



TOP TECH

PRECISO-CL SERIES



*Perfect Surface.
Always*

CLM50

7-inch color touch panel with easy programming and intuitive operation with three-axis precision cutting, which packed with the user-friendly function such as zeroing, fast positioning and cutting distance setting. Powerful LED illumination makes the observation more easily and electromagnetic lock provides the user a safe environment for operation.



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Instruction

Intuitive touch panel, easy operation

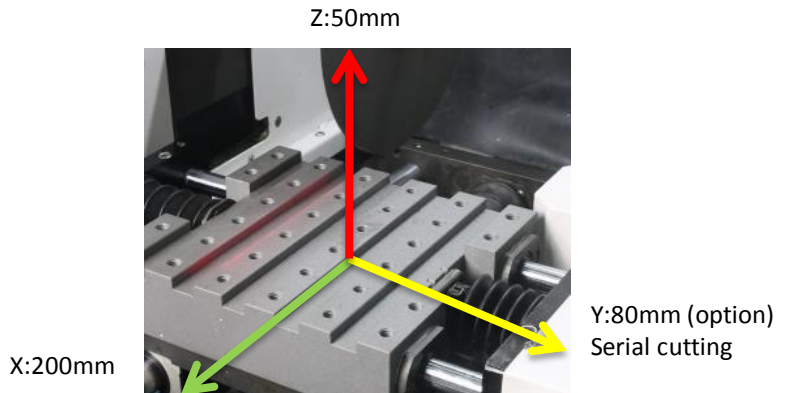
Intuitive touch panel with high recognition graphics makes the operation more easily.



Rotational speed

The cut-off wheel speed can be set up to 5000 rpm. This can easily satisfy all kinds of material cutting with precision parameter setting and cut-off wheel of Top Tech.





The longitudinal movement (X-axis) can be set up to 200mm with feeding cutting.

The horizontal movement (Y-axis) can be set up to 80 mm with serial cutting. The vertical movement (Z-axis) can be set up to 50mm. With the height movement, the consumables can be saved according to the size of cut-off wheel.

Intelligence cut

The feeding rate will adjust automatically according to different thickness and hardness of the materials. When the motor is overloaded, the speed will reduce to appropriate value automatically. When the overload of motor reduces, the speed will return to the setting value.



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Method database

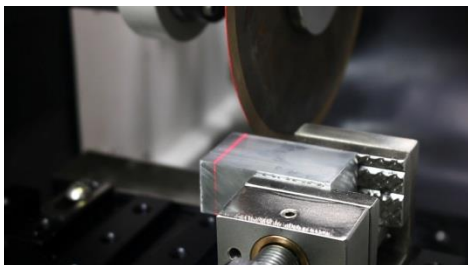
A library of 10 different memory methods can be used with different materials and parameters.

Types of TOP TECH cut-off wheel				
Numbering	Name of cut-off wheel	Rotation speed	Feed rate	Cut-off wheel thickness
0	HW21121297	2000	0.05	1.00
1	HW21111298	2000	0.05	1.20
2	HW21221297	2000	0.05	1.00
3		500	0.01	0.10
4		500	0.01	0.10
5		500	0.01	0.10
6		500	0.01	0.10
7		500	0.01	0.10
8		500	0.01	0.10
9		500	0.01	0.10

Choose recipe Close the screen

Laser alignment

Machine is equipped with laser alignment. This will help user define the exact position during the operation.



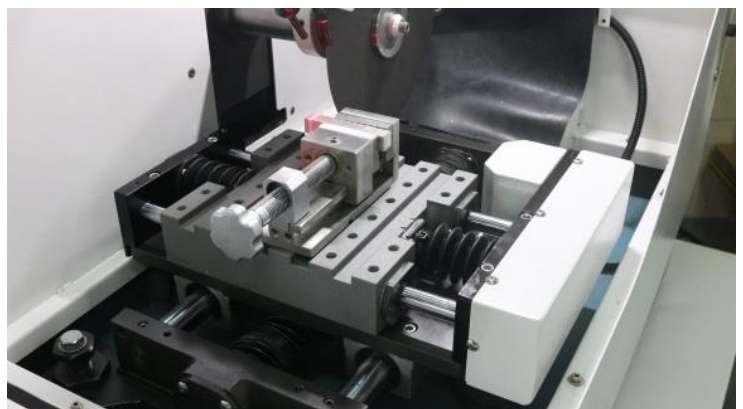
Serial cutting

With optional horizontal movement set, slicing equal thickness or different thickness is possible. Four slices of different thickness can be set.



LED

Cutting chamber which is illuminated by powerful LED makes it easy to observe the cutting process.



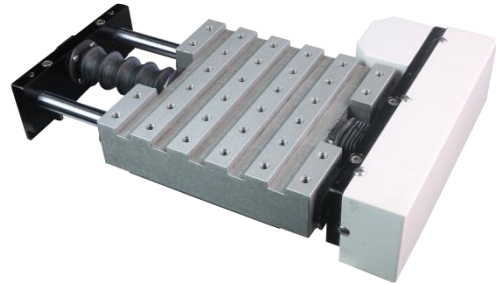
Option

Cutting platform

T-slot table (standard)
Dimension:317*210mm



Horizontal movement set (option)
Size:195*180mm



Vise

Separated Screw Vise Set
(standard)



Quick screw vise



Specification:50mm(W)*30mm(H)

Quick clamping vise kit



Quick vise kit



Fragile vise
Size:50*28mm(W*D)



Teardrop type vise
Size:Ø25mm



Irregular vise
Size:40*25*40mm(W*D*H)



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Desk for metallographic equipment



Model

TF01

TF02

Dimension(W*D*H)

1000*800*700 mm

1200*1000*700 mm

Sample



Specification

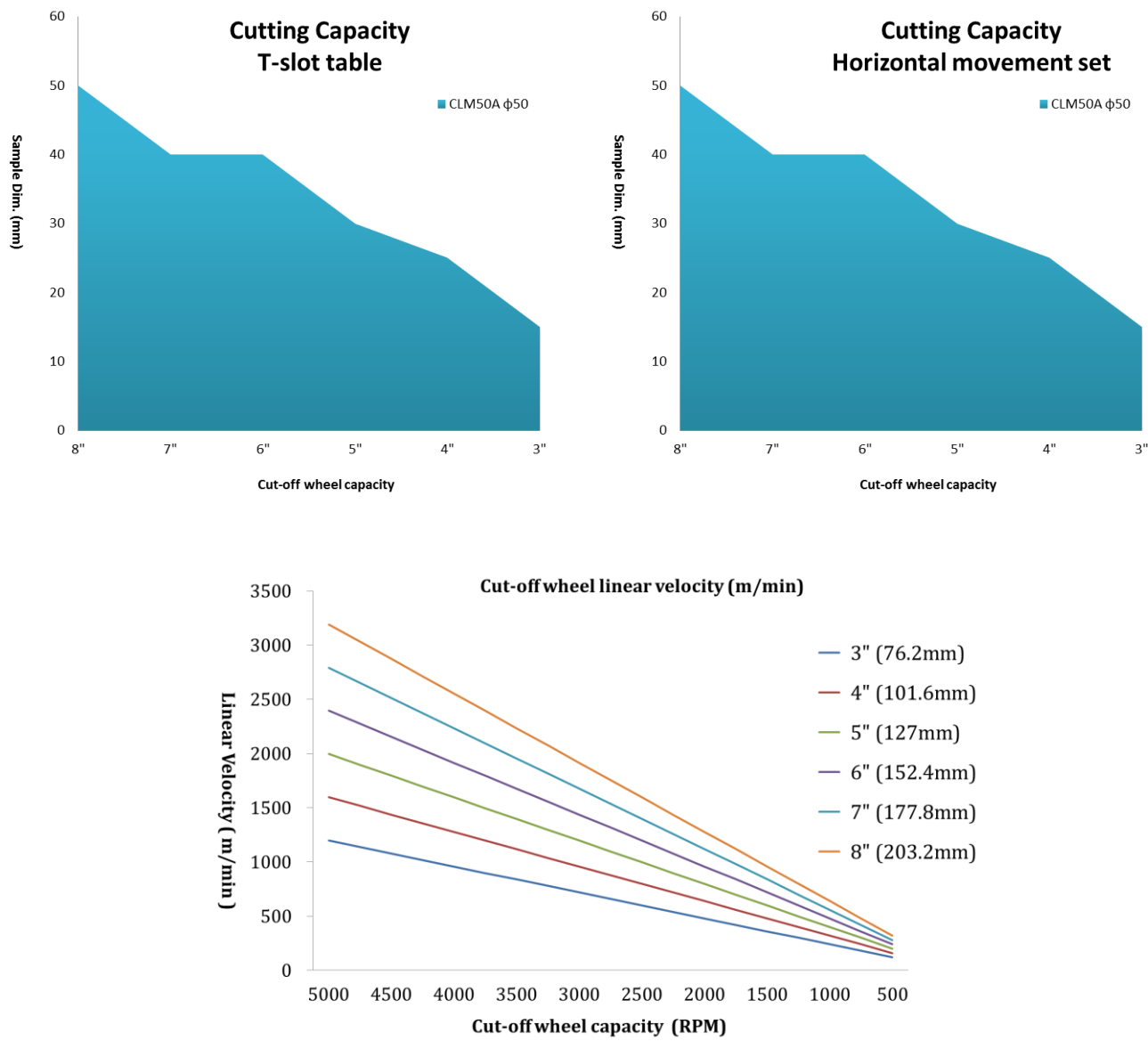
Model		CLM50
Vise travel (mm)		200
Feeding rate	Manual (mm/s)	0.01~5
	Auto. (mm/s)	0.01~5
Spindle travel (mm)		50 ↑↓
Motor power (w)		1500
Cutting capacity (mm)		Φ50
Cut-off wheel (inch)		φ3" ~ φ8"
Arbor (mm)		φ12.7 or φ25.4
Flange/Dia. (mm)		φ40 & φ60 & φ80
Cutting mode		Normal, Serial cutting function (optional)
Smart function		Intelligent speed adjustment
Rotational speed (rpm)		500~5000
Coolant capacity (L)		External : 50
Dimension WxDxH (mm)		850x850x600
Weight (kg)		166 Kg

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Parameter



- 1.Parameter for reference only.
- 2.Practical parameter depends on wheel, sample material, cutting speed, vise, etc.

Consumables

Diamond blade

Electroplating



Order No.	Size	Dia. x Arbor x Thickness (mm)	Package(pcs/box)
For cutting of glass, ceramic, gem, asbestos, alloy, and rubber			
HW21110607	5"	Ø125xØ12.7x1.0	1
HW21110808	6"	Ø150xØ25.4x1.2	1
HW21111008	7"	Ø175xØ25.4x1.2	1
HW21111208H	8"	Ø200xØ25.4x1.2	1

Metal bond



Order No.	Size	Dia. x Arbor x Thickness (mm)	Package(pcs/box)
For cutting of cement, non-metal material, alloy, and electronic material			
HW21120502L	4"	Ø100xØ12.7x0.5	1
HW21120602L	5"	Ø125xØ12.7x0.5	1
HW21120702L	6"	Ø150xØ12.7x0.5	1
HW21121003L	7"	Ø175xØ25.4x0.6	1
HW21121207L	8"	Ø200xØ25.4x1.0	1

Resin bond



Order No.	Size	Dia. x Arbor x Thickness (mm)	Package(pcs/box)
For cutting of quartz, glass, non-iron metal, ceramic, and silicon wafer			
HW21130502L	4"	Ø100xØ12.7x0.5	1
HW21130602L	5"	Ø125xØ12.7x0.5	1
HW21130702L	6"	Ø150xØ12.7x0.5	1
HW21131003L	7"	Ø175xØ25.4x0.6	1

CBN blade

Electroplating

Order No.	Size	Dia. x Arbor x Thickness (mm)	Package(pcs/box)
For cutting of high speed steel, alloy steel, tool steel, stainless steel, and magnetic material			
HW21210607L	5"	Ø125xØ12.7x1.0	1
HW21210808L	6"	Ø150xØ25.4x1.2	1
HW21211008L	7"	Ø175xØ25.4x1.2	1

Metal bond



Order No.	Size	Dia. x Arbor x Thickness (mm)	Package(pcs/box)
For cutting of high speed steel, alloy steel, tool steel, stainless steel, and magnetic material			
HW21220602L	5"	Ø125xØ12.7x0.5	1
HW21220702L	6"	Ø150xØ12.7x0.5	1
HW21221003L	7"	Ø175xØ25.4x0.6	1

Resin bond

Order No.	Size	Dia. x Arbor x Thickness (mm)	Package(pcs/box)
	For cutting of hard steel, ferrous sintering metal, bearing, hard alloy, and forged iron		
HW21230602L	5"	Ø125xØ12.7x0.5	1
HW21230702L	6"	Ø150xØ12.7x0.5	1
HW21231005L	7"	Ø175xØ25.4x0.8	1

Cutting fluid



Order No.	Cutting Fluid
S01003	Oily, Transparent(Red Bottle Cap), 20L
S01004	Oily, Transparent (Red Bottle Cap), 1L

Top Tech worldwide distributors



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