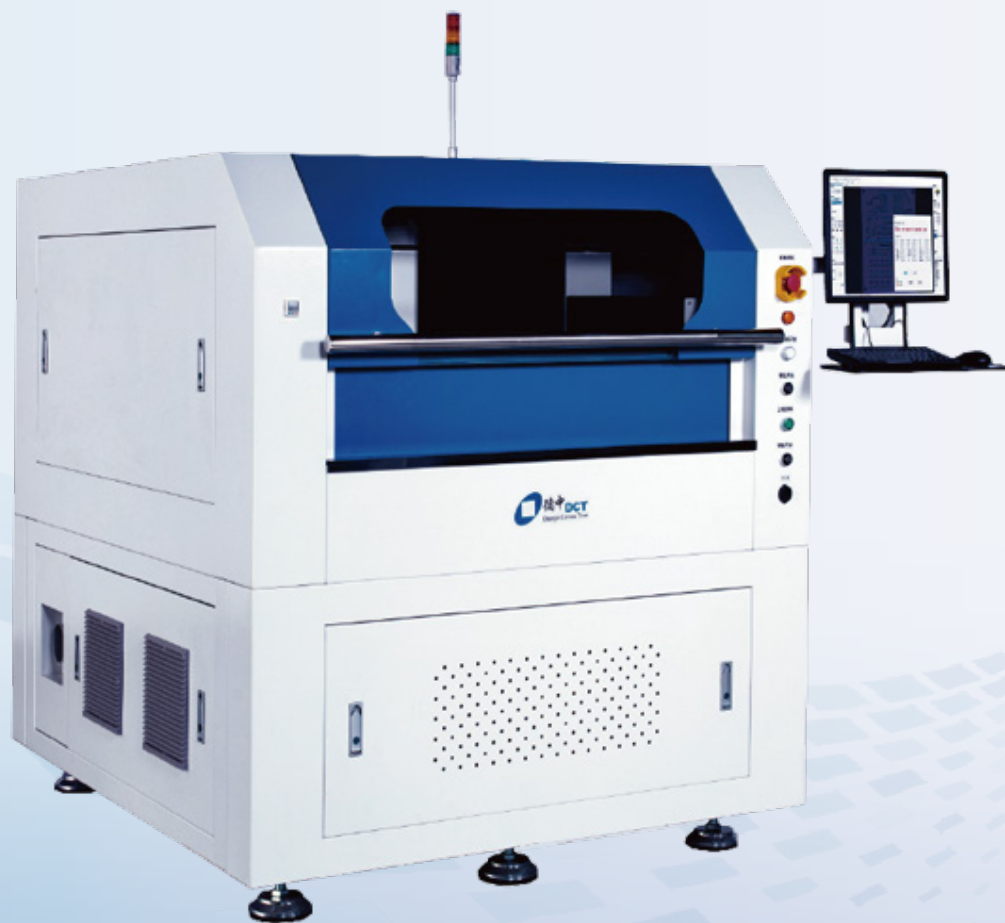


C700 钢网检查设备

STENCIL INSPECTION MACHINE C700



C700钢网检查机

STENCIL INSPECTION MACHINE C700



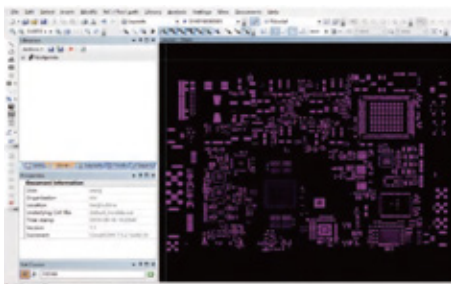
- 自动检测面积、位置、异物、是否有孔、张力;
- 检测精度高, 检测范围大;
- 导入GERBER数据, 模块化数据结构, 2-3分钟内立刻测量查看结果;
- 通过对钢网开孔尺寸, 位置等参数的测量, 设定误差范围, 与参考值进行比较是否合格.
- 检测项目:开孔偏差、开孔精度、形状、多孔、少孔、面积误差、边缘毛刺等孔缺点的检测。

- ✓ Automatic Detection of Area, Position, Foreign Body, Presence of Holes And Tension.
- ✓ High Detection Accuracy And Larger Detection Range.
- ✓ Import GERBER Data, Modular Data Structure And Immediately Detect And View The Results Within 2~3 Minutes.
- ✓ Through The Measurement Of The Stencil Opening Size, Position And Other Parameters, Set The Error Range And Compare With The Reference Value Whether it is Qualified.
- ✓ Simple and Easy Operation.
- ✓ Detection of Hole Defects Such as Opening Deviation, Opening Accuracy, Shape, Porous, Less Porous, Area Error, Edge Burrs, Etc.
- ✓ Stencil Thickness and Smoothness of Hole Wall Inspection.
- ✓ Squeegee Deformation Detection

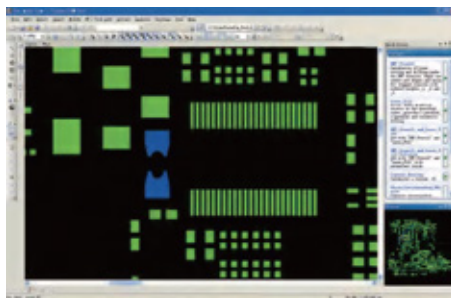
产品特点 PRODUCT FEATURES

- 目前钢网模具加工厂在数据处理过程中, 使用传统的方法: 需要几个专业的数据处理工作人员对客户的钢网进行处理, 由于每张钢网数据信息量比较大, 需要工作人员仔细的针对每个器件开孔进行修改。工作人员极易产生劳累疲劳, 影响工作效率, 甚至会出现数据处理错误现象。
- 虽然钢网作为一种漏印焊锡膏的模具, 但最终产品的价格可能是钢网本身的百倍, 甚至是千倍, 因此对钢网质量的反复检查是 SMT 生产中必不可少的环节。德中公司, 以自主研发的数据处理软件 CircuitCAM7 和设备驱动软件 DreamCreaTor 为基础, 搭载相关的硬件, 为客户提供一套切实可行的整线方案。
- Stencil mould factory for traditional data processing method is that it takes a few professional staff to inspect on each stencil mesh from customer, since each stencil data information is bigger, so it needs the staff carefully check and revise every hole, so it easily leads to fatigue and affect work efficiency, or even appear data processing error phenomenon.
- Although the steel mesh is used as a mould for leakage solder paste, the price of the final product may be one hundred times or even one thousand times of that of the steel mesh itself, so the repeated inspection of the quality of the steel mesh is an essential link in SMT processing. DZ group provides a feasible full-line solution based on the data processing software CircuitCAM7 and the device driving software DreamCreaTor, which are self-developed.

操作界面 User Interface



CircuitCAM7 Pro, SMT Stencil数据处理 CircuitCAM7 Pro, SMT Stencil Data Processing



工艺的改善 Processing Improvement

- 1、解决来料不良及清洗检测问题, 完善清洗工艺;
- 2、建立钢网管控标准, 完善生产管理体系;
- 3、替代人工检测, 提高产品品质;
- 4、从源头上解决多锡、少锡、连焊等印刷问题;
- 5、01005 以及更小的零件已经逐渐普及, 高精度检测符合未来发展趋势。

1. Solve the problem of poor incoming materials and cleaning detection, improve the cleaning process
2. Establish steel mesh control standards and improve the production management system
3. Replace manual inspection and improve product quality
4. Solve more tin, less tin, welding and other printing problems from the source
5. 01005 and smaller parts and gradually popularized, high precision detection in line with the future development trend

最新版的 CircuitCAM7 Pro, 库功能、几何图形操作功能和友好的操作界面相结合, 在某种程度上具备了自动数据处理的特征。比如, 一键输出多类文件, 不受某层关闭影响, 导入 CAD 窗口比率直接乘除, 提高效率; Chip 料及其它封装图案的复合处理功能, 不论图形多么复杂, 可调用预置形状修改, 一气呵成, 十分方便; 自动检测多孔、漏孔, 免除错、漏操作之忧; 根据 DRC 结果自动添加削盘数据, 不用手工一一修改, 坐标移动、旋转记忆, 面积计算记忆, 不用重复输入, 自由快捷键定义, 数据浏览、查看、定位等等功能, 方便、实用, 不一而足。

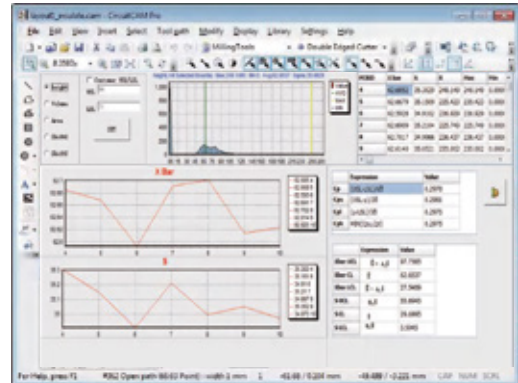
The latest version of CircuitCAM7 Pro combines the library function, the geometric graph operation function, and the user-friendly operation interface to provide automatic data processing features to some extent. For example, one key output multiple files, not affected by the closure of one layer, import CAD window ratio directly multiply and divide, improve efficiency; Chip material and other packaging pattern composite processing function, no matter how complex the graphics, can call the preset shape modification conveniently; Automatic detection of porous and leaky holes, avoid the worry of wrong and leaky operation; Automatically add the chipping data according to the DRC results without manual - modification; Coordinate movement, rotation memory, area calculation memory, no repeated input; Free shortcut key definition, data browsing, viewing, positioning and other functions, convenient, practical, and so on.

C700钢网检查机

钢网信息管理 STEEL MESH INFORMATION MANAGEMENT



SPC数据分析SPC Data Analysis



设备名称 Description	C700钢网检查机 STENCIL INSPECTION MACHINE C700
测量项目 Inspection Item	开孔面积、位置、偏移、尺寸大小、异物、毛刺、堵孔、少孔、多孔、张力 Opening Area,Location,Offset,Size,Foreign Body,Burr,Blocking Hole,Porous and Tension Check
测量时间 Inspection Time	50S(130mm x100mm 标准,数据 :25122 孔) 50s (130mm*100mm,Standard, Data:25122 hole)
开口部面积测量精度 Precision of The Opening Area Measurement	Gage R&R5.0%(实际测量是 GR&R<1-2% 以下) Gage R&R5.0%(Actual Measurement Below Gage R&R≤1~2%)
开口部位置测量精度 Opening Section Position Measurement Accuracy	t10um, 可定制 /±10μm (Customizable)
传动机构精度 Transmission Mechanism Accuracy	重复性 +5um 伺服系统 (分辨率 :0.5um)/Repetitive±5μm Sevor System(Resolution:0.5μm)
张力检测 Tension Detection	机械式高精度张力计, 任意多位置测试 +0.1N.c, 张力范围 0-70N Mechanical High-Precision Tension Gauge, capable of testing at multiple positions±0.1N/cm,TensionRange0~70N/Cm
相机 CCD Camera	500 万 /1000 万 (默认)/1200 万 /2000 万 /500w/1000w (standard) /1200w/2000w
镜头 Camera Lens	双远心镜头 /Bi-Telecentric Lens
照明 Lighting	特殊白色 LED 光源 (长条光源)/pecial White LED Light Source(Long Strip Light Source)
分辨率 Resolution Ratio	默认 7.2um, 可定制 /Default:7.2μm, Customizable
FOV	24mm x18mm(可选)/24mm*18mm, Optional
电机 Driving System	直线电机 /Linear Motion
平台 Platform	大理石平台 /Marble platform
扫描范围 Scanning Scope	550mm*550mm
网框尺寸 Stencil Mesh Size	(250*250mm~736*736mm)
SPC	开口位置、面积、大小, SPC 数据分析, 汇总报告, 等数据及表格 Opening Position,Area,Size,SPC Data Analysis,Summary Report and other data form
gerber file Gerber File Input	RS-274、RS-274X
离线编程 Off-Line Programming	可离线编程查看 /Can Be Viewed Via Off-Line Programming
电源要求 Input Power Requirement	220V, 50/60Hz, 功耗 Power Consumption: 2000W
设备尺寸 Machine Dimension	1327*1266*1500(长宽 * 高) 不含三色灯 /1327*1266*1500(Length*Width*Height) Excluding Tri-color Lights
气源 Input Air Supply	0.4 兆帕 -0.6 兆帕 /0.4~0.6Mpa
设备重量 Machine Weight	1000KG
数据可追溯性 Data Traceability	自动保存检测数据 /Auto Save All Detection Data
对比功能 Comparison Function	新旧钢网数据对比功能 /Previous and New Stencil Data Comparison Function
报表生成 Report generation	自动生成检测报告 /Automatically Generate Detection Reports
MES	支持 MES/Yes

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DCT (SHENZHEN) LASER INTELLIGENT TECHNOLOGY CO., LTD

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