机器尺寸 Machine size





机器规格 Machine specifications

机器型号 Machine model	PCM-460	PCM-460Pro	
处理尺寸 Processing size (L*W)	460mm*510mm		
机器尺寸 Machine size (L*W*H)	655mm*1100mm*1605mm		
核心周期 Core Cycle Time	8 s		
底部通过高度 The height of bottom	35 mm		
机器接口 Machine Port	SMEMA、LAN	SMEMA、LAN、CCD、MES	
电源 Power supply	220V/50Hz		
气源 Air source	0.4-0.6Mpa		
机器功率 Machine Power	1.5KW		
机器质量 Machine quality	220KG		

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▶高效清洁能力提升良率 Efficient cleaning ability improves yield: 采用常压等离子技术、能够迅速、深入地清除PCB表面的各种污染物、提高附着力、 这种高效的清洁能力不仅提升了生产效率、还能确保产品的洁净度达到高标准高良 率。By using atmospheric plasma technology, various pollutants on the PCB surface can be quickly and deeply removed, improving adhesion. This efficient cleaning ability not only improves production efficiency, but also ensures that the cleanliness of the product meets high standards and high yield.

▶智能控制与便捷操作 Intelligent control and convenient operation: 设备采用触摸屏操作和智能控制技术,使得清洗程序可自定义,实现一键式清洗, 这种智能化的设计大大简化了操作流程,提高了工作效率,同时减少了人为错误的 可能性。The device adopts touch screen operation and intelligent control technology, making the cleaning program customizable and achieving one click cleaning. This intelligent design greatly simplifies the operation process, improves work efficiency, and reduces the possibility of human errors.

▶环保节能 Environmental protection and energy conservation:

使用高新技术,采用高精度数字电源,模块化设计,无耗材设计,有助于企业实现 绿色生产目标。The use of high-tech, high-precision digital power supply, modular design, and consumable free design can help enterprises achieve their green production goals.

➤安全可靠 Safe and reliable:

设备配置多重安全保护装置、稳定的设备运行以及自动诊断功能等,确保在使用过 程中人员和设备的安全无忧。The equipment is equipped with multiple safety protection devices, stable equipment operation, and automatic diagnostic functions to ensure the safety of personnel and equipment during use.

▶空间节约与维护方便 Space saving and easy maintenance:

设备体积小巧,便于安装和移动,可以适应不同空间的需求。同时,设备的维护也 非常简便,可以实现自动诊断和根据故障信息进行快速修复。The device is compact in size, easy to install and move, and can adapt to the needs of different spaces. At the same time, the maintenance of the equipment is also very simple, which can achieve automatic diagnosis and guick repair based on fault information.

应用 application

▶ 光电行业

▶ 医疗行业

Medical industry

➢ PCB/FPC领域

PCB/FPC field

▶ 新能源领域

▶ 半导体行业 Semiconductor industry ▶ 手机制造业 Mobile phone manufacturing industry ▶ 汽车制造业 Automotive manufacturing industry

Optoelectronic industry

In the field of new energy



航空航天业

清洗效果 **Cleaning effect**

PCB表面清洗测试(去除表面有机污染物及基材表面活化提高附着力)PCB. Surface cleaning test (remove surface organic pollutants and substrate surface activation to improve hydrophilicity) Pre-cleaning Test data Droplet Left angle of Right contact Average angle diameter contact (°) angle (°) of contact (°) (Mm) 82.67 83.42 82.78 2.55 84.73 85.16 84.66 2.86 87.82 87.75 2.66 88.15 Minimum 82.67 angle Maximum 88.15 angle 85.41 Average angle



医疗制造业

新能源领域



汽车制造业

消费类电子

	after	cleaning		
Test data				
Left angle of contact (°)	Right contact angle (°)	Average angle of contact (°)	Droplet diameter (Mm)	
16.47	15.36	16.42	4.41	
18.18	17.68	18.73	4.66	
23.62	22.54	22.58	4.80	
Minimum angle	15.36			
Maximum angle	23.62			
Average angle	19.46			