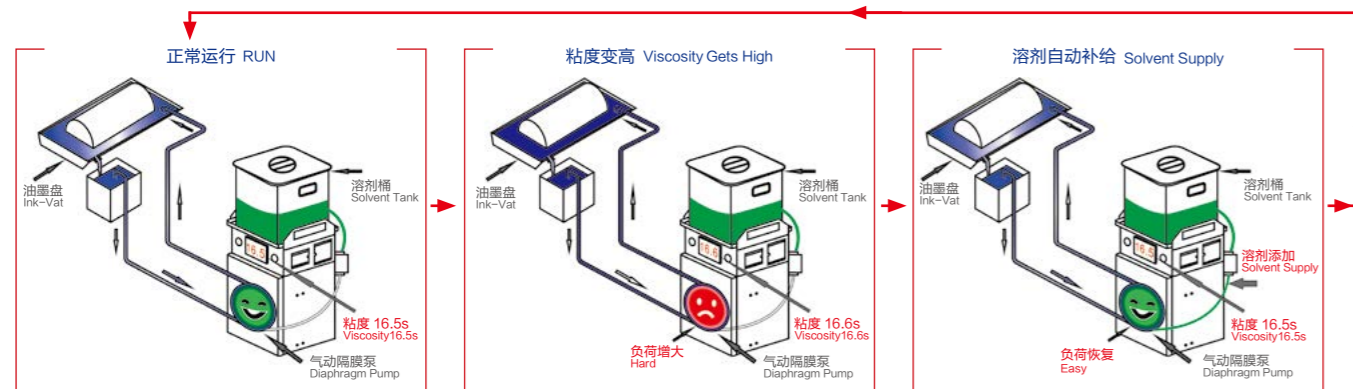
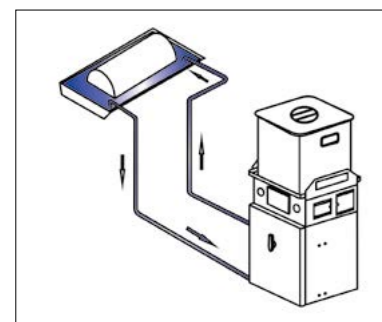


工作原理图 PRINCIPLE

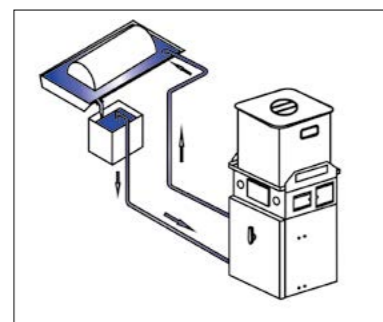


- 01** 设备配置 1 台气动隔膜泵，当设备运转时，隔膜泵循环油墨，系统检测当前隔膜泵脉冲值。
One machine is equipped with a pneumatic diaphragm pump. When it is running, the pump circulates the ink, the machine will test the current frequency of the pump.
- 02** 当粘度变高时，隔膜泵负荷增大，脉冲减少，系统判定粘度变高。
Viscosity gets high, increases the pump's working load, frequency will slow down, then the machine gets the signal.
- 03** 此时设备打开电磁阀，溶剂自动添加进隔膜泵与油墨混合，粘度恢复为设定值。
Then the solvent value releases to supply the solvent automatically, then the viscosity gets back to the setting value.

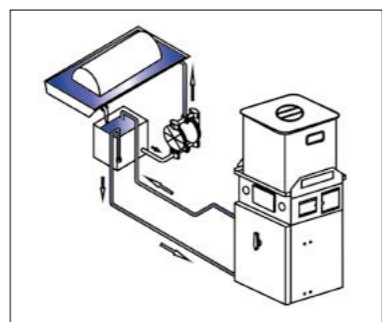
安装方式 INSTALLATION



01 油墨槽直接循环方式。
Direct circulation.



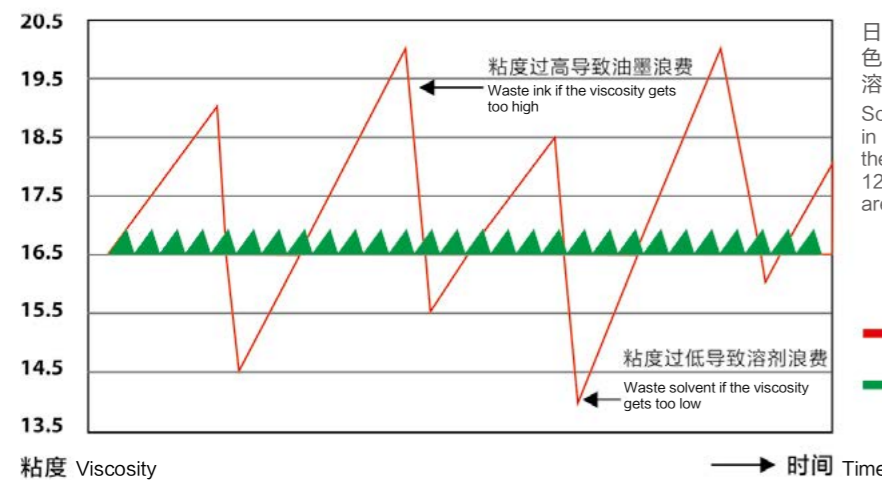
02 油墨槽和油墨桶之间的循环方式。
Circulation through ink-tank.



03 油墨槽和油墨桶及循环泵组合使用方式。
Circulation through ink-tank with using circulating pump.

控制精度效果图 CONTROL ACCURACY DATAGRAM

自动控制粘度效果图 VIEW



日常印刷每 10 分钟溶剂需要补给 1 次，以 8 色机为例，每天 12 小时印刷过程里需要补给溶剂 576 次，即存在 576 次质量风险。
Solvent needs to be added every 10 minutes in daily printing. For example, 8-color printing, the solvent needs to be added 576 times during 12hours printing everyday, that means there are 576 times risk.

— 人工管理粘度
Manual Control Viscosity
— 自动管理粘度
Auto Control Viscosity

型号参数 MODEL PARAMETERS

型号 Model	S-10	S-15	S-20
外观 Appearance	304 不锈钢 / 304 stainless steel		
尺寸 Dimension	300*320*750mm		
重量 Net weight	17.5kg	20kg	23kg
粘度控制范围 Control range	3#/4# 蔡恩杯 10-30 秒 No.3/No.4 Zahn Cup 13-30 sec 30-1000cps		
溶剂桶 Solvent tank	19L 容量, 304 不锈钢桶 / 304 Stainless steel, detachable box		
进料管 In-tube	6.5*10mm*2.5m	8*12 mm*2.5m	11*16 mm*2.5m
出料管 Out-tube	8*12 mm*2.5m	11*16 mm*2.5m	15*21 mm*2.5m
油墨循环量 Control precision	1.5-4.5L/min	3.5-9L/min	7.5-19L/min
空气消耗量 Air consumption	40L/min	90L/min	160L/min
工作气压 Working pressure	0.3Mpa		
电压、功率 Working voltage	220V、40W		
应用范围 Application	凹版、柔版印刷 (辅助油墨桶容量在 20L 以下) Roto-gravure or Flexo Printing (Sub Tank under 20L)	凹版、柔版印刷 / 复合、涂布 (辅助油墨桶容量在 40L 以下) Roto-gravure or Flexo Printing, Laminating, Coating (Sub Tank under 40L)	凹版、柔版印刷 / 复合、涂布 (辅助油墨桶容量在 40L 以上) Roto-gravure or Flexo Printing, Laminating, Coating (Sub Tank over 40L)

品牌荣誉 BRAND HONOR



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品牌使命 Brand Mission

提供最稳定、最具性价比的粘度控制方案
Provide Most Stable & Cost Effective Viscosity Control Solution



自动粘度控制器
Auto Viscosity Controller



采用 BML SUPER 100 系统, 特点如下 BML SUPER 100 SYSTEM FEATURES

01 全方位预警系统 (业内首创):

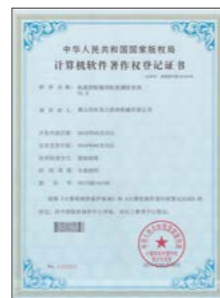
- (1) **粘度超限** 警报: 粘度实际值与设定目标值差异超限即报警。
- (2) **油墨不足** 警报: 桶内油墨不足时报警, 提醒工作人员添加新墨。
- (3) **溶剂不足** 警报: 溶剂补给桶里溶剂不足时报警, 提醒工作人员补充溶剂。
- (4) **气源压力不足** 警报: 因粘度检测方式为隔膜泵脉冲式, 所以气源压力不足时对检测精度影响非常大, 所以当气源压力不足时系统即停止控制同时报警, 避免误差。

All-round early warning system (Industry initiation):

- (1) **Viscosity over-limit** alarm: When the difference between the actual viscosity value and the setting viscosity value exceeds the limit, it alarms.
- (2) **Low ink** alarm: When the ink in the tank is low, it alarms and reminds the staff to add the solvent.
- (3) **Low solvent** alarm: When the solvent in the solvent is insufficient, it alarms and reminds the staff to add the solvent.
- (4) **Low air source** alarm: Cause the viscosity detection depends on the frequency of the pump, low air source will effect the detection accuracy. If it happens, the system stops controlling, then alarms at the same time.



“全方位预警系统” 专利证书
“All-Round Early Warning System” Patent Certificate



“粘度检测系统” 专利证书
“Viscosity Control System” Patent Certificate

02 配置自润滑系统, 专利高压加油阀, 确保每次加油舒畅, 配合高精度滤芯, 确保 99.9% 润滑油顺利回收。

自动润滑, 有效延长设备使用寿命, 保持设备精度, 润滑油循环回收, 无需担心润滑油不足, 使设备维护更简单。

Self-lubricating system and patent High-pressure refueling valve ensure the refueling smoothly. With high-precision filter, 99.9% of the lubricating oil can be smoothly recycled. Automatically lubricating, effectively prolong the working life of machine and keeps the accuracy. Recycling lubricating oil, keeps enough lubricating oil and easier to maintain machine.



03 极速 10 秒清洗系统, 只需 10 秒即可完成清洗。

Speed cleaning system 10 seconds. It takes only 10 seconds to complete the cleaning.



“清洗系统” 专利证书
“Auto Cleaning System” Patent Certificate

04 防撞箱体设计: 对所有外露接头保护, 防止运输、设备移动过程中对设备造成损害。

Anti-collision design: Protect all exposed connectors from damage caused by transportation and equipment movement.



掌握核心技术 MASTERING CORE TECHNOLOGY

脉冲式检测法对隔膜泵有特殊要求, 其灵敏性与抗疲劳性要远高于一般输送型隔膜泵, 为此, 我司特研发出 BML-S 气动隔膜泵系列, 该系列隔膜泵被评为国家高新技术产品, 获得多项专利保护。我司坚持核心自造, 为日后设备维护、升级提供了技术保障, 也有效降低日后维护成本。

Pulse detection method has special requirements for the diaphragm pump, the sensitivity and the fatigue resistance is much higher than the general circulation diaphragm pump. Therefore, our company developed BML-S series pneumatic diaphragm pump, which has been rated as a national high-tech product and has obtained many patent protections. Our company insists on self-made core technologies, which can provide technical support for future equipment maintenance and upgrade, and also effectively reduce the future maintenance costs.



国家高新技术产品证书
National High-Tech Product Certificate

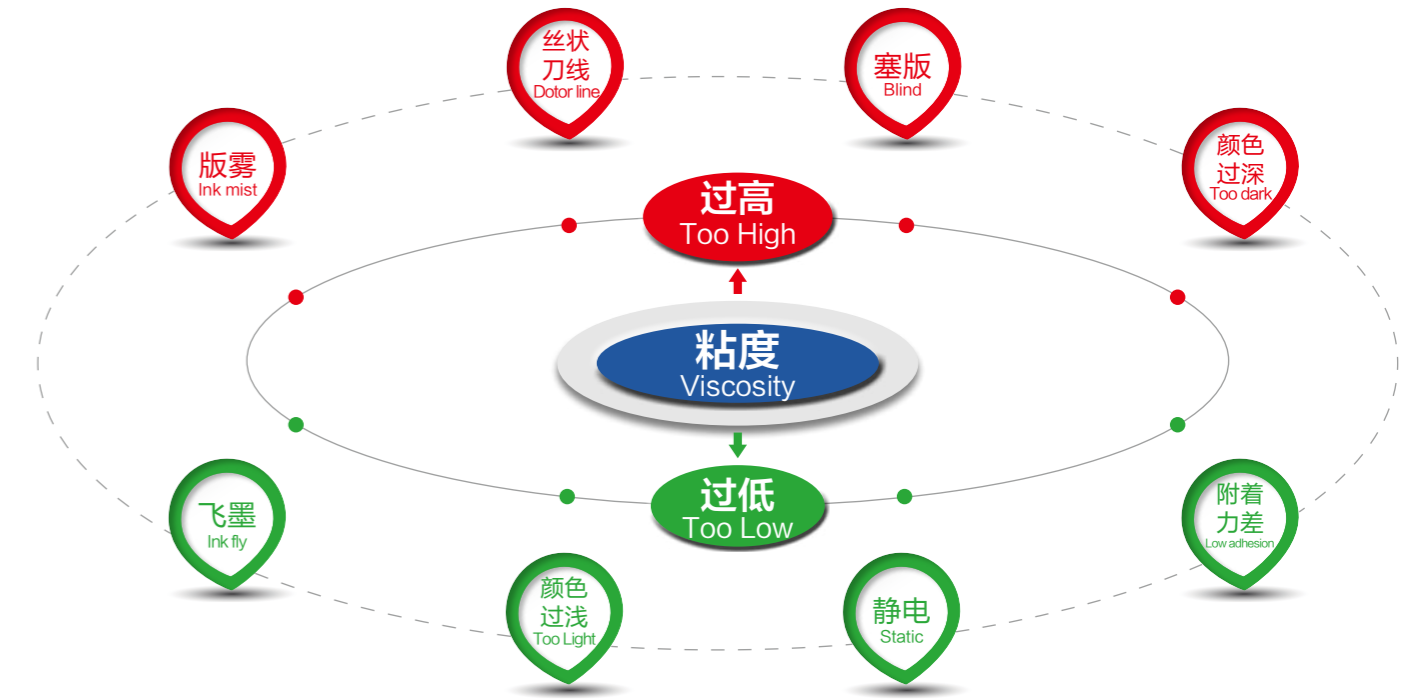


实用新型专利证书
Utility Model Patent Certificate



CE 安全认证
Certificate of Conformity

粘度误差所带来的问题 VISCOSITY CHANGE CAUSES PROBLEMS



BML 为企业带来的好处 BENEFIT FOR ENTERPRISES

提高品质
Improve

减少印刷品色差, 刀线等问题, 提高印品品质。
Reduce color difference, doctor line and so on, improve the printing quality.

稳定质量
Guarantee

有效减少印刷废品, 减少客户投诉。
Effectively decrease printing waste and reduce customers complains.

节省人力
Save labour

降低工作人员的操作强度, 使印刷操作更简单, 管理更轻松。
Reduce the staff's operational intensity, making the printing operation and management much easier.

节省油墨
Save ink

最大可节省 30% 以上的油墨, 很快收回机器成本。
Maximum save 30% ink, easy to cover the machine cost.

为什么控制粘度可以节省油墨? WHY VISCOSITY CONTROL CAN SAVE INK?

※ 油墨消耗量与粘度变化的关系 Relationship between ink consumption and viscosity change

每个“版辊网点”的空间是固定的, 当溶剂挥发越多, 网点内油墨所占比例也越大, 同时油墨也消耗的越多, 最多有 30%。

The space of each dot on the cylinder is fixed. The more the solvent volatilizes, the larger the proportion of ink in the dot, and the more ink would be consumed, maximum 30%.

