

## 机组式柔版印刷机

# F5系列

### F5系列功能及特点：

1. 全线实现开卷、纠偏、除尘、除静电、2色以上印刷（柔印、丝印等）、正背面印刷、胶水面印刷（除胶）、热烫、冷烫、定位冷烫（猫眼等）、覆膜、逆向光油、数字喷码（二维码、可变信息等）、圆切、平切、在线品检、正反面模切半穿、收卷、收废及模切全穿、全穿输送整理平台, 可选前后或自由搭配，以及多层标签等，多工艺组合；
2. 由传统按键按钮操控，升级为高级触屏全电脑总控、每机组均有触摸屏电脑操控（长调值等操控值可灵活设定，方便快捷；本机可实现远程控制，操控系统可不断远程升级）；
3. 整机无轴传动，每印刷色组均采用国际领先的全伺服电机驱动，可实现前后方向预套印、精准快速的自动追套印；
4. 每色组实现整座位移，电机全自动操控，可实现左右方向触摸屏操控套印；
5. 上料、下料，均采用独特滑轨小车设计，轻松、便捷；
6. 上料升降采用电机控制，灵活升降、精准定位，下料气动升降，快速、省力；
7. 上料接纸，采用气缸压纸设计，轻松、方便、快捷；
8. 上料采用伺服电机，张力控制快速、稳定，并且可以准确设置减速卷径和停机卷径，实现精准减速、停机，节省材料；
9. 浮动辊的设计，实现印材张力的精准控制，并可实现无料自动停机；
10. 压印滚筒（底炮）经过特殊改良设计，大直径、水冷底炮，让网点还原更加出色，图文靓丽，高速印刷无墨杠，适用于热缩膜、牙膏全塑材料、PVC、合成纸等印刷材料的完美印刷；
11. 特殊花瓣式装版结构设计，装版轻松快捷，印刷压力微调，避免因使用复杂垫块装版造成损坏昂贵网纹辊的情况，避免套筒磨损造成的压力变化；
12. 独特的预套印设计，可实现开机之前一键准确预套印；
13. 开机微调之后，全自动追套印，开始高速印刷，比国内其它设备节省70%以上的调机材料损耗；
14. 加减速过程中，均可快速实现自动追套印，胶面印刷可追套印、正反面印刷可追套印，减少调机80%以上的过程不良产品；
15. 单独版辊更换、断料、过丝印、过喷码等情况出现时，机器均可实现快速预套印，快速追套印，减少调机80%以上的材料损耗；
16. 可以实现图案颜色追套印，减少2%-5%的边料浪费，片材类全塑管印刷可减少5%边料浪费；
17. 高速运行不飞墨，最低墨量0.1公斤可打样；
18. 特殊设计的光油流平系统，让光油效果更加出众；
19. 光油墨斗采用自动循环加光油系统，避免光油用量大时，人工频繁添加光油的麻烦；
20. 可选配一体式或分离式不停机收放卷装置，节约了停机换料的时间，且换卷后套印平稳；
21. 亦可选配视觉自动套印系统，实现全智能化自动套准，无需色组微调，片材印刷的福音。

## Inline Flexo Press

# F5 Series

## Function description:

1. The whole press contains unwind and rewind, web guiding, dust removal, static removal and snowball waste rewind. Can realize 2 colors or more printing (flexo / screen printing etc.), front/back side printing, adhesive surface printing (adhesive removal), hot foil, cold foil, positioning cold foil, laminating, reverse varnish, code spray (two-dimensional code, variable information etc.), multi-layer labels, rotary die cutting, flat-bed die cutting, online quality inspection, sheeting with conveyor etc.
2. General touch screen HMI, and, each print station has touch screen computer control (control values such as machine speed, long adjustment value can be set flexibly, the control system can be continuously upgraded remotely).
3. One key to make pre-registration for forward direction for all printing units.
4. The registration of the right/ left direction can be easily adjusted on the touch screen of each printing unit.
5. Slide rail trolley for unwind & rewinder rollers, easy to operate.
6. Electrical control to ascend& descend of the unwind& rewind rollers for easier operation.
7. Easy to do substrate splicing by air cylinder.
8. High accuracy tension control by servo motor and special floating roller design.
9. The speed-down diameter and stop diameter can be accurately set to save the material.
10. Big chilled roller for each printing unit to realize excellent printing performance, high-speed printing without impression bars, suitable for substrates like shrink films, ABL/ PBL, PVC, synthetic papers etc.
11. Print units are with classic petal structure to ensure simple and fast changeover. To adjust the printing pressure instantly. Can avoid damage to expensive anilox rollers due to the use of complex pads for plate-mounting and avoid pressure changes caused by sleeve wear.
12. Unique pre-register design can realize one-key accurate pre-register before starting up. After starting up and fine-tuning, it will automatically chase registration and start high-speed printing, which saves more than 70% of the adjustment substrate loss compared with other domestic equipment;
13. Quickly registration for speed down / up, overprint, backside printing, adhesive side printing, overprint between top side and back side, single plates change, screen printing, code spray printing and substrate spicing, saving 80% material loss of adjustment.
14. It can realize the pattern color tracing overprint and reduce the waste of edge materials by 2% - 5%;
15. High-speed printing without ink splashing, only need 100g ink to do testing in minimum.
16. Special design for the varnishing oil leveling to get better varnishing performance.
17. Auto feeding system for the varnishing station to save the manual operation for huge varnishing used jobs.
18. Online or separate unwind& rewind nonstop system is optional.
19. Fully automatical registration by visual control system, no need micro adjustment for each printing unit. Perfectly for ABL/ PBL and film materials printing!



Inline Flexo Press

# F5 Series

机组式柔版印刷机

# F5系列



## Function description

### 功能說明

- ◎ 整机无轴传动，每一组均采用独立双伺服电机驱动，可实现在线自动预套印，自动追套印，调校简单快捷；
- ◎ 印版滚筒采用经典花瓣式结构，换版压力无需较大调节，换版操作快捷方便，且无墨杠；印刷座采用传统UV与LEDUV组合光固系统，压印滚筒（底炮）采用水冷系统；
- ◎ 收放料单元配有独立的料卷升降机构，便于大卷材料的上下料操作；
- ◎ 以柔版印刷方式为主，可增加前后冷烫、覆膜、除胶、多层标签工艺装置、折页标签工艺装置、在线品检、模切（平压平模切、圆刀间歇模切），亦可选配丝印、喷码、凹版等工艺与本设备联机组合；
- ◎ 可选配联机不停机收放卷系统，不停机放卷单元同时配备了手动接纸和自动接纸功能。
- ◎ 可选配全视觉自动套印系统，整个印刷过程可实现自动套印，无需人员调整，并且可实现印刷工单数据保存，返单时可以一键调取数据，实现纸路自动套准。
- ◎ The whole machine adopt dual Emerson servo control system at each print deck, can realize online automatic registration, which guarantee high-precision printing;
- ◎ Print units are with classic petal structure to ensure simple and fast changeover, Each print station is equipped with chiller system, can effectively reduce the influence of high UV curing temperature, is ideal for the print of film and shrink material;
- ◎ Unwind and rewind system adopts automatic roll lifting mechanism to greatly improve roll changing efficiency;
- ◎ Optional setting includes movable cold foil, laminating device, delam/ relam, multi-layer labels printing, folded labels, online inspection, full rotary or intermittent die-cutting, silk screen printing, code spray, gravure printing unit to combine with flexo printing;
- ◎ Online nonstop unwind& rewind system is optional.
- ◎ Automatic Visual Overprint System is optional. Fully Automatic registration for the whole printing process without manual adjustment. The printing articles & data can be saved for repeat orders without setting the machine again.

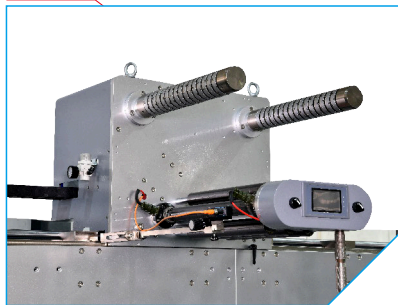
## Specification

### 产品规格

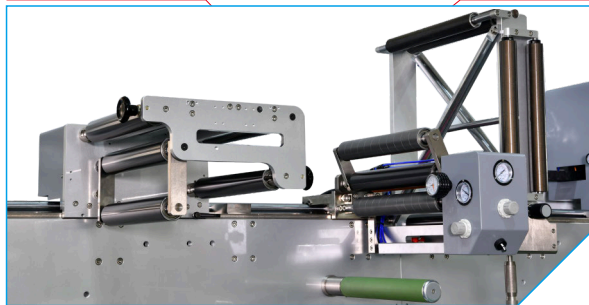
机型	Model	YTP-F5-370	YTP-F5-460	YTP-F5-530
材料最大宽度	Max.Web Width	370mm	460mm	530mm
印刷最大宽度	Max.Printing Width	360mm	450mm	520mm
印刷色数	Printing Unit	2C-12C	2C-12C	2C-12C
印刷周长	Print Length	190.5-635mm	190.5-635mm	190.5-635mm
印刷速度	Printing Speed	5-180m/min	5-180m/min	5-180m/min
材料厚度	Substrate Thickness	0.02-0.5mm	0.02-0.5mm	0.02-0.5mm
印版厚度	Print Plate Thickness	1.14mm	1.14mm	1.14mm
最大放卷直径	Unwind Roll Dia.max	800mm	800mm	1000mm
最大收卷直径	Rewind Roll Dia.Max	800mm	800mm	1000mm
UV干燥机	UV Dryer	LED UV / 传统汞灯/红外线热风干燥 LED UV / Mercury UV / infrared Hot Air Drying		



Positioning Cold Foil  
(with Variable Slip Shaft)  
触屏操控冷烫单元（张力控制+滑差轴）



Anti-Stretch Device for Adhesive  
Surface Printing  
胶面印刷不拉伸装置



Anti-Scratch Turn Bar  
防刮花翻转架

■ YTP-F5-370-12C



Inline Flexo Press

# F5 Series

Custom Model for Laminated Tubes(ABL/PBL)Printing

机组式柔版印刷机

# F5系列

全塑管、铝塑管、软管定制机型（化妆品管、牙膏管）

全视觉自动套印系统  
Automatic Visual Overprint System



■ YTP-F5-370-10C（一体式不停机+全视觉自动套印系统）

LABEL SOURCE

# Function description

## 功能說明

- ◎ 整机无轴传动，每一组均采用独立双伺服电机驱动，可实现在线自动预套印，自动追套印，调校简单快捷；
- ◎ 印版滚筒采用经典花瓣式结构，换版压力无需较大调节，换版操作快捷方便，且无墨杠；印刷座采用传统UV与LEDUV组合光固系统，压印滚筒（底炮）采用水冷系统；
- ◎ 收放料单元配有独立的料卷升降机构，便于大卷材料的上下料操作；
- ◎ 以柔版印刷方式为主，可增加前后冷烫、覆膜、除胶、多层标签工艺装置、折页标签工艺装置、在线品检、模切（平压平模切、圆刀间歇模切），亦可选配丝印、喷码、凹版等工艺与本设备联机组合；
- ◎ 可选配联机不停机收放卷系统，不停机放卷单元同时配备了手动接纸和自动接纸功能。
- ◎ 可选配全视觉自动套印系统，整个印刷过程可实现自动套印，无需人员调整，并且可实现印刷工单数据保存，返单时可以一键调取数据，实现纸路自动套准。
- ◎ The whole machine adopt dual Emerson servo control system at each print deck, can realize online automatic registration, which guarantee high-precision printing;
- ◎ Print units are with classic petal structure to ensure simple and fast changeover, Each print station is equipped with chiller system, can effectively reduce the influence of high UV curing temperature, is ideal for the print of film and shrink material;
- ◎ Unwind and rewind system adopts automatic roll lifting mechanism to greatly improve roll changing efficiency;
- ◎ Optional setting includes movable cold foil, laminating device, delam/ relam, multi-layer labels printing, folded labels, online inspection, full rotary or intermittent die-cutting, silk screen printing, code spray, gravure printing unit to combine with flexo printing;
- ◎ Online nonstop unwind& rewind system is optional.
- ◎ Automatic Visual Overprint System is optional. Fully Automatic registration for the whole printing process without manual adjustment. The printing articles & data can be saved for repeat orders without setting the machine again.

## Specification

产品规格

机型	Model	YTP-F5-370	YTP-F5-460	YTP-F5-530
材料最大宽度	Max.Web Width	370mm	460mm	530mm
印刷最大宽度	Max.Printing Width	360mm	450mm	520mm
印刷色数	Printing Unit	2C-12C	2C-12C	2C-12C
印刷周长	Print Length	190.5-635mm	190.5-635mm	190.5-635mm
印刷速度	Printing Speed	5-180m/min	5-180m/min	5-180m/min
材料厚度	Substrate Thickness	0.02-0.5mm	0.02-0.5mm	0.02-0.5mm
印版厚度	Print Plate Thickness	1.14mm	1.14mm	1.14mm
最大放卷直径	Unwind Roll Dia.max	800mm	800mm	1000mm
最大收卷直径	Rewind Roll Dia.Max	800mm	800mm	1000mm
UV干燥机	UV Dryer	LED UV / 传统汞灯/红外线热风干燥 LED UV / Mercury UV / infrared Hot Air Drying		

