

sDot

实点科技

I/O专家

南京实点电子科技有限公司
Nanjing Solidot Electronic Technology Co.,Ltd.

sDot

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关于我们 ■

01

■ 公司介绍



实点科技核心团队组建于2012年，并于次年研发出国产插片式I/O模块。2018年，实点科技将战略核心聚焦于总线I/O技术及产品的研究与开发。作为国家高新技术企业，实点科技现已完成多轮股权融资，顺利入选江苏省专精特新企业与南京市培育独角兽企业，并建立了南京市自动化总线I/O模块控制工程技术研究中心。

目前，实点科技研发团队近百人，行业专家十余人，拥有完善的系统集成测试、EMC和环境测试实验室；自有5000平米的总线I/O生产基地，配备十万级无尘全自动SMT生产车间、自动化组装测试车间和智能物流仓库。多年来，实点科技以工业总线为核心，产品在3C、新能源、物流、焊接、水处理、智慧楼宇等行业得到了广泛应用。

■ 发展历程

2023-今 创新发展

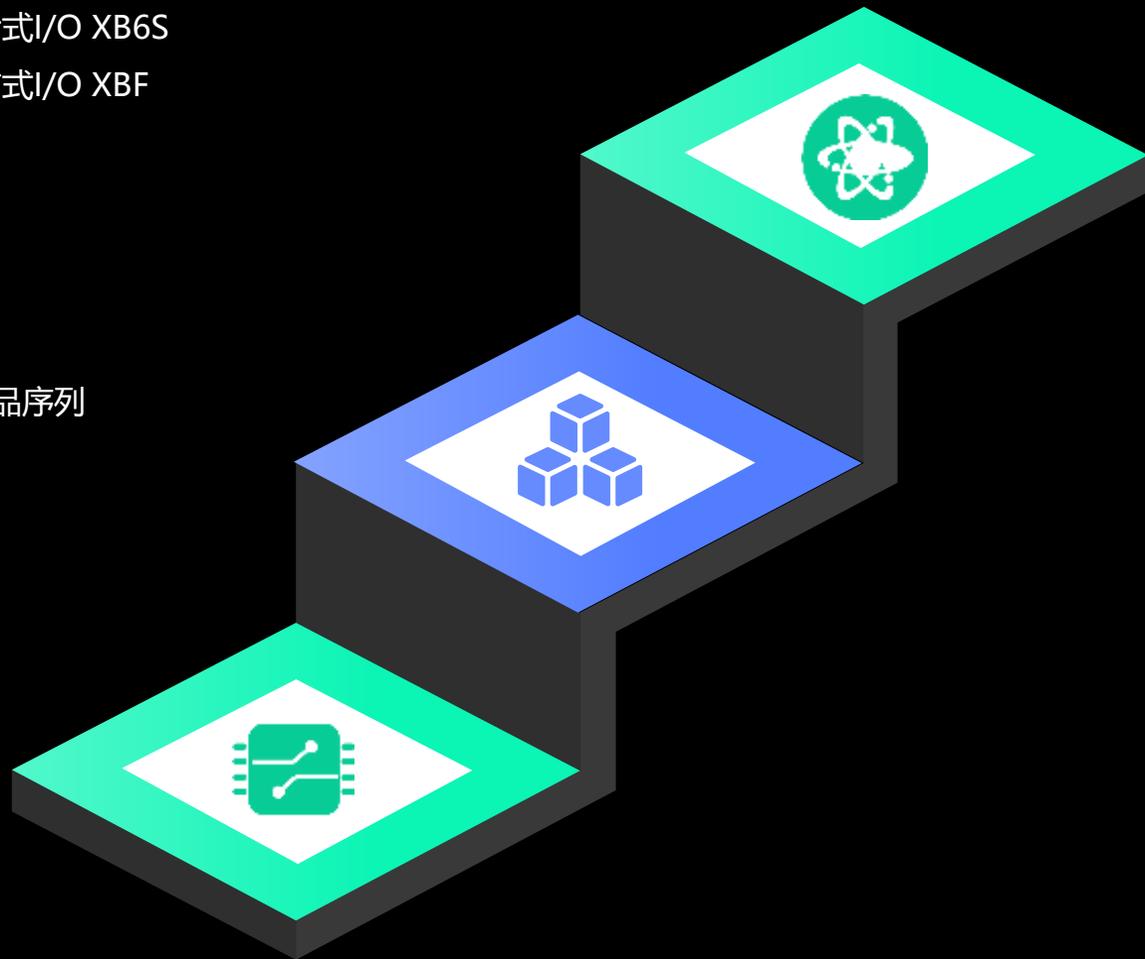
南京市自动化总线I/O模块控制工程技术研究中心
江苏省专精特新企业
发布新一代插片式I/O XB6S
发布新一代分布式I/O XBF

2021-2022 纵深布局

入选南京市培育独角兽企业名录
完成多轮融资，获产业资本青睐
连续发布多种功能模块，完善产品序列

2018-2020 构建核心

荣获高新技术企业认证
完成Pre-A融资，知名政府资本领投
发布X-Bus1.0背板协议
插片式I/O，一体式I/O相继发布



PART TWO

产品介绍 ■

02

■ 产品序列

插片式 I/O



分布式 I/O



运动控制模块



■ 产品序列

立式 I/O



卧式 I/O



IP67总线 I/O



■ 产品序列

交换机与网关



总线阀岛



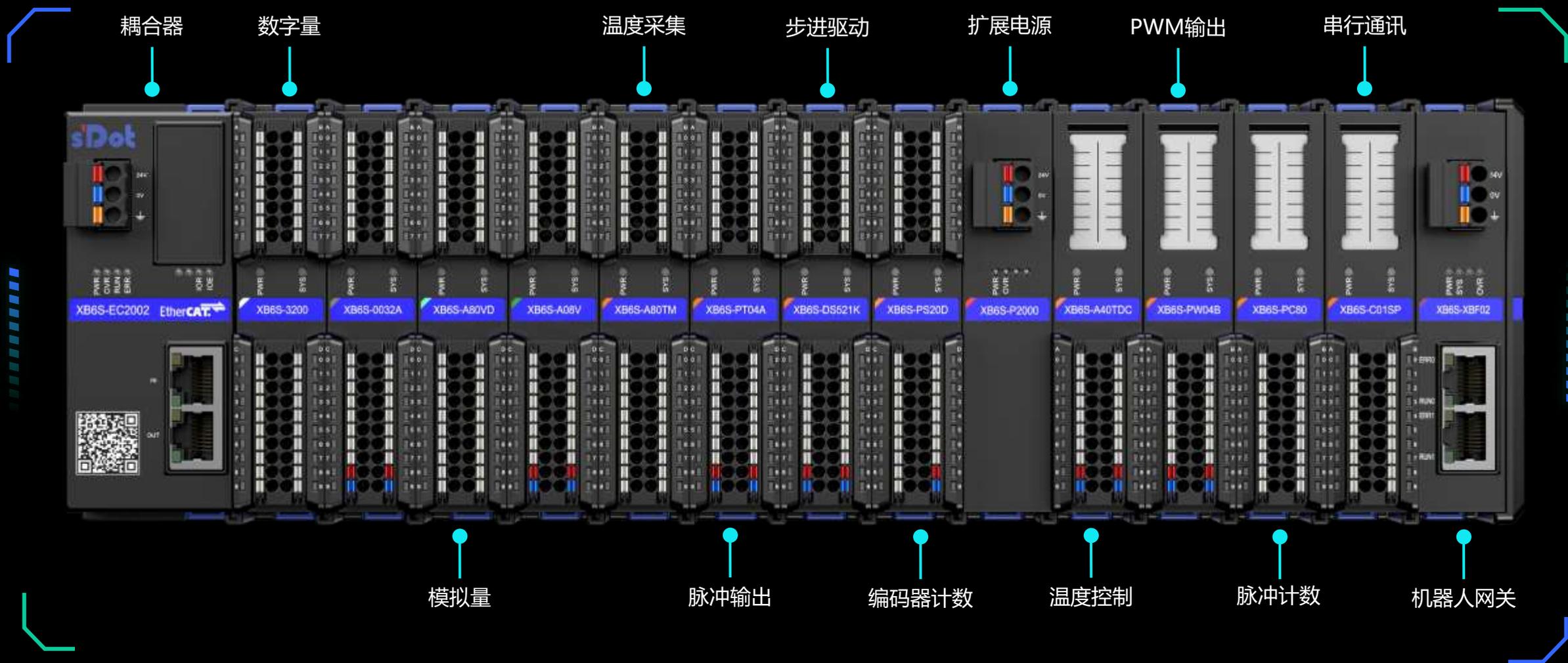
IO-Link总线 I/O



■ 超强抗扰，拒绝掉线 — 插片式I/O XB6S

sDot

产品经过严格EMC测试，超强抗扰，拒绝掉线；拥有自动诊断、告警、异常日志记录功能



■ 节省配线，应用多元 — 分布式I/O XBF



- 无需特殊线缆与工具，使用通用工业网线通讯
- 三线制为传感器供电，省去端子排，简化布线
- 扩展模块不占用总线节点资源，系统稳定性高
- 支持串型、星型、混合型多种拓扑，布局灵活
- 不同形态和防护等级产品序列，适应各种场景
- 可按需要进行点数、结构、特殊功能快速定制

■ 运动控制模块



- 步进驱动模块
- 脉冲输出模块
- 四轴脉冲输出模块
- PWM模块
- 脉冲计数模块
- 增量式编码器计数模块
- 绝对值式编码器计数模块
- 超采样高速数字量输出模块
-

■ 一体式I/O



一体式 立式I/O:

- 厚度仅为25mm
- 高速ARM+专用ASIC
- 自带双网口, 模块间可级联



一体式 卧式I/O:

- 高度仅为32mm
- 组态配置简单
- 创新通道指示灯设计



一体式 IP67总线I/O:

- 采用增强塑料材料
- 通用线缆, 兼容性高
- 预留固件升级接口

■ 网关模块



- 插片式协议转换网关
- 一体式协议转换网关
- 工业交换机
- EtherCAT分支器
- 一体式串行接口网关
- 串行通讯模块
-

■ 总线阀岛



- XBF阀岛（提供自有品牌电磁阀）
- 一体式阀岛 M12型C2S系列
- 一体式阀岛 网口型C2P系列
- 一体式阀岛 下插式系列
- 一体式阀岛 集线式系列
- 插片式阀岛
-

■ IO-Link总线I/O



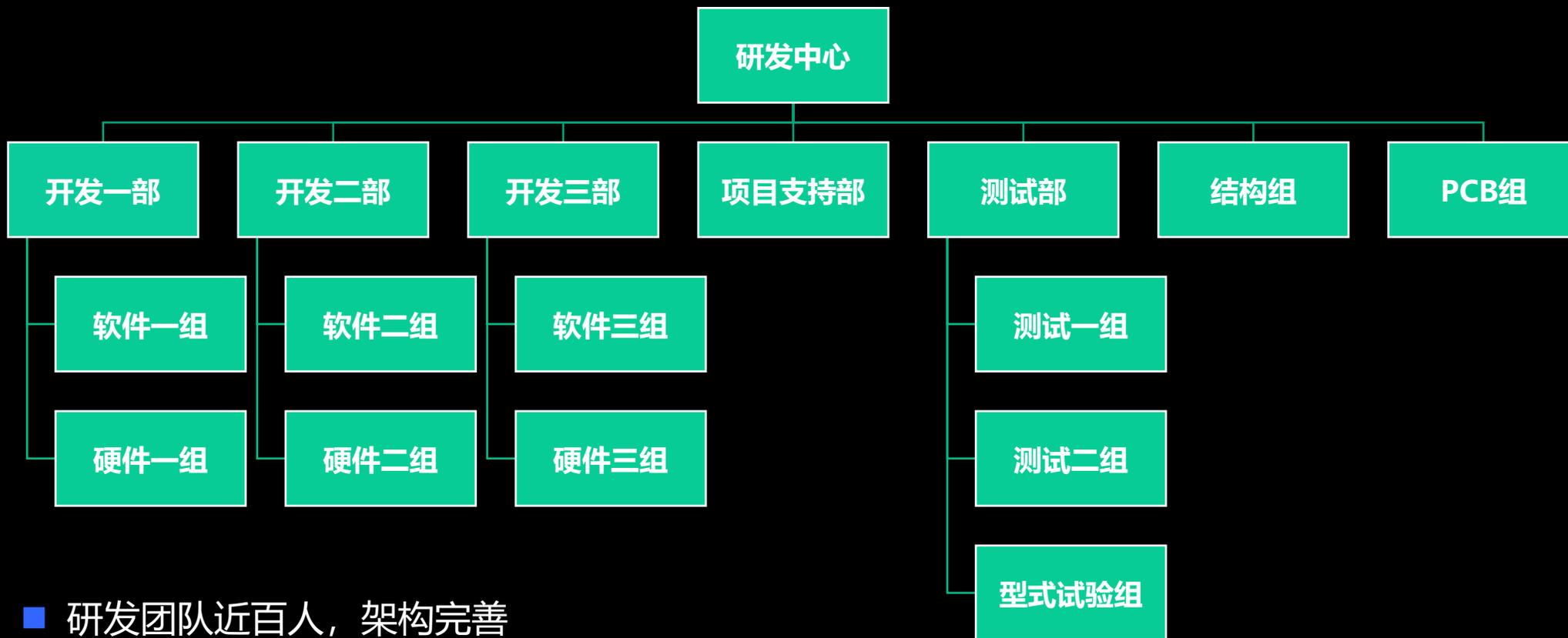
- 高达IP67防护等级
- 采用IO-Link v1.1 规范设计
- 支持多种总线协议
- 可连接各类IO-Link标准从站和标准开关量信号
- 通道级保护和诊断
-

PART THREE

研发能力 ■

03

■ 研发中心组织架构



- 研发团队近百人，架构完善
- 行业技术带头人超10人，经验丰富
- 培养带教活动众多，成长体系健全

技术创新



专利、软著等各类知识产权近百项



新产品基本为国内首发上市



市场响应快速，满足客户个性需求



■ 测试环境

拥有专业的系统集成测试、EMC和环境测试实验室



静电放电模拟器



射频传导抗扰度测试系统



射频传导抗扰CDN



电磁干扰去耦夹



电快速瞬变脉冲群模拟器



低压直流电源故障模拟器



组合波雷击浪涌模拟器

■ 测试环境



恒温恒湿试验箱



高低温试验箱



耐压测试仪



无纸记录仪

PART FOUR

生产能力 ■

04

■ 生产中心介绍



自有5000 m²
现代化厂房



十万级无尘车间



智能化温湿度管控



全面ESD静电防护



共有员工百人
质量中心10余人



江宁区隐龙路云创中心

■ 管理体系认证证书



ISO14001质量管理体系认证证书

ISO9001环境管理体系认证证书

ISO45001职业健康安全管理体系认证证书

CE、UL、RoHS、一致性认证证书



Attestation of Conformity
No. EA 110873 0006 Rev. 00

Holder of Attestation: Nanjing Solidot Electronic Technology Co., Ltd
11F, Ang Ying Building, No. 91 Shengqi Road, Jiangning District, 211106 Nanjing, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA

Name of Object: Industrial Control Systems and Components
XB8S Series Slave IO

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/53/EU relating to electromagnetic compatibility. It confirms that the tested apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuv.com.cn

Test report no.: 480224200002

Date: 2024-10-18

Jimbo
(Jimbo)

Page 1 of 3
This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer must sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.

TUV SUD Product Service Center | Heisenstraße 61 | 60529 Frankfurt am Main | Germany

Certificate of Compliance

Certificate Number: UL US-2553749-0
Report Reference: 0329695-20250123
Issue Date: 2025-01-11

Issued to:
Nanjing Solidot Electronic Technology Co., Ltd.
G No. 6, Moliang Str,
Shuang Road Nanjing, Jiangsu 211106
China

This certificate confirms that representative samples of:
NR4Q - Programmable Controllers
See Additional Page for Product Designation(s)

Have been evaluated by UL in accordance with the Standards referenced on this Certificate.

UL 61010-1, 3rd Ed., Issue Date: 2012-05-11, Revision Date: 2023-06-06, UL 61010-2-2NF, Edition 2, Issue Date 2019-06-14, Revision Date 2023-08-08

Additional Information:
See UL Product Guide at <https://www.ul.com/ul-product-guide> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization File that addresses the following UL Services Procedures for ongoing surveillance provide authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

David Pincus
UL Mark Certification Program Director

UL Solutions

Attestation of Conformity
No. RD458 110873 0005 Rev. 00

Holder of Attestation: Nanjing Solidot Electronic Technology Co., Ltd
11F, Ang Ying Building, No. 91 Shengqi Road, Jiangning District, 211106 Nanjing, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA

Product: Industrial Control Systems and Components
XB8S Series Slave IO

Tested according to:
EN 62071-1:2012
EN 62071-2:2012
EN 62171-1:2018
EN 62171-2:2018/AM1:2017
EN 62171-3:2014
EN 62171-4:2019
EN 62171-5:2019
EN 62171-6:2017
EN 62171-7:2017

The product was tested according to the European Directive 2011/65/EU concerning RoHS and additionally according to Directive 2012/19/EU in annex Annex 1 of the above mentioned Directive with a particular substance, Pb, Hg, Cr(VI), PBBs and PBDEs could not be detected over the limit values for the European Directive 2011/65/EU. REACH, RoHS and OHSAP could not be checked over the limit defined by the European Directive 609/2011/EU. This Attestation of Conformity confirms the compliance with the listed requirements on a voluntary basis. It refers only to the sample submitted and does not cover the quality or safety of the serial products. For details see www.tuv.com.cn

Test report no.: 48 409 24 0007 31 00001

Date: 2024-07-31

Yiannop G.
(Yiannop G.)

Page 1 of 3
After preparation of the necessary technical documentation as well as the EU Declaration of Conformity the required CE marking can be affixed to the product. Other relevant directives have to be observed.

TUV SUD Product Service Center | Heisenstraße 61 | 60529 Frankfurt am Main | Germany

Certificate
EtherCAT Conformance Test

Nanjing Solidot Electronic Technology Co.,LTD

EtherCAT Technology Group hereby confirms the above named company that the following device is successfully EtherCAT Conformance Tested

Device under Test
Product Name: XB8S-EC2002
Product Code: 045801
Revision Number: 041

Assigned Vendor ID: 0404443
Test Report Number: 0404443_001
EtherCAT Test Center: Beihang University, LNC, Beijing, China

Supported features tested

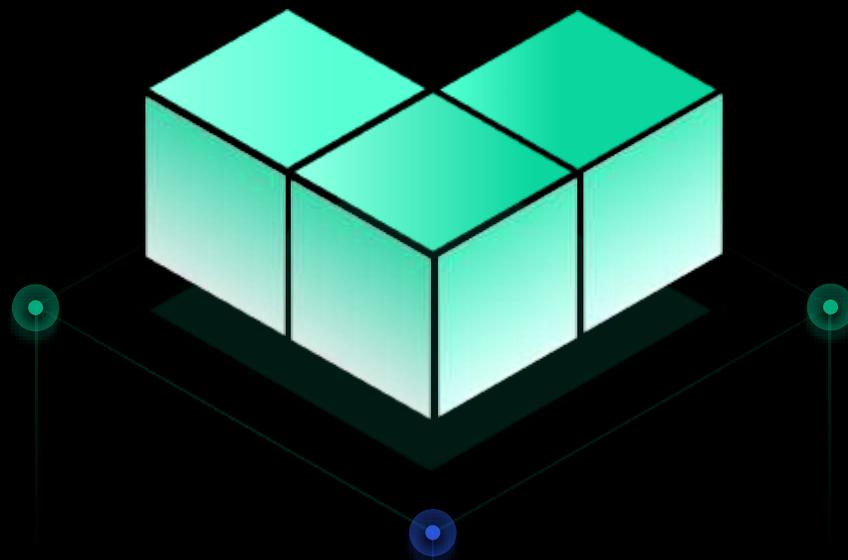
- Conformance Test Test 2.0.0.0
- EtherCAT Slave Machine
- Initiator and Labeling
- Distributed Clock
- Custom Device ID
- CoE Mailbox Protocol
- CM42 Profile
- Serial Device Profile

Nuremberg, June 24, 2024

A. A. A.
Wolfgang Krenn, Executive Director
EtherCAT Technology Group

■ 产能规模

年产能
200万pcs



设计产能
500万pcs

支持客户定制化需求
特殊工艺/急单响应

■ SMT产线能力

全自动贴片生产线*2



上板机

印刷机

SPI

高速贴片机

AOI

十温区氮气炉

3D-AOI

下板机



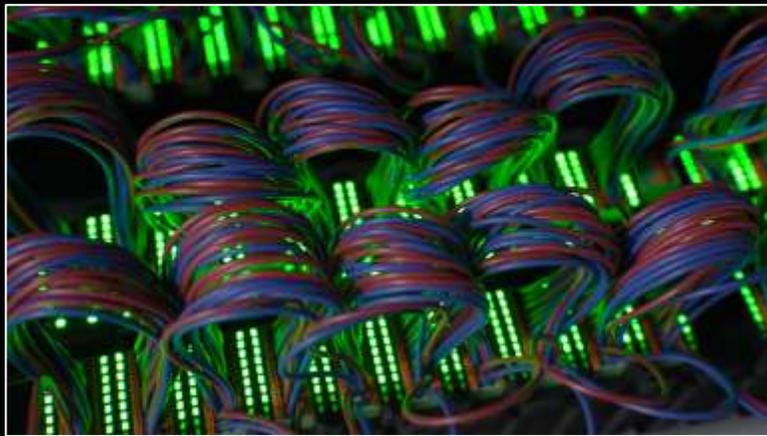
SMT AOI一次性直通率: **≥99.6%**

■ 老化测试能力

10间老化房，可实现 **6K** 模块同时作业



老化房



老化过程



温度看板

■ 自动测试能力

实时连接MES系统

减少人为误判

自动化测试设备覆盖率 $\geq 80\%$



■ 智能物流系统



WMS仓库管理



CTU静电箱转运



AGV自动搬运



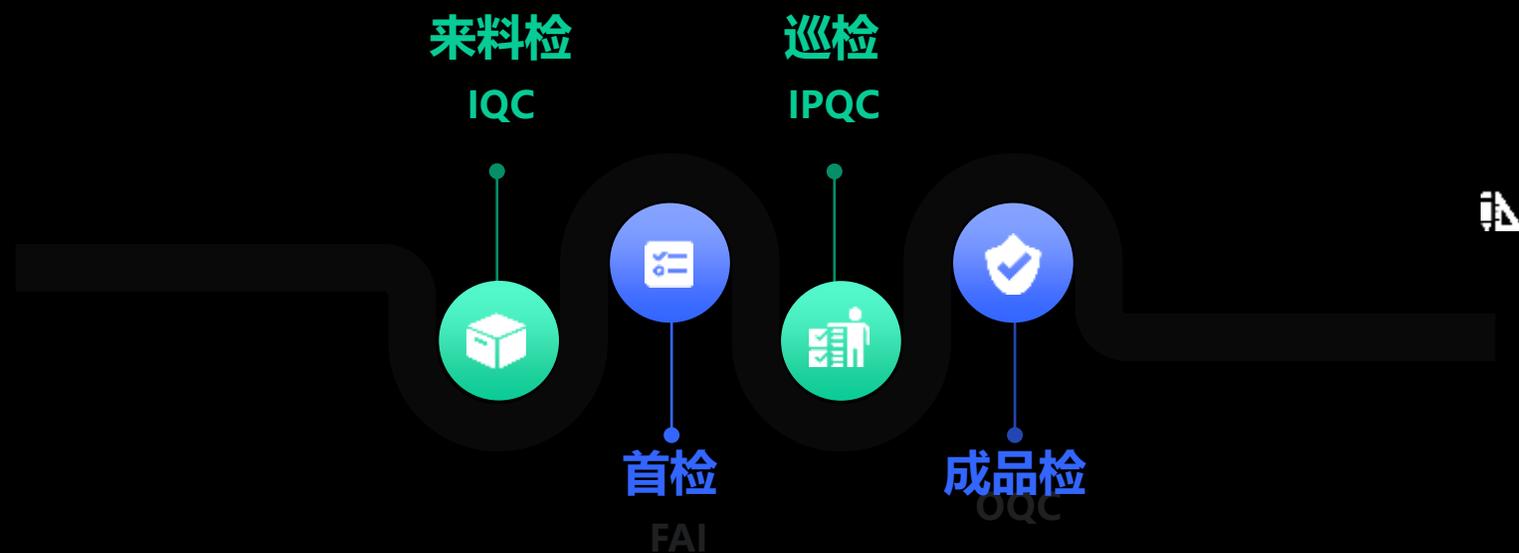
感应式亮灯货架

PART FIVE

质量保障 ■

05

■ 品控全流程穿透—四重质检节点



售后不良率: **≤1000PPM**



来料检



首检



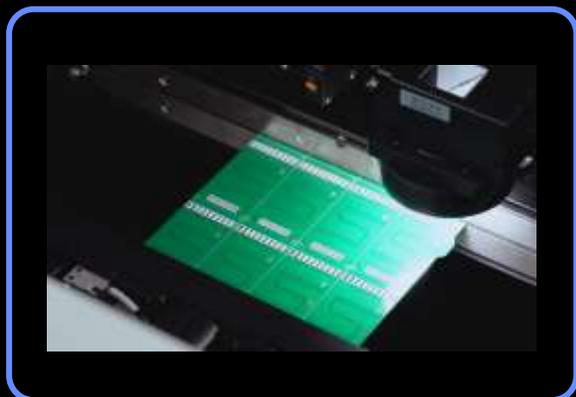
巡检



成品检

■ 物料—成品双向追溯

唯一身份标识



PCB镭雕二维码

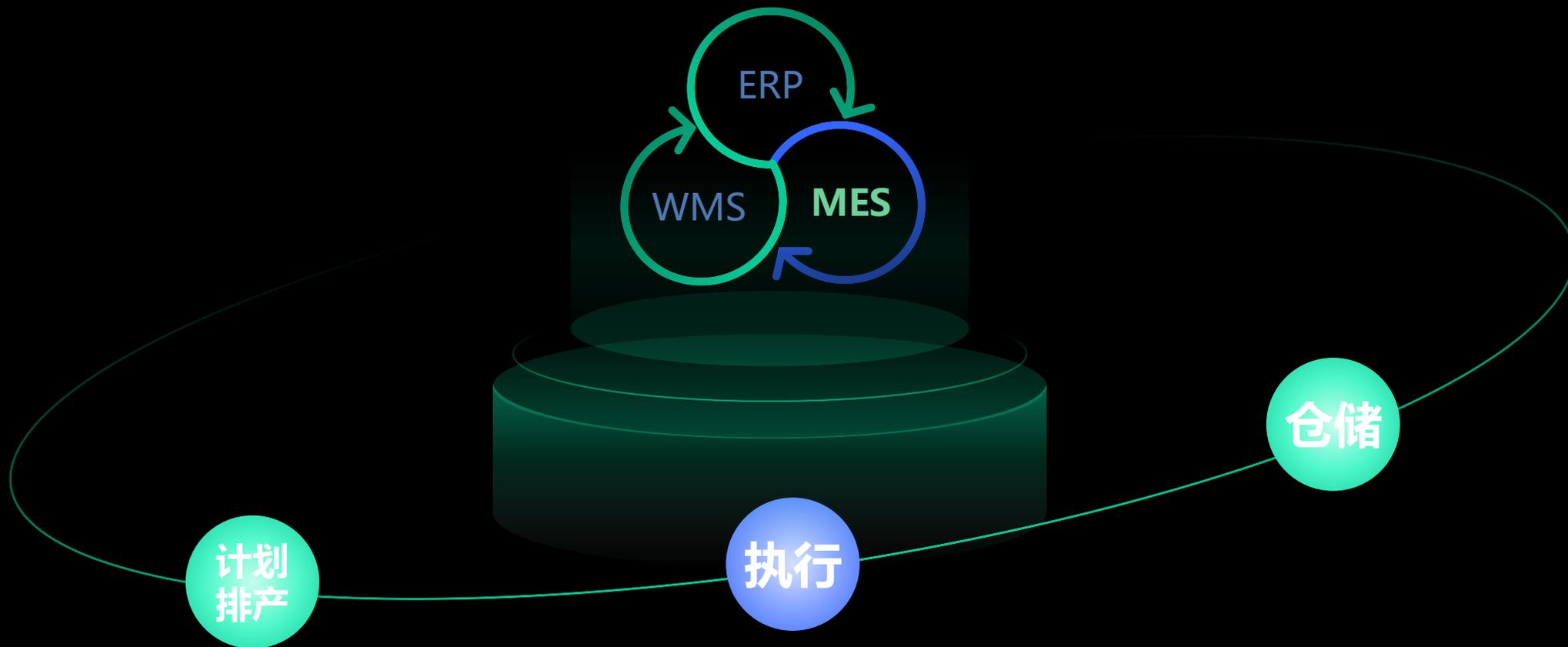


成品码

成品包装条形码



ERP-MES-WMS互联互通



实现计划排产-执行-仓储一体化

■ 可视化管控



生产管控

实际产出
生产计划达成率

效率管控

小时产能
工单稼动率

质量管控

实时质量数据
良率直通率

全周期数据可回溯

生产批次
测试记录
工艺参数

PART SIX

应用行业 ■

06

■ 应用行业

新能源



智能制造



3C



物流



汽车



环保



自动化



电力



化工





感谢观看

实点科技—I/O专家



南京实点电子科技有限公司
Nanjing Solidot Electronic Technology Co.,Ltd.