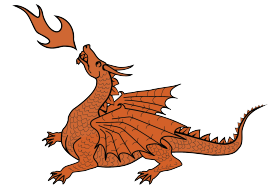


PRECISION SURFACES INTERNATIONAL, INC.



# PRECISO CL- SERIES

CL50C/70C



## Instruction

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**Powerful light**  
Chamber illumination

**Viewing**  
Machine viewing window

**Control panel**  
Easy and clear

**Hand wheel**  
Manual type



## Feature



### Table-top abrasive cutter

- Compact and powerful
- Labor-saving hand wheel design which is easy to control feeding speed during operation



### User-friendly control panel

- Symbol with picture gives clear and easy understanding
- Safety first with E. STOP

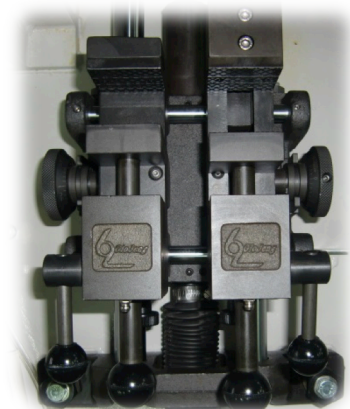


### Recirculation coolant system (Standard)

- Quick connector
- Built in coolant fluid level gauge easy to check the water level
- Metal filtration panel prevent sample from falling into tank during cutting

### Dual quick vise sets

- With strong clamping power to ensure stability during cutting

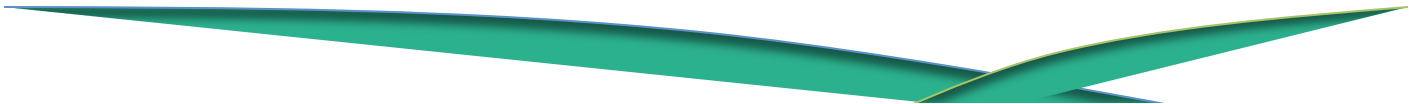


Worthy Options - Working Table



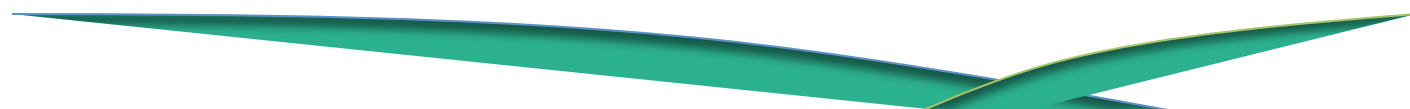
**Working Table**  
Multifunctional working table, it supplies you a place to put your machine and store your accessories. It can be moved easily.

Model No.	TF01	TF02
Size	1000*690 mm	1000*950 mm
Sample		

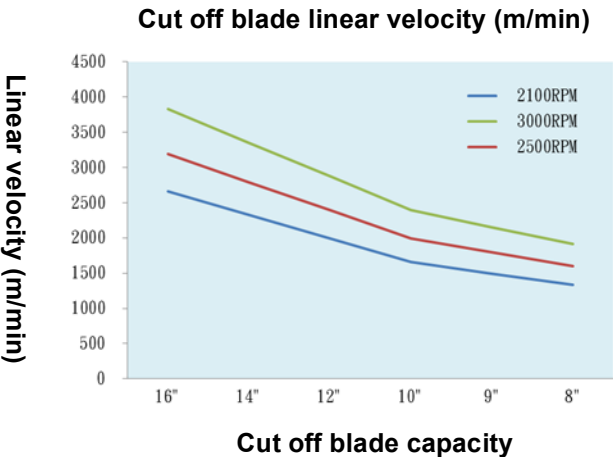
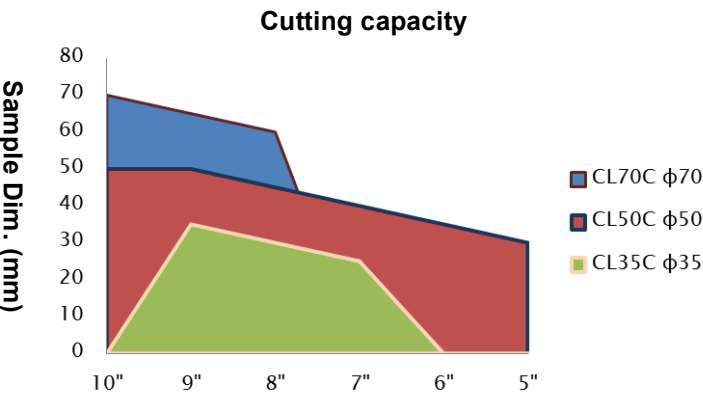


## Specification

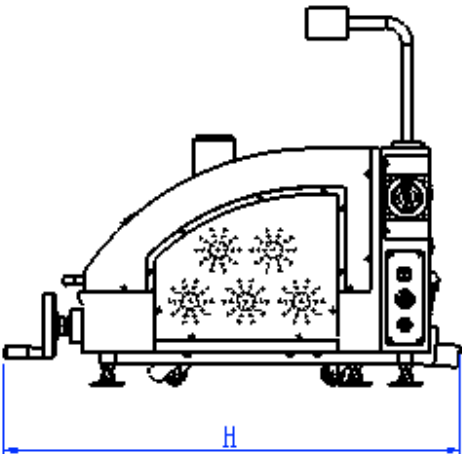
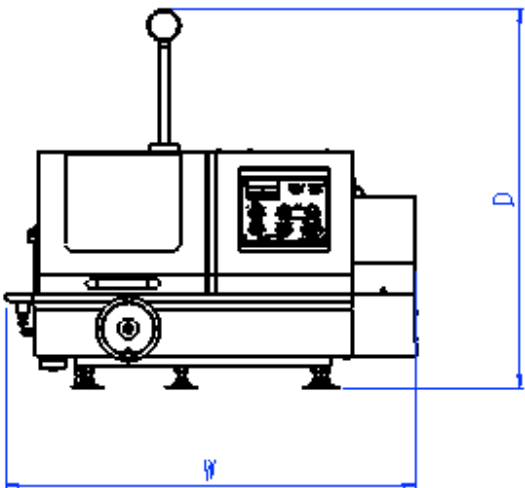
Specification	CL50C	CL70C
Sample Dim. Max.(mm)	Max $\varnothing$ 50 mm 20t×60L	Max $\varnothing$ 70 mm 20t×100L
Cut off blade	$\varnothing$ 255 mm	$\varnothing$ 255 mm
Feed method	Hand wheel	
Rotational speed	3000RPM	2500RPM
Cutting depth	200 mm	260 mm
Cutting method	Horizontal	
Vise	Dual vises	Dual vises
Motor power	2HP	3HP
Machine dimension	750mm(W)x650mm(D)x500mm(H) 850mm(W)x900mm(D)x500mm(H)	750mm(W)x900mm(D)x570mm(H) 950mm(W)x1100mm(D)x500mm(H)
Machine type	Table-top	
Power supply	3 $\varnothing$ -AC220V (AC380V)	
Machine weight (Kg)	160	210
Standard accessories	Tool one set, cutting off blade two pcs	
Water tank	50L	
Adjustable spindle rotation speed (option)	3000RPM $\pm$ 50%(CK-004)	2500RPM $\pm$ 50%(CK-004)



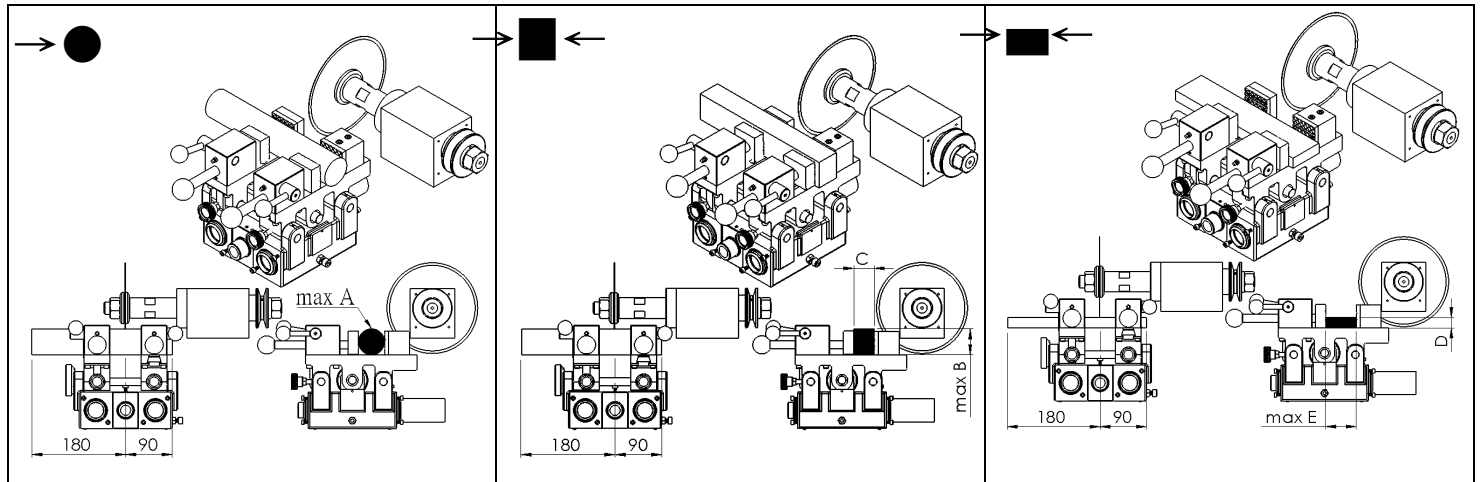
# Parameters



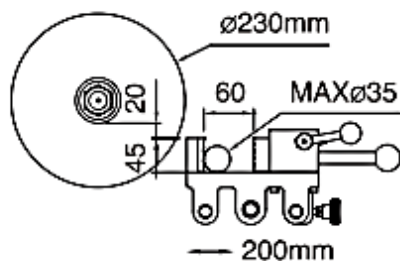
- 1. Parameter for reference only.
- 2. Actual cutting rage related to sample material, feed rate, cutting rate, vise, etc.



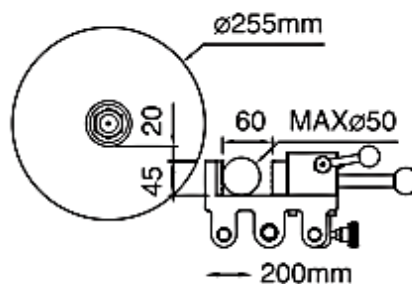
## Appendix 1 – Dual vises (Standard)



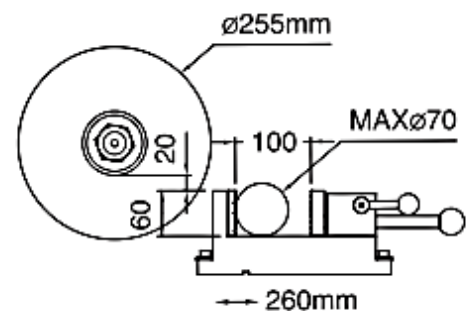
■ CL35C



■ CL50C



■ CL70C



Model	●		■		■	
	A(mm)	A cutting area(mm <sup>2</sup> )	B(mm)	B x C	E(mm)	E x D
CL35C-1HP	Ø35	961.625	35	35x25.8	60	60x15t
CL50C-2HP	Ø50	1962.5	50	50x24	60	60x20t
CL70C-3HP	Ø70	3848.5	70	70x28.6	100	100x20t

**Square area surface calculation method:**

The maximum height is B, the maximum width is E.  $B \times C$  or  $E \times D \leq A$  surface area.

**Material application:** Alloy tool steel SKS, SKD, SKT, SUP as heat treatment mechanical metal components, ordinary carbon steel, mechanical structure steel S-C series, tool steel SK series, and soft steel SS series.

Surface area can be cut in according to its degree of heat treatment



## Consumables

### CUT OFF BLADES

No	DESCRIPTION	SIZE	Q'TY/PACK
1	TS-soft steels	Ø9"(230mm)	10
2	TM-medium & hard steels	Ø9"(230mm)	10
3	TH-hard & very hard steels	Ø9"(230mm)	10
4	TS-soft steels	Ø10"(254mm)	10
5	TM-medium & hard steels	Ø10"(254mm)	10
6	TH-hard & very hard steels	Ø10"(254mm)	10
7	Non Ferrous Material, Titanium, Cost Iron	Ø10"(254mm)	10
8	TS-soft steels	Ø12"(305mm)	10
9	TM-medium & hard steels	Ø12"(305mm)	10
10	TH-hard & very hard steels	Ø12"(305mm)	10
11	TS-soft steels	Ø14"(355mm)	10
12	TM-medium & hard steels	Ø14"(355mm)	10
13	TH-hard & very hard steels	Ø14"(355mm)	10
14	TS-soft steels	Ø16"(406mm)	10
15	TM-medium & hard steels	Ø16"(406mm)	10
16	TH-hard & very hard steels	Ø16"(406mm)	10

### COOLANT

No.	DESCRIPTION	SIZE	Q'TY/PACK
1	OIL BASED-Transparent	1L	20L





*Perfect Surface.  
Always*

**Cutting / Mounting / Grinding & Polishing / Spin Coater**

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