TOP TECH

Abrasive Cutting

CK260/360/460

Manual/
Auto
cutting for

Easy to
operate

http://www.toptech.tw

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Instruction

Model no.CK260

CK-260 CK-360 CK-460

Operation video

Wide window
Strong and elastic plexiglass
Easy to check during operation

Vise travel feeding
Vise feed in Y-axis

Vise with patent right
Quick dual vises with powerful clamping force

Clear control panel
Icons on panel for simple operation

Cutting Chamber
Enclosed space offer stable and quiet operating

Manual/automatic switch clutch
Quick switch function
Loose: manual
Tight: Automatic

Recirculation coolant system

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Features

Vent which allow installing ventilation equipment

Standard vise-Dual quick push clamp vise

-With the whole vise set a movement 45mm in X-axis

-With right vise movement 40mm in Y-axis

-With left vise movement 20mm in X-axis

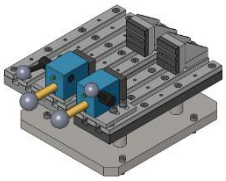
Option-Separated horizontal movement vise

-With left/right vise set a movement 20mm in X-axis individually

-With right vise movement 40mm in Y-axis

Option – T-slot vise table + separated vise

-T-slot vise bed suitable for wide ranges of vise



Option – Separated T-slot vise table + separated vise

Vise table allow cut off wheel go through table during cutting to reduce the material loss of the cut off wheel

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

	Standard vise- Dual quick push clamp vise	Option- Separated Horizontal movement vise	Option- T-slot vise table+ separated vise	Option- Separated T-slot vise table + separated vise
Sample size	Appendix 1	Appendix 2	Appendix 3	Appendix 4

Order no.	Model no.	Specification
CK-001 **Protection function of cutting load**	CK260(**Option**) CK360(**Option**) CK460(**Option**)	-Machine would stop working for 3 seconds when first time overload. Start to work after the electric current drop back to normal value -If the machine overloads for consecutive four times, it would stop all the works automatically and return to the origin
CK-004 **Variable spindle rotation speed**	All model types	Frequency transformer for Variable spindle rotation speed ±50%
CK120E03B **Powerful type spindle**	CK260(**N/A**) CK360(**Option**) CK460(**Option**)	Increase the spindle diameter and replace the standard bearing to dual bearing which can sustain greater cutting force and continually operation

Clear control panel
Easy to use

Option
CK-001 Protection function of cutting load

Option
CK-004 Variable spindle rotation speed ±50%

Option
Magnetic filtration recirculation coolant system
CK-003 (120L)
CK-003-1(160L)
CK-003-2(200L)

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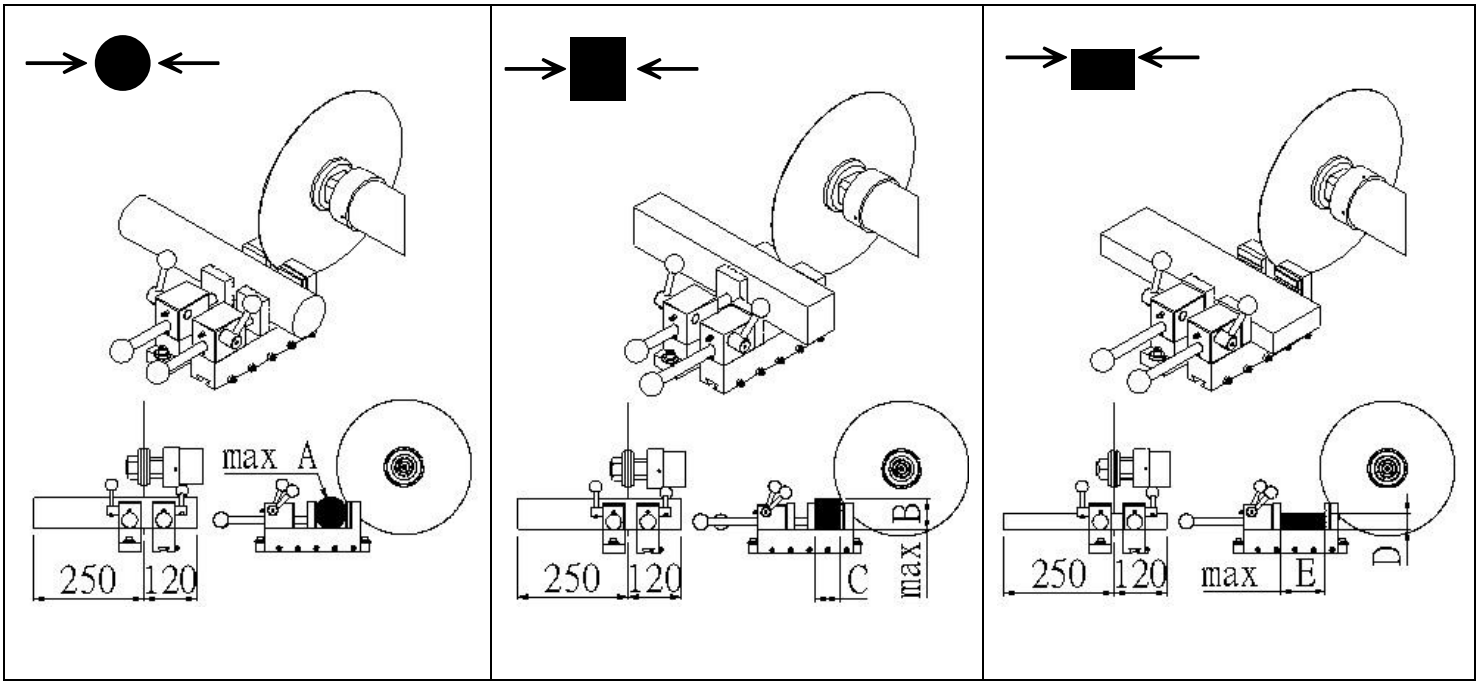
Appendix 1 –Dual quick push clamp vise (Standard)



Model no.	●		■		▬		Order no.
	A(mm)	A cutting area(mm^2)	B(mm)	B x C	E(mm)	E x D	
CK260-3HP	Ø70	3846.5	70	70x54.95	100	100x38.46	CK70G03
CK260-5HP	Ø90	6358.5	90	90x70.64	100	100x63.58	CK70G03
CK360-5HP	Ø90	6358.5	90	90x70.64	150	150x42.39	CK90G03
CK360-7.5HP	Ø120	11304	120	120x94.2	150	150x75.36	CK90G03
CK460-10HP	Ø120	11304	120	120x94.2	200	200x56.52	CK120G03

Square area surface calculation method:

The maximum height is B, the maximum width is E. B x C or E x D≦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

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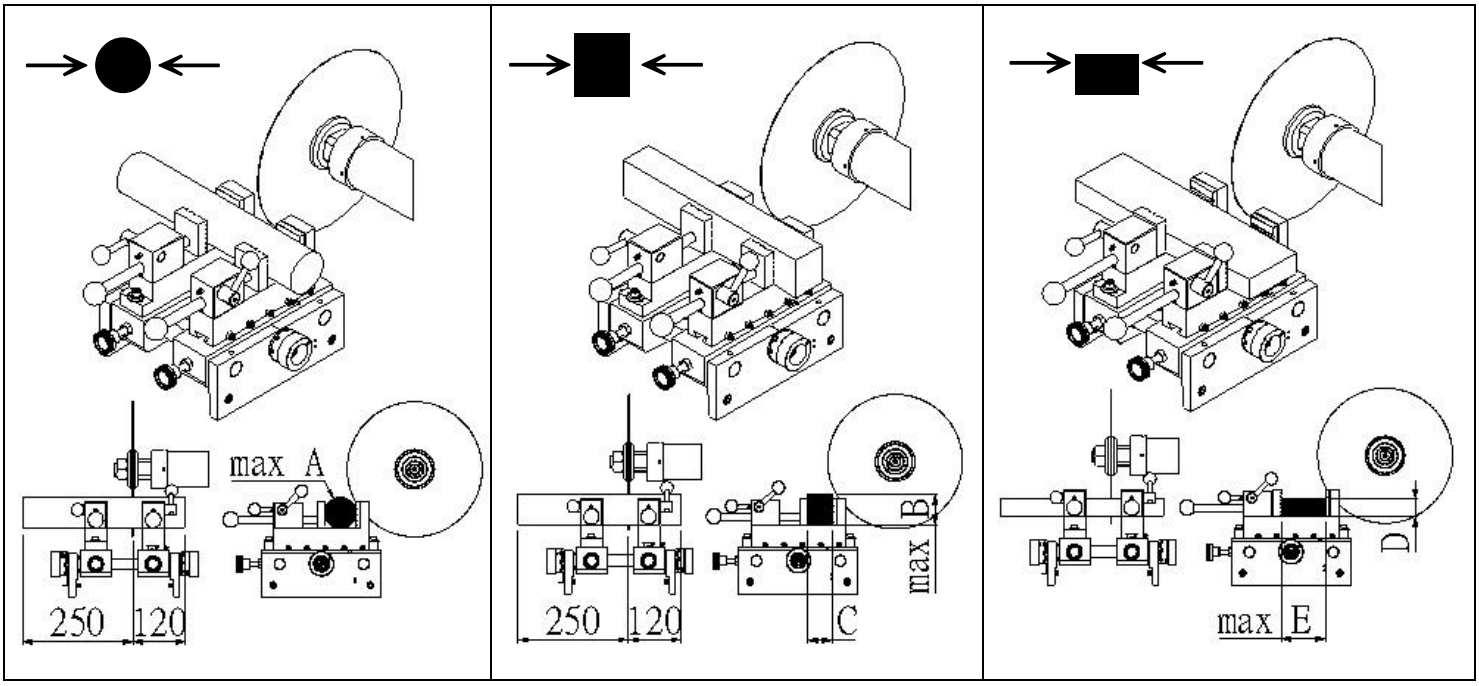
Appendix 2 – Separated horizontal movement vise (Option)



Model no.	●		■		▬		Order no.
	A(mm)	A cutting area(mm^2)	B(mm)	B x C	E(mm)	E x D	
CK260-3HP	Ø70	3846.5	70	70x54.95	100	100x38.46	CK70E04
CK260-5HP	Ø90	6358.5	90	90x70.64	100	100x63.58	CK90E04
CK360-5HP	Ø90	6358.5	90	90x70.64	150	150x42.39	CK90E04
CK360-7.5HP	Ø120	11304	120	120x94.2	150	150x75.36	CK120E04
CK460-10HP	Ø120	11304	120	120x94.2	200	200x56.52	CK120E04

Square area surface calculation method:

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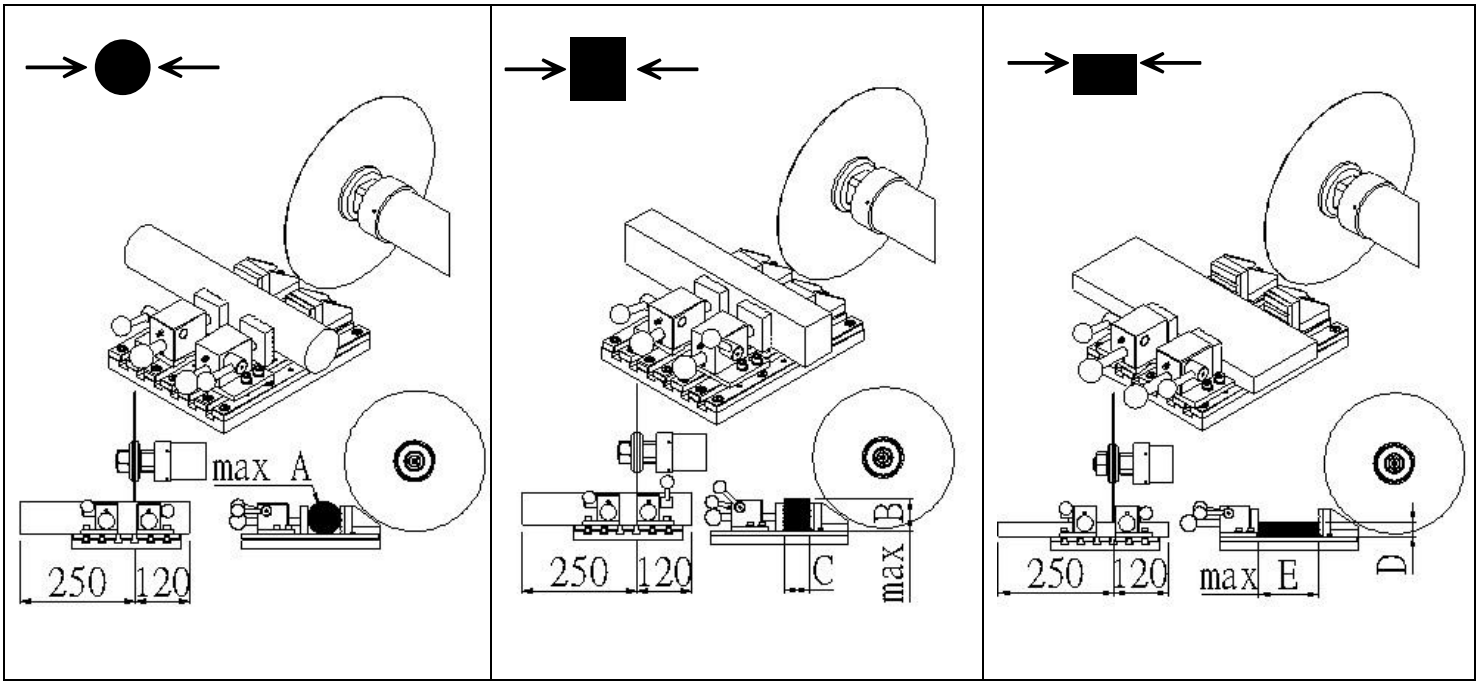
Appendix 3 – T-slot vise table + separated vise (Option)



Model no.	●		■		▬		Order no.
	A(mm)	A cutting area(mm^2)	B(mm)	B x C	E(mm)	E x D	
CK260-3HP	Ø70	3846.5	70	70x54.95	130	130x29.58	CZ06C
CK260-5HP	Ø90	6358.5	90	90x70.64	130	130x48.91	CZ06C
CK360-5HP	Ø90	6358.5	90	90x70.64	130	130x48.91	CZ06C
CK360-7.5HP	Ø120	11304	120	120x94.2	130	130x86.95	CZ06C
CK460-10HP	Ø120	11304	120	120x94.2	170	170x66.49	CZ04D

Square area surface calculation method:

The maximum height is B, the maximum width is E. B x C or E x D≦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

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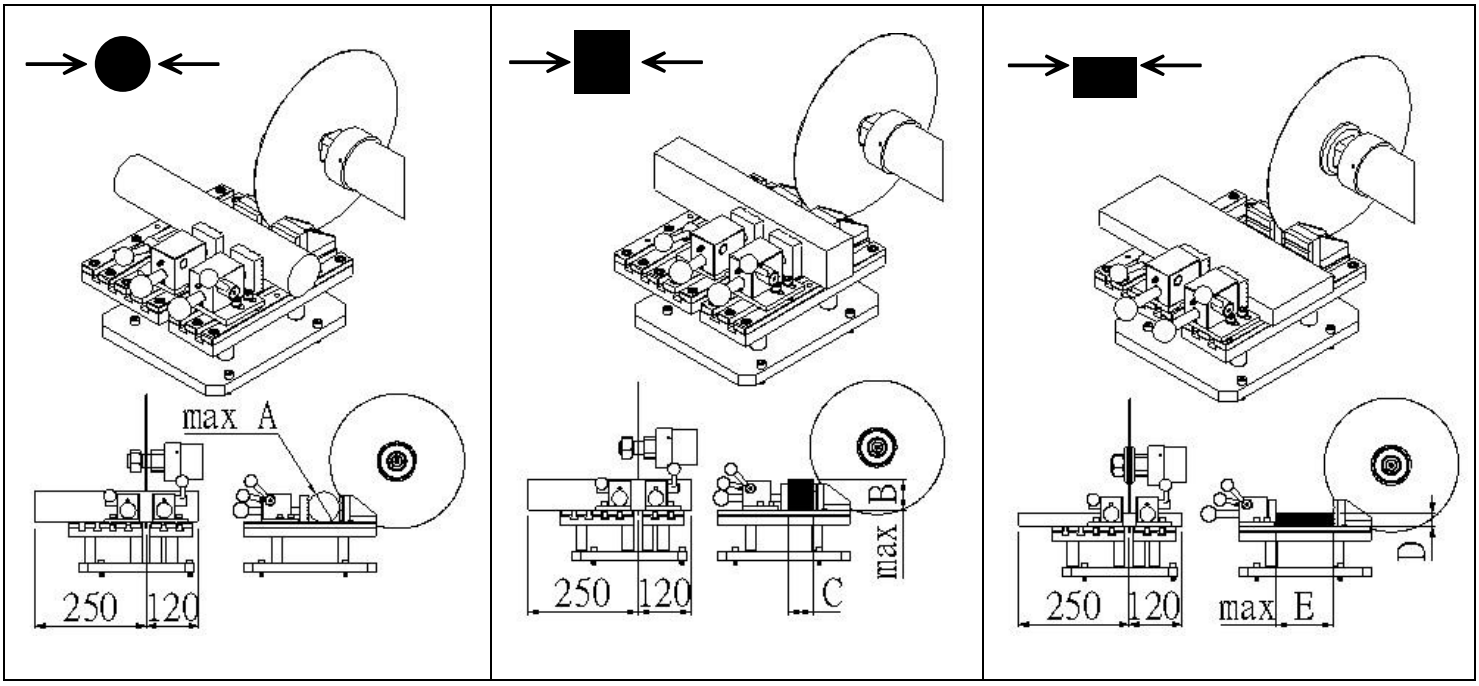
Appendix 4 – Separated T-slot vise table + separated vise (Option)



Model no.	●		▮		▬		Order no.
	A(mm)	A cutting area(mm^2)	B(mm)	B x C	E(mm)	E x D	
CK260-3HP	Ø70	3846.5	70	70x54.95	130	130x29.58	CK90E02A
CK260-5HP	Ø90	6358.5	90	90x70.64	130	130x48.91	CK90E02A
CK360-5HP	Ø90	6358.5	90	90x70.64	170	170x37.4	CK120E02A
CK360-7.5HP	Ø120	11304	120	120x94.2	170	170x66.49	CK120E02A
CK460-10HP	Ø120	11304	120	120x94.2	170	170x66.49	CK120E02A

Square area surface calculation method:

The maximum height is B, the maximum width is E. B x C or E x D≦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

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Specifications

Model No.		260		360		460
Vise Travel		260mm	260mm	360mm	360mm	460mm
Motor Power		3HP (2300W)	5HP (3800W)	5HP (3800W)	7.5HP (5600W)	10HP (7500W)
Noise Level (idling)		68~72dB	68~72dB	70~75dB	70~75dB	70~78dB
Cutting Capacity		Appendix 1、Appendix 2、Appendix 3、Appendix 4				
Cutting Chamber		Appendix 5				
Abrasive Wheel (Diameter & Arbor)		Ø305 × Ø31.75(Ø32)mm			Ø406 × Ø32mm	
Flange Diameter		Ø85			Ø85 & Ø100	
Feed Rate		Standard: 10~150 mm/min Option:10~75 mm/min		Standard:10~75 mm/min (Special feed rate can be customized)		
Feed Method	Automatic	Home point return after cutting				
	Manual	Hand wheel and button control				
Rotational Speed		2500RPM(60Hz) / 2100RPM(50Hz)				
Vise		Dual quick push clamp vise				
Vise Dimension (WxH)		100mm x 60mm		150mm x 60(85)mm		200mm x 60(85)mm
Movement in X-axis		45mm				
Pump Motor Power		1/4HP (190W) Thee phases				
Recirculation Cooling System		100L		120L		
Machine Dimension (WxDxH)		105 x 110 x 155cm		105 x 125 x 162cm		105 x 145 x 162cm
Machine Weight		358Kg	365Kg	454Kg	476Kg	503Kg
Voltage		AC 220V/380V /415V/440V Three phases (Special voltage can be customized)				
Standard Accessories		Wrench x 2pcs, cut off blade x 2pcs				
		Coolant 5L		Coolant 6L		