

M16 Electric Tapping Machine



Features

- The machine adopt servo drive control, with intelligent torque protection, supersede traditional lathe and drilling machine, overcome limitation of manual tapping.
- Advanced mechanical design, various of parts casted by mould, with very high rigidity, durable without deformation, attractive appearance.
- HD Touch Screen makes the operation much more convenient and flexible, can realize work vertical and universal direction to complicated and cumbersome work, positioning rapidly and process accurately.
- Stepless speed changes, Manual Mode, Automatic Mode and Deep Hole Mode, three work mode optional.
- Automatic Mode can control tapping depth precisely, no need button operation, controlled by depth controller automatically.
- Repetitive positioning rapidly, high work efficiency, fast tapping speed.
- Can tapping all kinds of lead, steel, iron, copper, aluminum, plastic and other materials.

3-Arm Model

Specifications

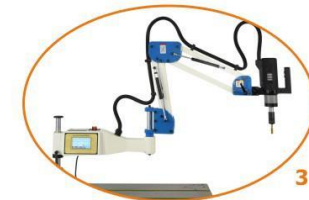
Model	ETM 10	ETM 12	ETM 16
Tapping Range	M3-M10	M3-M12	M3-M16
Power	220V/110V,50HZ,600W		
Highest Speed	1000rpm	625rpm	312rpm
Max Work Radius	1100mm(3-Arm: 1500mm)		
Vertical Extension	550mm		
Gross Weight	30kg		
Tapping Direction	Universal Direction		
Standard Chucks (ISO Standard)	GT12,M3-M10	GT12,M3-M12	GT12,M3-M16
	DIN371/376 , JIS or other standard collets optional		

M36 Electric Tapping Machine



Features

- The machine adopt servo drive control, with intelligent torque protection, supersede traditional lathe and drilling machine, overcome limitation of manual tapping.
- Advanced mechanical design, various of parts casted by mould, with very high rigidity, durable without deformation, attractive appearance.
- HD Touch Screen makes the operation much more convenient and flexible, can realize work vertical and universal direction to complicated and cumbersome work, positioning rapidly and process accurately.
- Stepless speed changes, Manual Mode, Automatic Mode and Deep Hole Mode, three work mode optional.
- Automatic Mode can control tapping depth precisely, no need button operation, controlled by depth controller automatically.
- Repetitive positioning rapidly, high work efficiency, fast tapping speed.
- Can tapping all kinds of lead, steel, iron, copper, aluminum, plastic and other materials.



3-Arm Model

Specifications

Model	ETM 24	ETM 30	ETM 36
Tapping Range	M6-M24	M6-M30	M6-M36
Power	220V/110V,50HZ,1200W		
Highest Speed	250rpm	200rpm	156rpm
Max Work Radius	1200mm(3-Arm: 1700mm)		
Vertical Extension	600mm		
Tapping Direction	Universal Direction		
Standard Chucks (ISO Standard)	GT24,M6-M24	GT24,M6-M30	GT24,M6-M36
	DIN371/376 , JIS or other standard collets optional		

The Servo Electric Tapping Machine Control system

Introduction to the interface and operation:

Power on , the system will enter into the boot interface , click anywhere on this picture it will enter into the operation interface .

The Servo Electric Tapping Machine

[Click to enter the running interface](#)

一、 Ordinary operation

- (1) **Thread** Click the Thread enter into the 'Metric thread 1' , choose the thread , it will automatically generate the thread pitch and torque.

Thread	Thread pitch	Tapping depth	
M1.00	0.250 mm	10.00 mm	
Feed speed	Torque	HAND	
200 rpm	0.40 N.m		
Rollback speed	Counter		
300 rpm	1	Clear	
User parameter	Machine parameter	Deep hole operation	Ordinary operation

- (2) **Thread pitch** In the Metric thread interface , if you choose the thread , it will automatically generate the thread pitch . Or you can use nonstandard pitch setting value.
- (3) **Tapping depth** The tapping depth setting, minimum value is 0.01mm.
- (4) **Feed speed** The tapping machine feed speed setting , maximum speed of the motor is 3000rpm , when the value it is multiply the feed speed by the register ratio that bigger then 3000, it will show error 'Speed setting error' ,you need to set again.
- (5) **Rollback speed** The tapping machine rollback speed setting , , when the value it is multiply the rollback speed by the register ratio that bigger then "Motor speed limit", it will show error 'Speed setting error' ,you need to set again.

- (6) **Torque setting** When you choose the thread, it will automatically generate the torque.
- (7) **Counter** In the auto mode , add a number if you have done a complete process . Maximum value is 50000.
- (8) **The shift of the hand mode and auto mode** The system default hand mode, change the mode you need to click the button. When show the hand the system is hand mode, when show the auto the system is auto mode. When the system is running, if you click the button it will be stop and change to new mode. When "Number of linkage" more then 1, the system is linkage mode.

Metric thread 1					
M1	M2	M3	M4	M5	Inch
M6	M8	M9	M10	M12	Page up
M14	M16	M18	M20	M22	Page down
M24	M27	M30	M33	M36	Return

Metric thread 2					
M39	M42	M45	M48	M52	Inch
M56	M60	M64	M68	M72	Page up
M76	M80				Page down
					Return

Inch thread 1					
1/16	3/32	1/8	5/32	3/16	Metric
7/32	1/4	5/16	3/8	7/16	Page up
1/2	5/8	3/4	7/8	1	Page down
1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	Return

Inch thread 2					
1 3/4	1 7/8	2	2 1/4	2 1/2	Metric
2 3/4	3	3 1/4	3 1/2	3 3/4	Page up
4					Page down
					Return

二、 Deep hole operation

- (1) **Thread** Click the Thread enter into the 'Metric thread 1', choose the thread , it will automatically generate the thread pitch and torque.

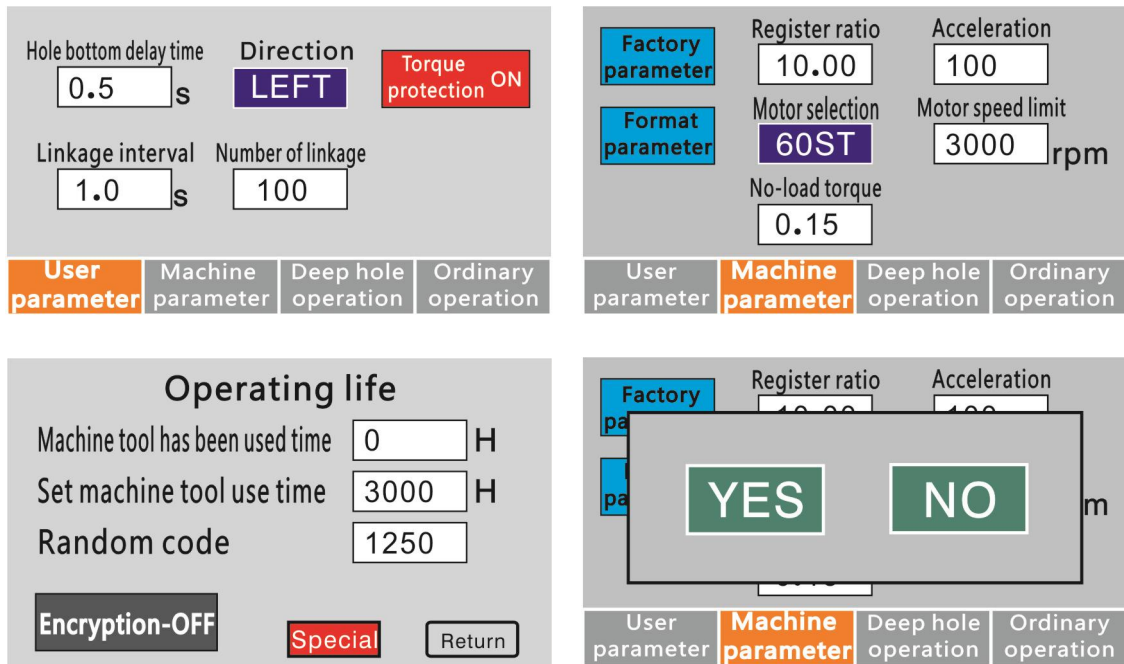
Thread	Thread pitch	Tapping depth	
M1.00	0.250 mm	10.00 mm	
Feed speed	Feed depth		HAND
200 rpm	2 mm		
Rollback speed	Rollback depth		
300 rpm	1 mm		
User parameter	Machine parameter	Deep hole operation	Ordinary operation

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- (2) **Thread pitch** In the Metric thread interface , if you choose the thread , it will automatically generate the thread pitch . Or you can use nonstandard pitch setting value.
 - (3) **Tapping depth** The tapping depth setting , minimum value is 0.01mm.
 - (4) **Feed speed** The tapping machine feed speed setting , maximum speed of the motor is 3000rpm , when the value it is multiply the feed speed by the register ratio that bigger then 3000, it will show error 'Speed setting error' ,you need to set again.
 - (5) **Rollback speed** The tapping machine rollback speed setting , , when the value it is multiply the rollback speed by the register ratio that bigger then "Motor speed limit", it will show error 'Speed setting error' ,you need to set again.
 - (6) **Feed depth** Set the feed depth of the Deep hole operation.
 - (7) **Rollback depth** Set the Rollback depth of the Deep hole operation.
 - (8) **The shift of the hand mode and auto mode** The system default hand mode, change the mode you need to click the button. When show the hand the system is hand mode, when show the auto the system is auto mode. When the system is running, if you click the button it will be stop and change to new mode. When "Number of linkage" more then 1, the system is linkage mode.

三、 User parameter

- (1) **Hole bottom delay time** Delay time set in the bottom of the hole.
- (2) **Thread direction** Click the button to choose the thread direction.
- (3) **Linkage interval** In the linkage mode, When tapping time after the completion of the next tapping on the intermittent time.
- (4) **Number of linkage** When "Number of linkage" more then 1, the system is linkage mode.

(5) **Torque protection** Click the button to open or close it.



四、 User parameter (Password:112233)

- (1) **Register ratio** Register ratio of the machine, minimum value is 1.
- (2) **Acceleration** Set system acceleration.
- (3) **Motor speed limit** Set the top speed of the motor, top speed is 5000RPM.

(4) **Motor selection** Select the current motor model.

(5) **Factory parameter (Password:135246)**

(6) **General/Special**

General: Does not show the name of the client company when the boot.

Special: Display the name of the client company at boot time.

(7) **Format parameter** Click on the button, "YES" to Format the parameter, "NO" to close it, When Format the parameter, You will be prompted "power off please!"