

**EC Printing Machine Factory Limited**

# 台式平面丝印机

**Desktop Mini Screen Printing Machine**

## 使用说明书

**Operation Manual**



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## 一、机器简介 Machine brief

这是一款小型的台面式平面丝印机，外形小巧，操作极其方便，初学者也可以快速入门；它运行速度快，性能稳定，可在较小的厂房空间组成丝印生产线；特别适合小批量打样印刷，印刷的图案清晰逼真，美观适用，尤其适用手机按键，镜片印刷，以及其它小型产品的图案 LOGO 印刷，如：CD 盒，礼品盒等。

This model is a small desktop flat screen print machine, with the features of Pawley shape, simply operation, and can be easy operate by new user; It's speed quickly, and the property steady. which can compose the screen print line in small workshop or in small room; it suit for small quantity sample print, and the printed LOGO clearly, aesthetic. It suit for the mobile keyboard, the eyeglass and the other small produce's LOGO printing, such as the CD box print, the gift box print and so on.

## 二、技术参数 Technique parameter:

机型号 Model	EC-2030T
机型特点 Features	T 槽型 T slot
电源 power	110V/ 220V
印刷面积 Print size	250X350MM
左右行程 transverse stroke	400MM
上下行程 vertical-stroke	120MM
工作气压 air pressure	5—7BAR
机器重量 weight	140KG
印刷速度 speed	1200次/小时1200Pcs/h
网版尺寸 frame size	400X600MM
工作台面积 Work-table	250X450MM



### 三. 面板操作说明 Panel operation illustrate

各按键说明: All key-press illustrate:



“109” is the lowest speed , “ 199 ” is the fastest speed .



( 1 ) 面板上按此键启动机器，机器进入自动运行状态，除非再按一次此键或者脚踏开关，可停止机器

Press the Run key the machine going automatic running; press this key again or press the Foot switch can stop the machine.

(2) 用脚踏开关启动机器则进入半自动状态，完成一个循环后停止

Press the foot switch the machine will go in self-automatic running, finish a working circle stop.



This key have two functions:

( 1 )

Print-blade and ink blade convert: press this key when the machine stop, the print-blade and ink blade convert once, it facility to check the position and state of the print-blade and ink blade.

( 2 )

Print-blade and ink blade convert: press this key when the machine stop, the print-blade and ink

blade convert tw times.

**Left/Right key** :


This key have two function, it will activated when the machine stop:

( 1 )

Press this key once, if the print principal in the right, the print principal will slip to left side, if the print principal in the left, the print principals will slip to right side; it is the print principals left and right crawl control key.

( 2 )

Press this key, the print principal stop in left hand, in self-automatic state, press the start key, after one print circle finished, the print principal will stop in left side, not oil return; when startup it again, the print principal will oil return and printing. If the print principal stop in the right side, in self-automatic state, press the start key, after one print circle, the print principal will stop in right side, wait the next print circle start.

**UP/Down key** :

Press this key in the machine stop situation, the machine will slide up or down once.

**Speed key** :

109- 199 speed select:

If you want to working in automatic state, you need to select the working speed, 109-199 speed can select, which stand for the stay time between every work circle finished, to the next work circle start. 109 is the fastest speed,199 is the slowest speed. The accurate speed need to detect as the different product and the worker's skill.

{Vacuum key} (it will have this function if machine have vacuum inspiration action)



The key have two status, when the machine running, it will inspiration automatic, as the machine running, inspiration closed; press this key once, it will be inspiration both the machine run or stop; press this key again, the machine will going to automatic inspiration status, if not need inspiration ,at the side of the control panel have a inspiration close key, press this key closed; if press this key when the machine stop, press this key overtime, the counter will reset.

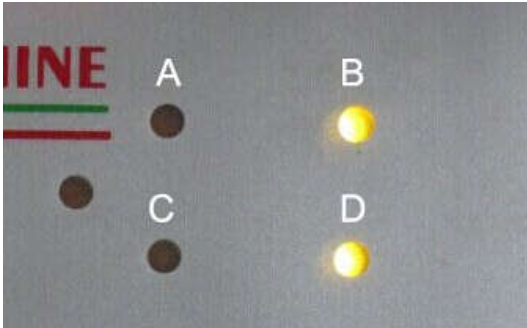
**Air Supply key** :

The key is used to open and close the air supply of machine .



**Setting key** :

The key have two status, triangle running printing and quadrilateral running printing



triangle running printing : B -- D --- C --- B , triangle circulate printing , this status can high speed printing .

quadrilateral running printing : A-- B -- D --- C ---A . quadrilateral circulate printing .



**Man/Auto key** :

Man is semi-auto running , control by foot switch .

Auto is automatic running .



Barometer display



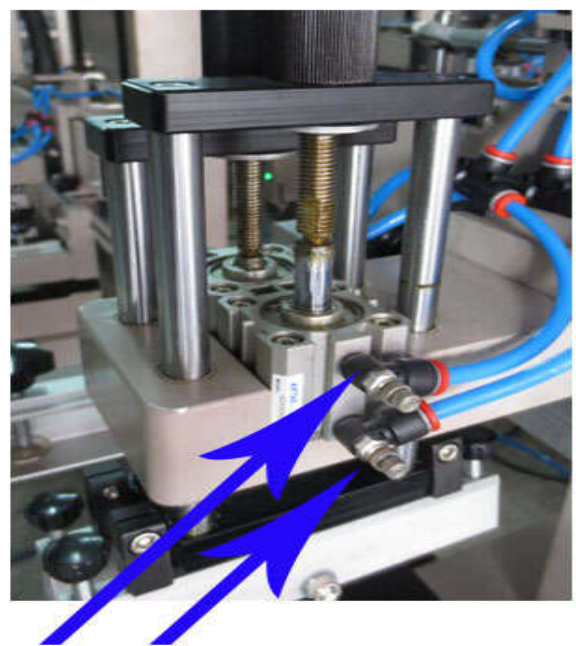
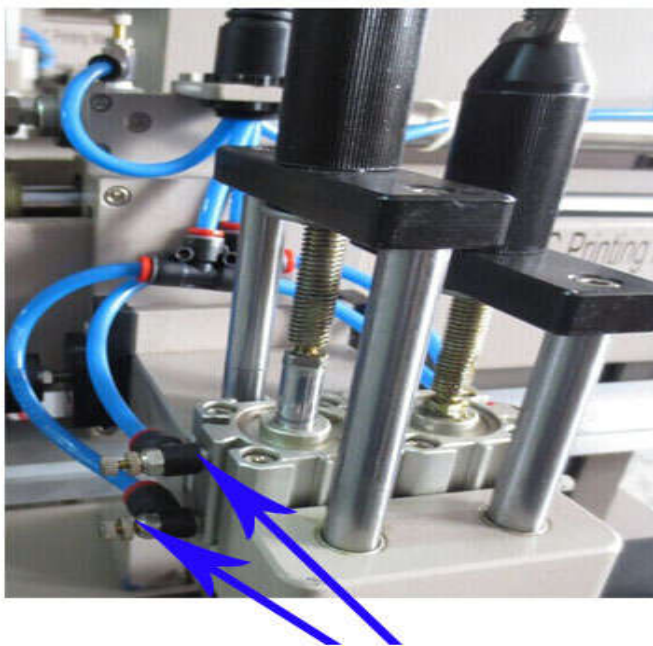
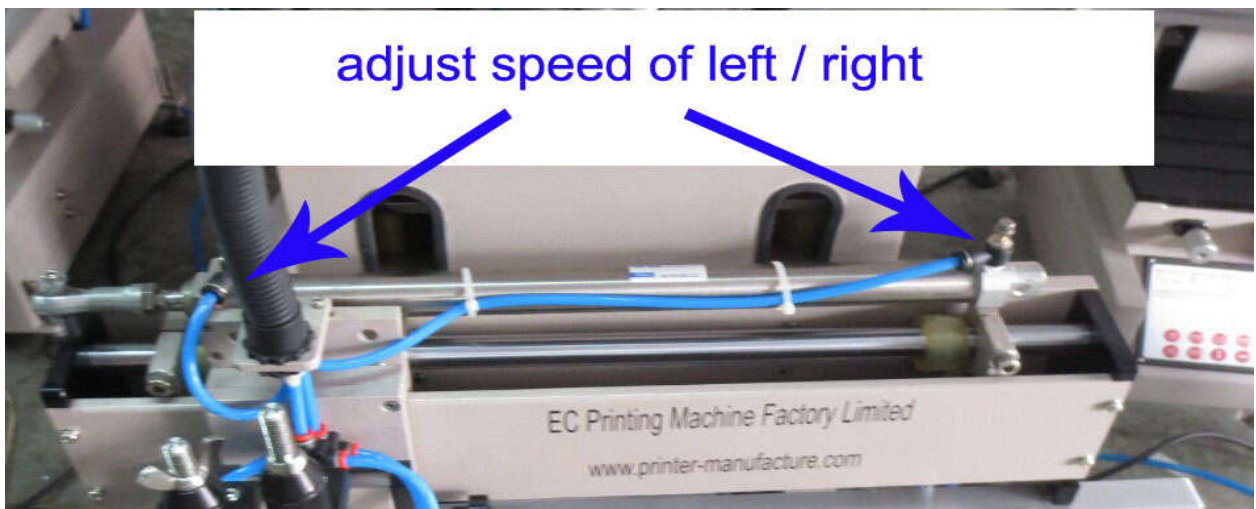
Rotate

to adjust



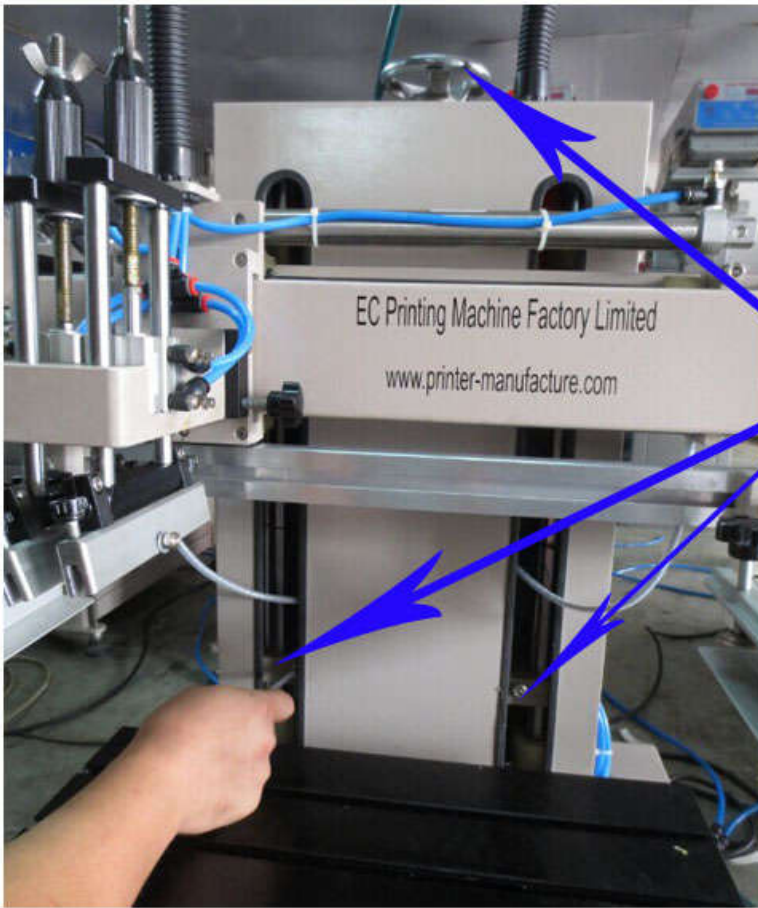
氣壓表 Barometer

Barometer display , 0.4 mpa is enough for this machine.



adjust speed of printing head





Before adjust or  
After adjust up  
and down, have  
to unscrew or  
screw down

#### 四、简易故障排除法 Simply fault check method:

##### 1. 面板无显示/the panel not display

a.检查保险丝是否烧坏，在线路板及电源插座处各有一个保险丝，请检查清楚,如有烧断，请更换相同型号保险丝

check the fuse burn-out or not, in the breadboard or the power socket have one fuse; check clearly, if burn-out change a new one with same model.

b.电源异常，根本没有外电进入机器控制电路，检查电源线的通电状态

The power unusual, have no electricity coming to machine control circuit, check the power wire have electricity.

c.如上面两项都排除，没有故障，则机器线路板损坏，请联系供货厂商售后服务

If the two item above have no problem. It maybe the breadboard of the machine damaged. You can contact the supplier give after buy service.

##### 2、机器无动作 The machine no action:

a.检察机器面板显示有无异常，如完全无显示，请参照第一项的处理方法

Check the panel display correct or not, if it not display at all, please reference as the NO.1 item above.

b.检察进气气压表有无压力，机器是否处于通气状态

Check the input air barometer have pressure or not, check the machine at the venting status.

c.感应开关是否损坏及是否感应到位：最简单的方法，面板上有六个小灯，每个小灯代表不同的位置状态，具体的显示如下：

**Inductive switch damaged or full induce or not: the simply method is, check the six light in the panel, every light deputy different location. The detail display as below:**

将机器的进气气源关闭，将印头推到右边，看面板上右位感应灯是否亮起，依次类推，

如果三个位置到位，有灯没亮，则说明该位置的感应开关损坏或者没感应，请现场具体判断，如果感应开关都显示没故障，有可能电路板损坏，请联系厂家处理

**If have three light display, but other light not display, it means the inductive switch damaged or no inductive. For this situation please estimate as the situation. If the inductive switch display no problem, it maybe the damage of the circuit board, you can contact the supplier.**

d.检查电磁阀蕊和线圈是否有问题，处理方法：断开电源，不断气压按电磁阀上的小蓝色按钮，如不动作则阀蕊坏，更换同型号的电磁阀测量线圈阻值是否在 50 欧姆左右，若有问题则更换同型号的线圈。

**Check the solenoid valve and the coil have the problem or not. Solve method: turn off the power, keep the air pressure and press the blue key in solenoid; if it not action the solenoid valve damaged. Then changed the same model solenoid valve and measure coil resistance in 50 ohm more or less, if have problem please changed the coil.**

### 3. 机器动作不正常 The machine movement unusual;

机器运行中，没完成印刷循环，在一半突然回位，时不时出现此类情况，并不是每次都这样，有两种情况：

**In the movement of the machine, not finished the print circle, stop in the half circle, appearance this problem often, not appearance this problem every time, it have two situation:**

a.线路板程序错乱，The program of the breadboard wrong.

b.外部电磁干扰，移动机器位置到车间的另一位置测试效果。

**External electromagnetism affect, move the machine to another station and check the effect.**

### 4. 机器运转震动大/The movement shake violently:

a.检查气压是否调得过高，处理方法，气压调到 5-6 公斤

**Check the air pressure is higher or not. Solve method is adjust the pressure to 5-6 KG**

b.左右油压缓冲器是否漏油 Check the left and right oil buffer not leak.

C.气缸是否有漏气 Check the cylinder air leakage or not.