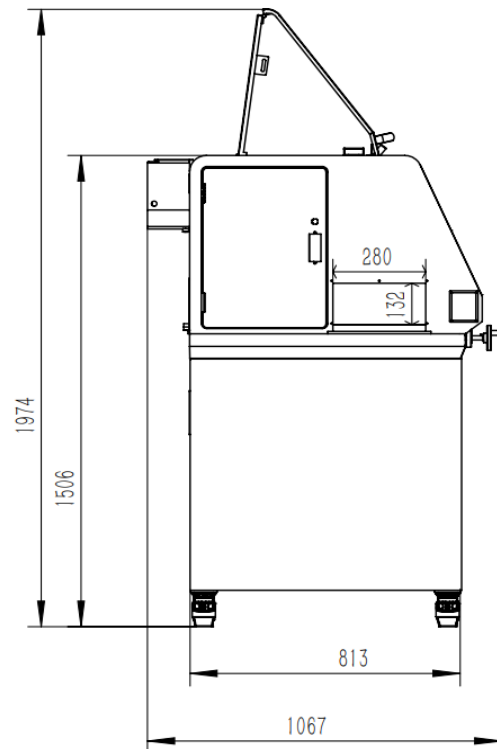
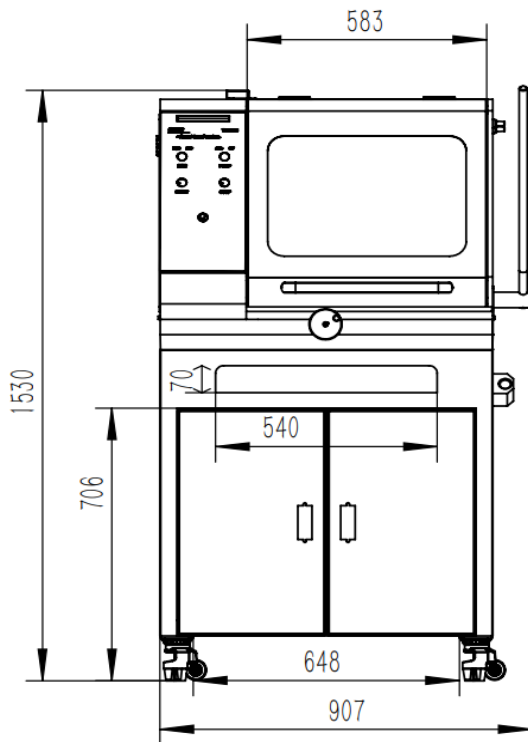
Diamond Wafering Blades



Cutting Coolant

## Dimension Figure

Unite: mm



## Purchase list:

### Cut Off Wheels:

01.01.160	A60 Cut Off Wheels(Extremely Hard)	A603020	300*32.0*2.0mm	10pcs
01.01.260	A50 Cut Off Wheels(Medium Hard)	A503020	300*32.0*2.0mm	10pcs
01.01.360	A30 Cut Off Wheels(Soft)	A303020	300*32.0*2.0mm	10pcs
01.02.460	S20 Cut Off Wheels(Soft Non-Ferrous)	S203020	300*32.0*2.0mm	10pcs

### Diamond Wafering Blades:

01.03.570	DP Diamond Plating Wafering Blade	DP303220	300*32.0*2.0mm	1PC
01.04.670	DR Diamond Resin Bond Wafering Blade	DR303220	300*32.0*2.0mm	1PC
01.05.770	DM Diamond Metal Bond Wafering Blade	DM303220	300*32.0*2.0mm	1PC

### CBN Wafering Blades:

01.06.970	CBN-R CBN Resin Bond Wafering Blades	CBN-R303220	300*32.0*2.0mm	1PC
01.10.970	CBN-M CBN Metal Bond Wafering Blades	CBN-M303220	300*32.0*2.0mm	1PC

### Cutting 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 Cutting Fluids Preservatives			1L/5L



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