



OCS/Frame OCS 产品介绍
PRODUCT INTRODUCTION OF OCS/FRAME OCS

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无锡富创得智能科技有限公司
WUXI FORTREND INTELLGENT TECHNOLOGY CO.,LTD

公司简介

Company Profile

无锡富创得智能科技有限公司是半导体自动化传输设备及核心部件提供商，为行业提供稳定可靠的产品，包含有: 晶圆传输机器人ROBOT、晶圆装载系统 LOAD PORT、OCS、晶圆寻边器 ALIGNER等半导体产品，广泛应用在半导体和泛半导体传输制程中。

Wuxi FORTREND Intelligent technology Co., Ltd. is a semiconductor automatic transfer equipment and core components provider, to provide the industry with stable and reliable products, including: wafer transfer ROBOT, wafer loading system LOAD PORT, wafer finder ALIGNER, etc., widely used in semiconductor and universal semiconductor transfer process.

核心优势

Core advantage

45+

45年半导体行业经验
45 years of experience in semiconductor industry

36%

研发人员占比36%
Research and development personnel accounted for 36%

12.5%

研发支出约占公司收入的12.5%
R&D spending accounts for about 12.5% of the company's revenue

1800+

年产能超1800台
The annual production capacity exceeds 1800 units

全球专利

Global Patent

关键核心专利自有 | 全球专利超100项

Key core patents have more than 100 global patents



坚守品质
采用国际标准

全球售后无忧

Global after-sales

24

24个当地客服中心
24 local call centers

2-4H

最快2-4小时内响应
The fastest response within 2-4h



富创得 OCS 选型规则

Fortrend OCS Selection Rules



OCS
(Open Cassette Station)

Wafer 类型
Wafer type
W-常规 Wafer
T: Frame Wafer

- 尺寸
- 1: 75 - 75mm(3寸)
 - 2: 100 - 100mm(4寸)
 - 3: 125 - 125mm(5寸)
 - 4: 150 - 150mm(6寸)
 - 5: 150C -150mm(6寸)
 - 6: 150D -150mm(6寸) 兼容100mm(4寸)
 - 7: 150D-150mm(6寸) 兼容100mm(4寸)、75mm(3寸)
 - 8: 200 - 200mm(8寸)
 - 9: 200C - 200mm(8寸) 兼容150mm(6寸)
 - 10: 200D - 200mm(8寸) 兼容150mm(6寸)、125mm (5寸)
 - 11: 200E - 200mm(8寸) 兼容150mm(6寸)、100mm (4寸)
 - 12: 300 - 300mm(12寸)
 - 13: 300C - 300mm(12寸) 兼容200mm(8寸)
 - 14: 300E - 300mm(12寸) 兼容200mm(8寸)、150mm (6寸)

Mapping
MA:带左右扫Mapping功能
MB:带前后扫Mapping功能
无记号:不带Mapping功能

读码方式
BC: Bar Code
RD: RFID
无记号:无需读码

外罩
PL:配置塑料外罩
MT:配置金属外罩
无记号:不配置外罩

客制化订单
K:特殊客制化订单
无记号:标准量产订单

客制化方案

CUSTOMIZED SOLUTIONS

客户信息 CUSTOM INFO			
公司名称 Company name		公司地址 Company address	
技术联系人 Technical contact		商务联系人（可选） Business Contact (optional)	
电话 Telephone		电话 Telephone	
电子邮箱 Email address		电子邮箱 Email address	

客户需求配置表 CUSTOM REQUIREMENTS CONFIG		
配置信息 Configuration information	晶圆尺寸 Wafer size	☐ 3 inch ☐ 4 inch ☐ 5 inch ☐ 6 inch ☐ 8 inch ☐ 12 inch 兼容 compatible
	晶圆类型 Wafer type	☐ 普通片 Regular Wafer ____ um ☐ Frame 片 ____ um 铁环外径____ mm ☐ 其他 Other ____ um
	晶圆材质 Wafer material	☐ 单晶硅 Si ☐ 碳化硅 SiC ☐ 氮化镓 GaN ☐ 玻璃 Glass ☐ 其他 Other _____
	载具类型 Carrier type	生产商 Producer： _____ 型号 Model： _____
	标签类型 Tag type	标签类型 Tag type： _____ 标签位置 Tag position： _____
选配功能 Optional function	Mapping Cover	☐ 左右扫 Mapping ☐ 前后扫 Mapping ☐ 无 NO
	外罩 Port Bracket	☐ 塑料外罩 Plastic Housing ☐ 金属外罩 Metal Housing ☐ 无 NO
	Port支架	☐ 有 Yes ☐ 无 NO
备注事项 remarks		

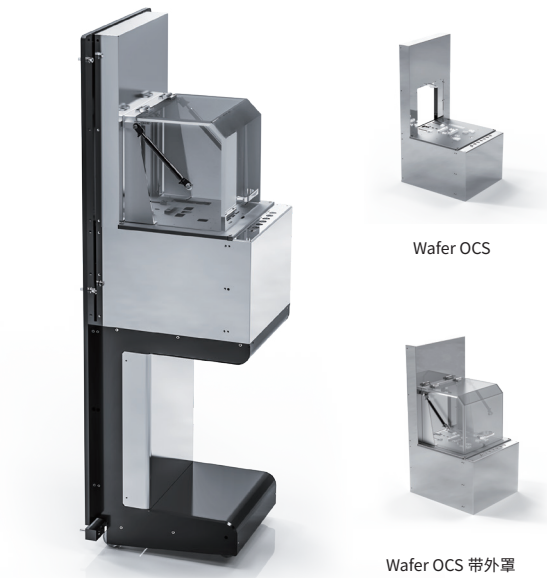
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Wafer Open Cassette Stage

Wafer OCS

富创得 Wafer OCS 能够适应多种尺寸的晶圆盒,支持开放式和半开放式设计,同时配备防护罩以降低颗粒污染风险,确保晶圆在传输过程中的洁净度和稳定性,广泛适用于半导体设备EFEM、Sorter等。

Fortrend Wafer OCS (Open Cassette Stage) can accommodate wafer cassettes of various sizes, supports both open and semi-open designs, and is equipped with a protective cover to reduce the risk of particle contamination. It ensures cleanliness and stability during wafer transfer and is widely applicable to semiconductor equipment such as EFEM (Equipment Front End Module) and Sorter.



Wafer OCS 带外罩支架

可选配多种客制化配件,灵活应对不同工况需求;
A variety of customizable accessories are available to flexibly meet the needs of different working conditions.

专为 Wafer Open Cassette 设计;
Specifically designed for Wafer Open Cassette.

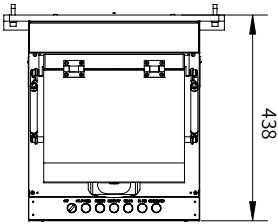
可原配原厂 Mapping 系统,可进行叠片、斜片等检测,杜绝晶圆传输中的撞片问题。
It can be equipped with the original factory Mapping system, capable of detecting overlapping and tilted wafers, effectively preventing wafer collisions during transfer.

规格参数 specifications parameter	
机身尺寸	425mm*365mm*772mm (依据配置不同而变化)
整备质量	35~100±0.5kg(依据配置不同而变化)
额定电压	DC 24 V
额定电流	6 A
额定功率	144W
通讯方式	RS232
通讯协议	HEX、ASCII
载体尺寸	符合SEMI标准的Open Cassette
选配组件	RFID
	Mapping (左右扫、前后扫)
	外罩 (金属外罩、塑料外罩)
	Port支架

产品视图 PRODUCT VIEW

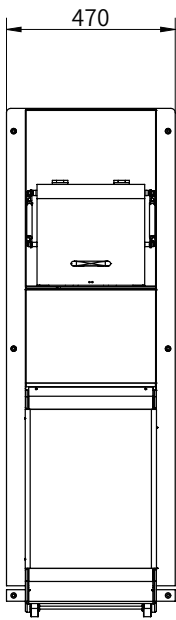
顶视图

Top View



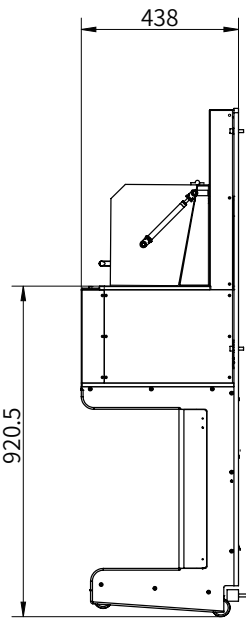
正视图

Top View



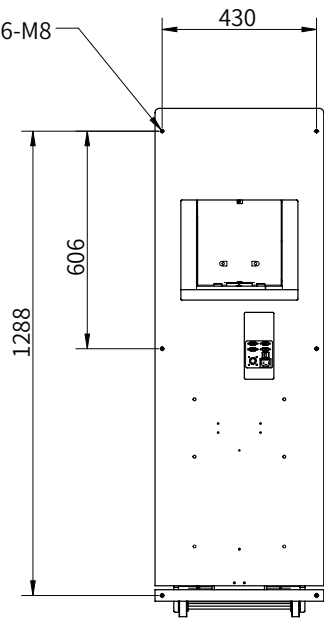
侧视图

Side View



后视图

Rear View



Frame Open Cassette Stage

Frame OCS

富创得 Frame OCS 能够适应多种尺寸的晶圆盒,支持开放式和半开放式设计,同时配备防护罩以降低颗粒污染风险,确保晶圆在传输过程中的洁净度和稳定性,广泛适用于半导体设备EFEM、Sorter等。

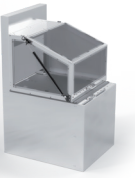
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专为 Frame Open Cassette 设计

Specifically designed for Frame Open Cassette

可原配原厂 Frame Mapping 系统,可进行叠片、斜片等检测,杜绝晶圆传输中的撞片问题

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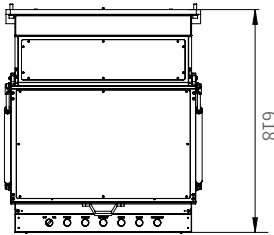
Frame OCS 带外罩支架

规格参数 specifications parameter	
机身尺寸	425mm*365mm*772mm (依据配置不同而变化)
整备质量	60~130±1kg(依据配置不同而变化)
额定电压	DC 24 V
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通讯方式	RS232
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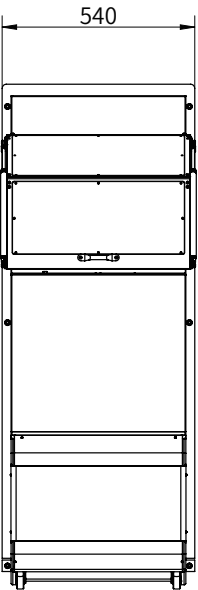
顶视图

Top View



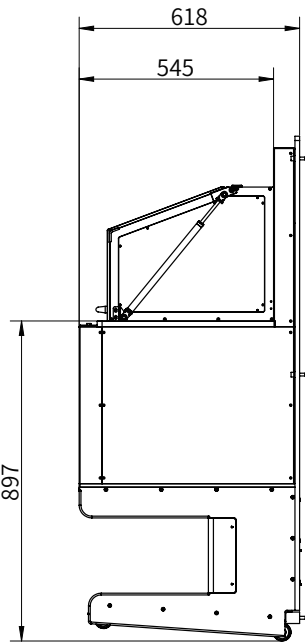
正视图

Top View



侧视图

Side View



后视图

Rear View

