

TOP TECH

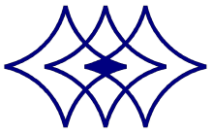
# Abrasive Cutting

CK200M/CK200B



Fit any  
kinds of  
samples

Easy to use



TOP TECH

## Instruction

Model No.: CK200B





TOP TECH

## Features



**CK200B**

Automatic operation panel



**CK200M**

Manual operation panel



**Option-horizontal movement vise**

With the right/left vise a movement 25mm in X-axis



**Standard vise-separated vise with feeding table**

Fit with various kinds of samples



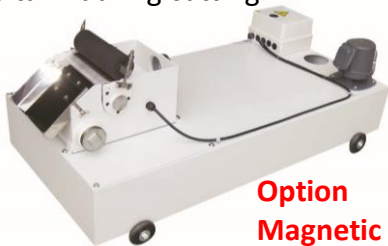
**Standard accessories**

**Recirculation coolant system**

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



**Option**

**Magnetic filtration recirculation coolant system**

CK-003 (120L)

CK-003-1(160L)

CK-003-2(200L)

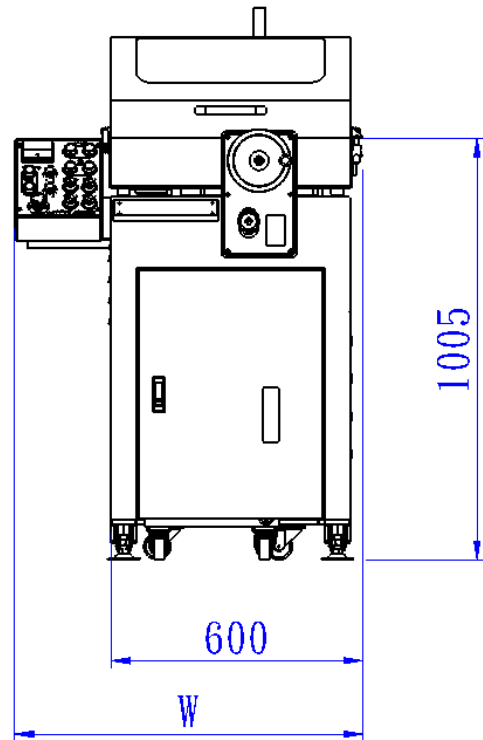
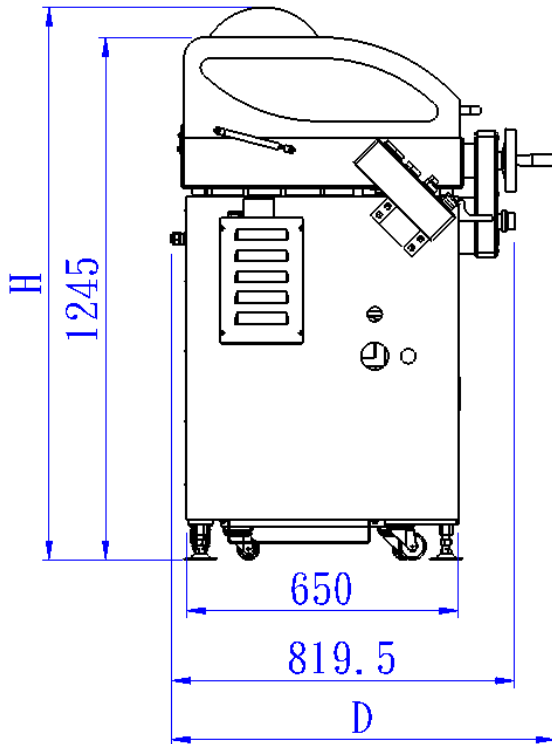
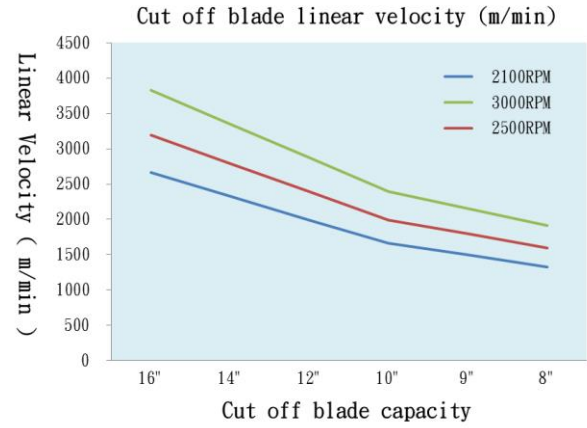
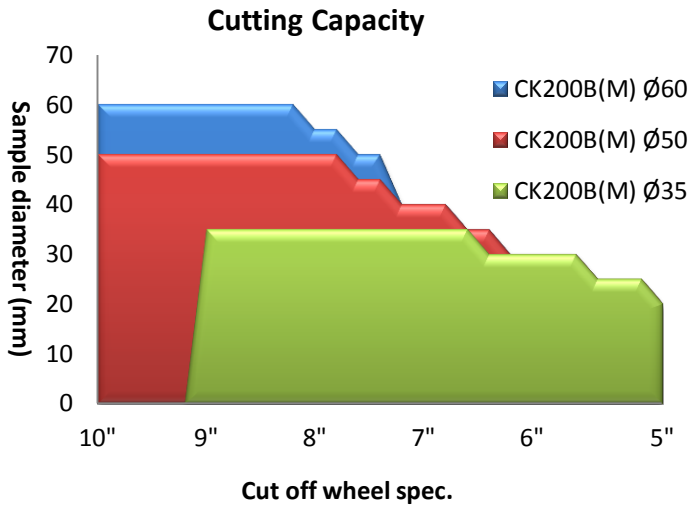


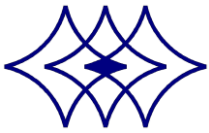
Specifications

Model No.	200M			200B		
Vise Travel	200 mm					
Motor Power	1HP	2HP	3HP	1HP	2HP	3HP
Noise Level (idling)	70~72dB	70~74dB	70~75dB	70~72dB	70~74dB	70~75dB
Cutting capacity	<a href="#">Appendix 1</a> 、 <a href="#">Appendix 2</a>					
Cutting Chamber	<a href="#">Appendix 3</a>					
Abrasive Wheel (Diameter & Arbor)	Ø230 x Ø31.75mm	Ø255 x Ø31.75mm		Ø230 x Ø31.75mm	Ø255 x Ø31.75mm	
Flange Diameter	Ø60mm			Ø60mm		
Feed Rate	Manual: Hand wheel			50~150 mm/min		
Feed Method	Manual: Hand wheel			Manual: Button & Hand wheel control		
				Auto: Home point return after cutting		
Rotational Speed	3000RPM(60Hz) / 2500RPM(50Hz)					
Vise	Separated vise with feeding table					
Vise Dimension (WxH)						
Movement in X-axis						
Pump Motor Power	1/8HP Single phase					
Recirculation Cooling System	50L					
Machine Dimension (WxDxH)	830 x 850 x 1300mm			830 x 900 x 1300mm		
Machine Weight	212Kg	218Kg	230Kg	226Kg	230Kg	250Kg
Voltage	AC 220V/380V /415V/440V Three phases (Special voltage can be customized)					
Standard Accessories	Wrenchx2pcs, cut off bladex2pcs, coolant 3L					

## Parameter

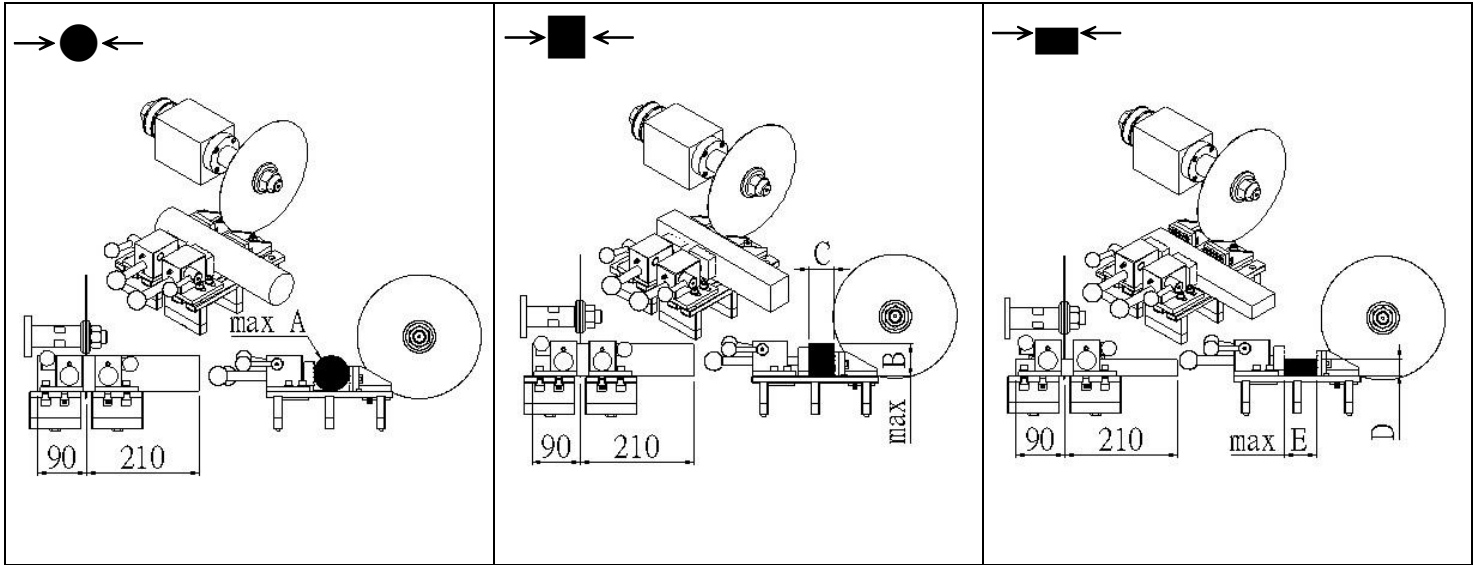
For reference only





TOP TECH

Appendix 1 – Separated vise + feeding table (Standard)



Model no.	●		■		■		Order no.
	A(mm)	A cutting area(mm <sup>2</sup> )	B(mm)	B x C	E(mm)	E x D	
CK200M(B)-1HP	∅35	961.625	35	35x27.5	65	65x14.8	C35K1006B
CK200M(B)-2HP	∅50	1962.5	50	50x39.25	65	65x30.19	C35K1006B
CK200M(B)-3HP	∅60	2826	60	60x47.1	65	65x43.48	C35K1006B

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.

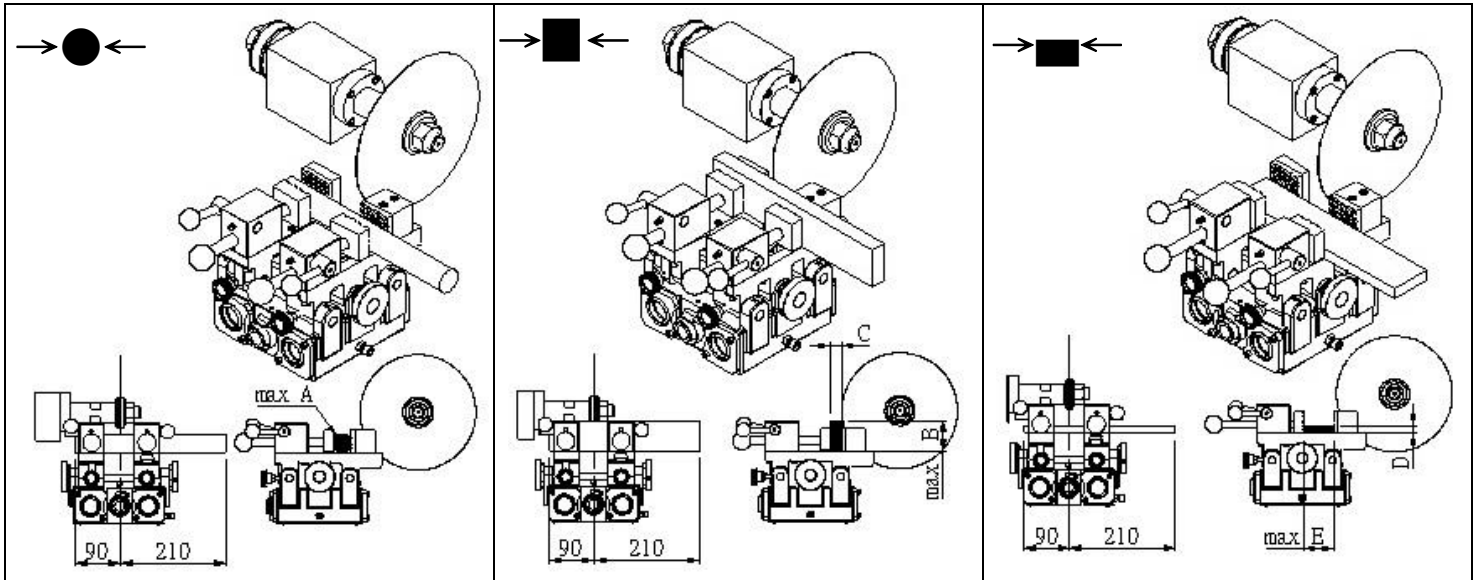
Material application: Alloy tool steel SKS, SKD, SKT, SUP as heat treatment mechanical metal components, ordinary carbon steel, mechanical structure steel S-C series, tool steel SK series, and soft steel SS series.

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



TOP TECH

Appendix 2 –Separated horizontal movement vise



Model no.	●		■		■		Order no.
	A(mm)	A cutting area(mm <sup>2</sup> )	B(mm)	B x C	E(mm)	E x D	
CK200M(B)-1HP	Ø35	961.625	35	35x27.5	60	60x16.02	C35K1006
CK200M(B)-2HP	Ø50	1962.5	50	50x39.25	60	60x32.7	C35K1006
CK200M(B)-3HP	Ø60	2826	60	60x47.1	60	60x47.1	C35K1006

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.

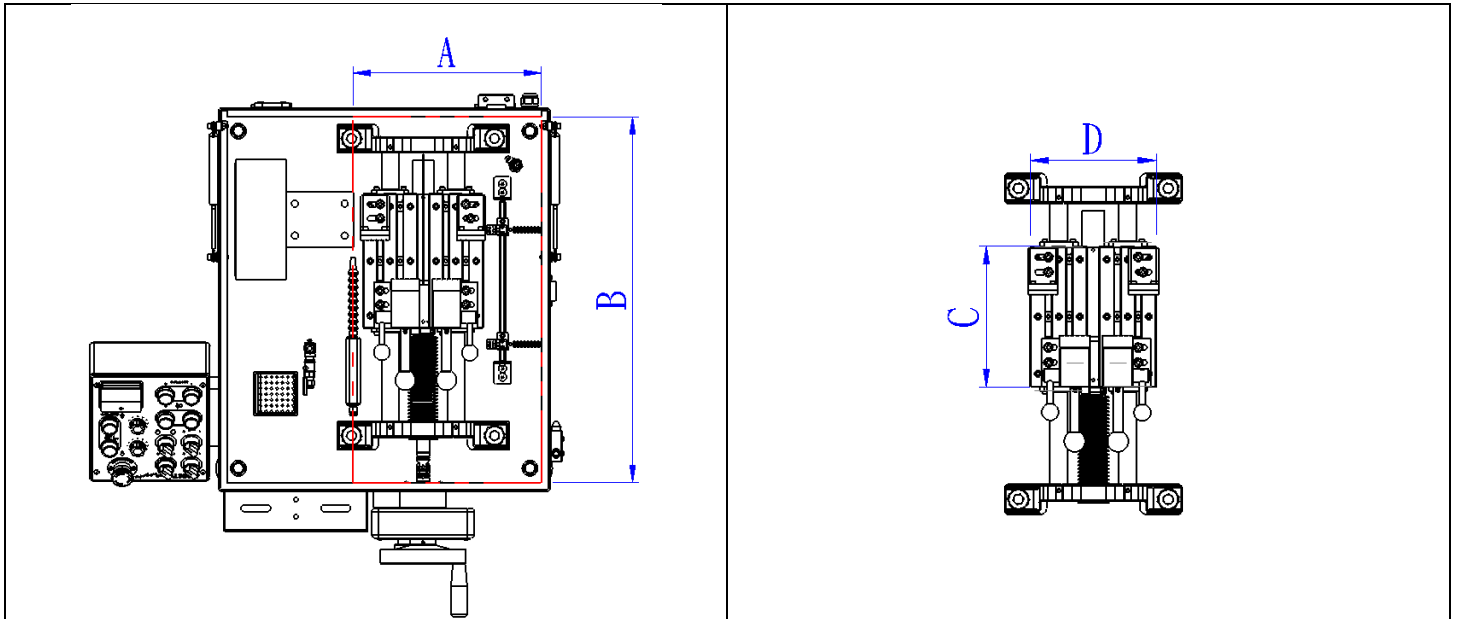
Material application: Alloy tool steel SKS, SKD, SKT, SUP as heat treatment mechanical metal components, ordinary carbon steel, mechanical structure steel S-C series, tool steel SK series, and soft steel SS series.

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



TOP TECH

### Appendix 3 – Cutting chamber capacity



Model no.	A(mm)	B(mm)	C(mm)	D(mm)
CK200M(B)-1HP	320	620	235	210
CK200M(B)-2HP	320	620	235	210
CK200M(B)-3HP	320	620	235	210



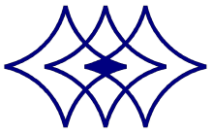




## Consumables

## Abrasive Wheel

Order No.	Materials	Model no.	Diameter* Arbor*Thickness	MOQ
S02A0101	Alloy tool steels SKS、SKD、SKT 、SUP heat treatment metal	CK200(B)(1HP)	9"(Ø230XØ31.75X1)	10
S02A0103	Alloy tool steels、 Heat treatment metal	CK200(B)(1HP)	9"(Ø230XØ31.75X1.5)	10
S02B0101A	Ordinary carbon steel、mechanical structural steel S-C series、tool steel、 soft steel SS series	CK200(B)(1HP)	9"(Ø230XØ31.75X1)	10
S02C0101	Special alloy steel、 high-speed steel and other heat treatment components	CK200(B)(1HP)	9"(Ø230XØ31.75X1)	10
S02C0901	Special alloy steel、high speed steel and other high hardness heat treatment components	CK200(B)(1HP)	9"(Ø230XØ32X1)	10
S02D0101	Ordinary cast iron FC for casting	CK200(B)(1HP)	9"(Ø230XØ31.75X1)	10
S02E0101	Non-iron metals、copper alloy	CK200(B)(1HP)	9"(Ø230XØ31.75X1)	10
S02F0101	Bakelite、Plastic、sapphire	CK200(B)(1HP)	9"(Ø230XØ31.75X1)	10
S02A0202	Alloy tool steels SKS、SKD、SKT 、SUP heat treatment metal	CK200(A)(2&3HP)	10"(Ø255XØ31.75X1.2)	10
S02B0202A	Ordinary carbon steel、mechanical structural steel S-C series、tool steel、 soft steel SS series	CK200(B)(2&3HP)	10"(Ø255XØ31.75X1.2)	10
S02C0202	Special alloy steel、 high-speed steel and other heat treatment components	CK200(B)(2&3HP)	10"(Ø255XØ31.75X1.2)	10
S02D0202	Ordinary cast iron FC for casting	CK200(B)(2&3HP)	10"(Ø255XØ31.75X1.2)	10
S02D1002B	Ordinary cast iron FC for casting	CK200(B)(2&3HP)	10"(Ø255XØ32X1.2)	10
S02E0202	Non-iron metals、copper alloy	CK200(B)(2&3HP)	10"(Ø255XØ31.75X1.2)	10
S02F0202	Bakelite、Plastic、Sapphire	CK200(B)(2&3HP)	10"(Ø255XØ31.75X1.2)	10



TOP TECH

<b>S02N10AD</b>	Ordinary carbon steel 、 mechanical structural steel S-C series 、 tool steel 、 soft steel SS series	CK200(B)(2&3HP)	10"(Ø250XØ32X1.6)	10
<b>S02N10ATC</b>	Alloy tool steels SKS 、 SKD 、 SKT 、 SUP heat treatment metal	CK200(B)(2&3HP)	10"(Ø250XØ32X1.6)	10
<b>S02N10ATS</b>	Special alloy tool steel 、 High-speed steel 、 heat treatment material	CK200(B)(2&3HP)	10"(Ø250XØ32X1.6)	10
<b>S02N10NF(SS)</b>	Ordinary carbon steel 、 mechanical structural steel tool steel 、 soft steel series	CK200(B)(2&3HP)	10"(Ø250XØ32X1.6)	10



## Consumables

## Diamond Saw

Order No.	Materials	Model no.	Diameter* Arbor*Thickness	MOQ	Remark
HW21111207	Non-iron material 、 non-metal material 、 precision cutting 、 high molecular material	CK200(B) (1HP)	8"(Ø200XØ25.4X1)	1	Electroforming
HW21111208H	Non-iron material 、 non-metal material 、 precision cutting 、 high molecular material	CK200(B) (1HP)	8"(Ø200XØ25.4X1.2)	1	Electroforming
HW21121203L	Non-iron material 、 non-metal material 、 precision cutting 、 high molecular material	CK200(B) (1HP)	8"(Ø200XØ25.4X0.6)	1	Metal-bonded
HW21121207L	Non-iron material 、 non-metal material 、 precision cutting 、 high molecular material	CK200(B) (1HP)	8"(Ø200XØ25.4X1)	1	Metal-bonded
HW21121510L	Non-iron material 、 non-metal material 、 precision cutting 、 high molecular material	CK200(B) (2&3HP)	10"(Ø250XØ31.75X2)	1	Metal-bonded

## CBN

Order No.	Materials	Model no.	Diameter* Arbor*Thickness	MOQ	Remark
HW21221503H	Iron material 、 chilled steel 、 chilled cast iron 、 super alloy 、 thermal spray materials	CK200(B) (2&3HP)	10"(Ø250XØ31.75X2)	1	
HW21221510L	Iron material 、 chilled steel 、 chilled cast iron 、 super alloy 、 thermal spray materials	CK200(B) (2&3HP)	10"(Ø250XØ31.75X2)	1	



TOP TECH

### Coolant

Order No.	Model	Capacity	Feature	MOQ	Remark
S01001	Coolant	20L	Creamy and high oil content	20L	
S01002	Coolant	1L	Creamy and high oil content	1L	

**Remark: Welcome to get the more detail information of consumables in the follow link**

<http://toptech.synology.me/Consumables/CuttingEN.pdf>





*Perfect Surface.  
Always*

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

**TOP TECH MACHINES CO.,LTD**

No.6-3,Siayuan Rd.,Dali,Taichung,412 Taiwan

Tel:886-4-24061658

Fax:886-4-24073200

<http://www.toptech.tw>

<http://toptech.snjapp.com>

E-mail: [top@toptech.tw](mailto:top@toptech.tw)

Agent:



**We reserve the right to change design without notice.**

**NO.A16-01**

<http://www.toptech.tw>