



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

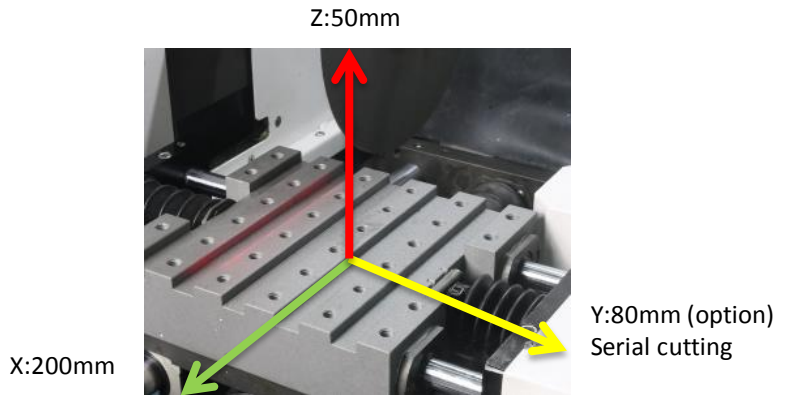
Intuitive touch panel with high recognition graphics makes the operation more easily.



### 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.

Numbering	Name of cut-off wheel	Rotation speed	Feed rate	Cut-off wheel thickness
0	HW21121207	2000	0.05	1.00
1	HW21111208	2000	0.05	1.20
2	HW21221207	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

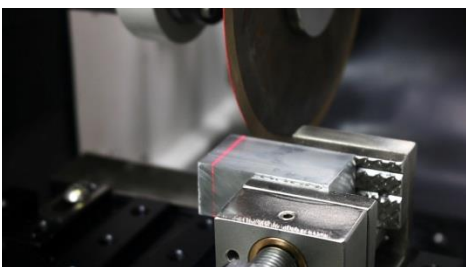
## Serial cutting

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



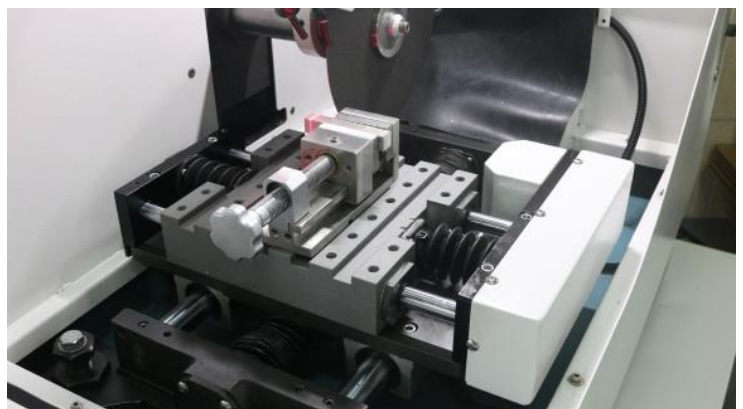
## Laser alignment

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



## LED

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



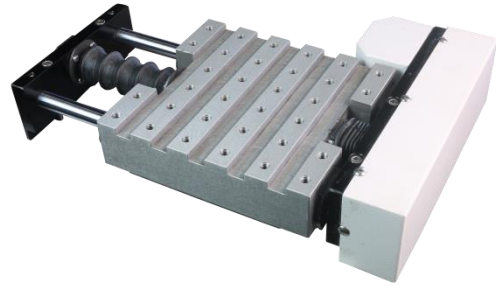
# Option

## 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



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



Teardrop type vise  
Size:∅25mm

Quick vise kit



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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