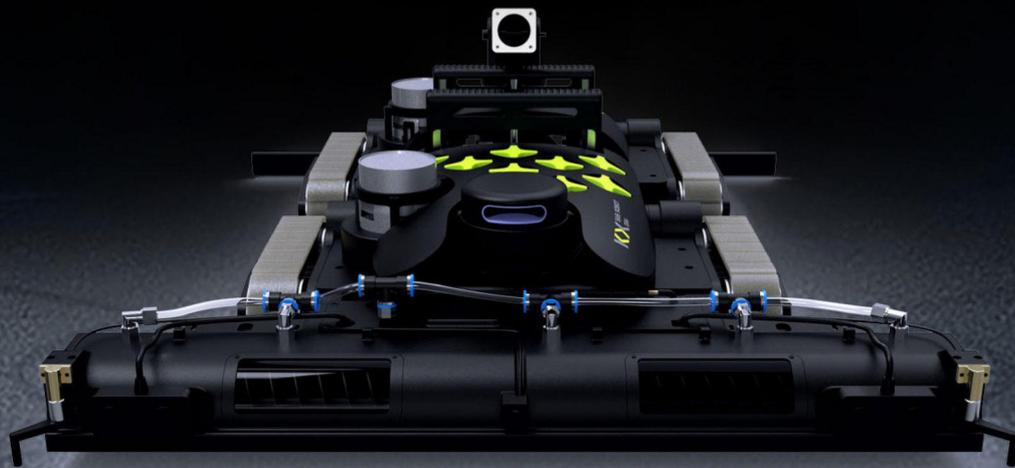


# Curtain Wall Cleaning Robot Leader



申锡机械集团有限公司  
SHENXI MACHINERY CO., LTD.

# 行业痛点

## Industry Problem

- **危险性 Dangerous**

传统“蜘蛛人”作业风险极高，安全事故频发

The traditional spiders are in hazardous working conditions and easy to have accidents.

- **用工荒 Labor Shortage**

95%的“蜘蛛人”年龄在40-50左右，

面临“青黄不接”

95% of Spiders are 40-50 years old.

- **成本高 High Cost, keeping raised**

人均800-1500/天，且成本逐年上涨

- **清洁效果差 Poor Cleaning Effect**

洁净质量无法保证一桶水从上洗到底

The cleaning effect is poor because using a bucket of water to clean the curtain wall from top to bottom.



# 产品介绍 | Product Introduction

后清洁模组 .....

**Rear Cleaning Module**

安全供给模组 .....

**Safety Assurance Module**

多变功能扩展模块 .....

**Multi Variable Function Expansion Module**

悬崖检测模组 .....

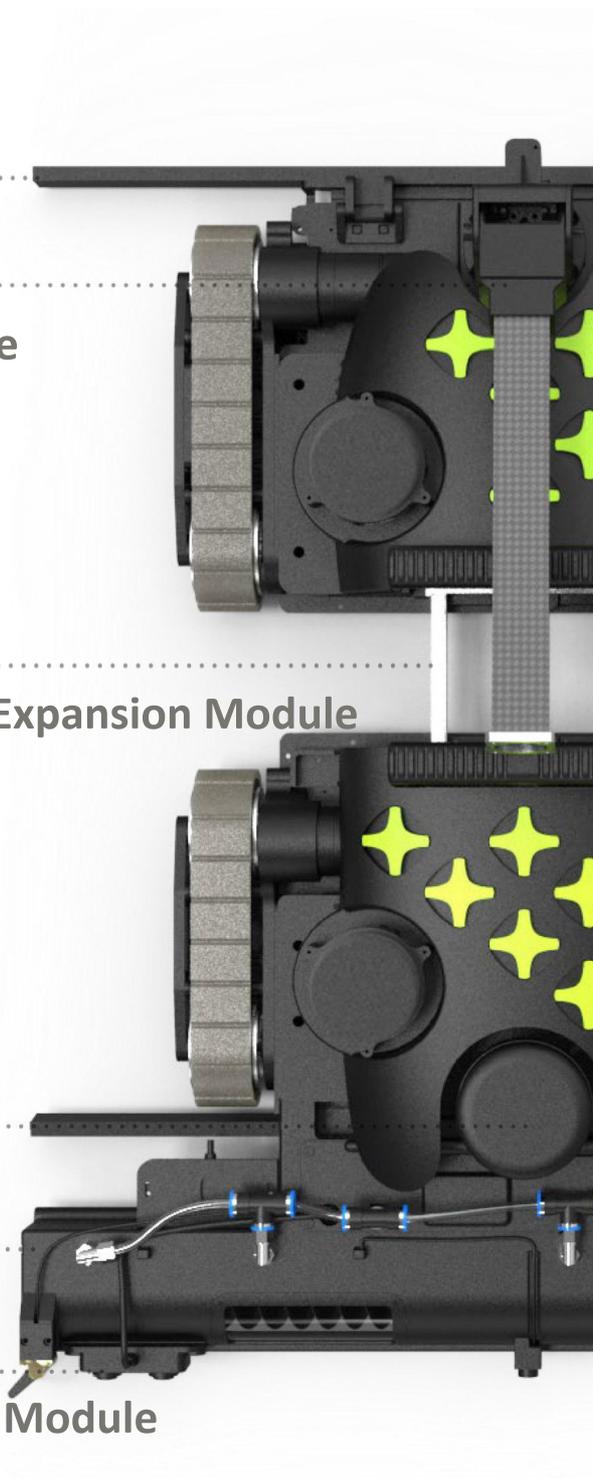
**Cliff Detection Module**

前清洁模组 .....

**Front Cleaning Module**

前方障碍预警模组 .....

**Front Obstacle Warning Module**



# 产品介绍 | Product Introduction

## 基本参数 Specification

整机重量 Weight	13kg
外形尺寸 L×W×H Size	70×60×20cm
整机功率 Power	750w
供电电压 Voltage	AC 220v

## 工作性能 Performance

清洗效率 Cleaning Effect	500 m <sup>2</sup> /h
清洗方式 Cleaning Method	五步深度清洁 5 Steps deep cleaning
工作方式 Operation Mode	全自动或手动远程遥控 Automatic or remote control
可跨越障碍物 Crossing Obstacles	10×10cm L×H
连续工作时间 Working Time	7×24h
耗水量 Water Consumption	<小于 150ml/ m <sup>2</sup>
可清洗高度 Cleaning Height	300m
使用寿命 Service Life	5000hour



# 200kg

最大吸力 Max Vacuum

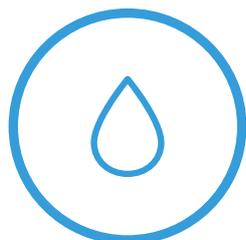
Rated Vacuum 正常工作状态吸力: 80kg

Max Vacuum 最大吸力: 200kg

Weight 产品自重: 13kg

可在 6 级大风天气稳定工作  
Stable operation in strong wind of level 6

# 产品优势 | Product Superiority



## 深度洁净 Deep Cleaning

清水喷、高速刷、污水收、高温擦

比人工更干净

Spray clean water, brush at high speed,  
collect sewage, wipe at high temperature,  
cleaner than manual

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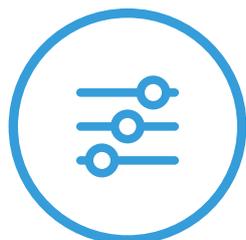
## 效率卓越 Excellent Efficiency

沿“之”字形清洁

不走“冤枉路”

Clean along the "之" course without taking the wrong way

# 产品优势 | Product Superiority



## 超强越障

### Super Crossing Obstacles Ability

翻越 10cm 障碍 (第一代)

翻越 25cm 障碍 (第二代)

Crossing 10cm obstacles ( The 1st generation)

Crossing 25cm obstacles ( The 2nd generation)

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## 多种立面

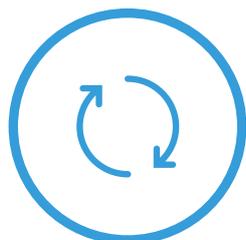
### Multiple Facades

立面、反斜面、圆弧面

多种材质墙面

Elevation, reverse slope, arc surface  
wall surface of various materials

# 产品优势 | Product Superiority



## 自动规划

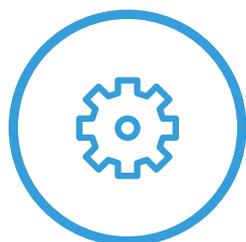
### Automatic Planning

多传感器融合算法自动制定清洗方案

减少人工参与无死角遗漏

Multi sensor fusion algorithm,  
automatically specify cleaning scheme,  
reduce manual participation&avoid missing dead corners

.....



## 布置简单

### Simple Arrangement

重量小于 13kg

单手拿起轻松布置

Weight less than 13kg  
easy to pick up arrangement with one hand

## 产品优势 | Product Superiority

全球独创高空作业平台机器人，采用负压吸附和履带小车结构，可实行垂直自由行走，转向。

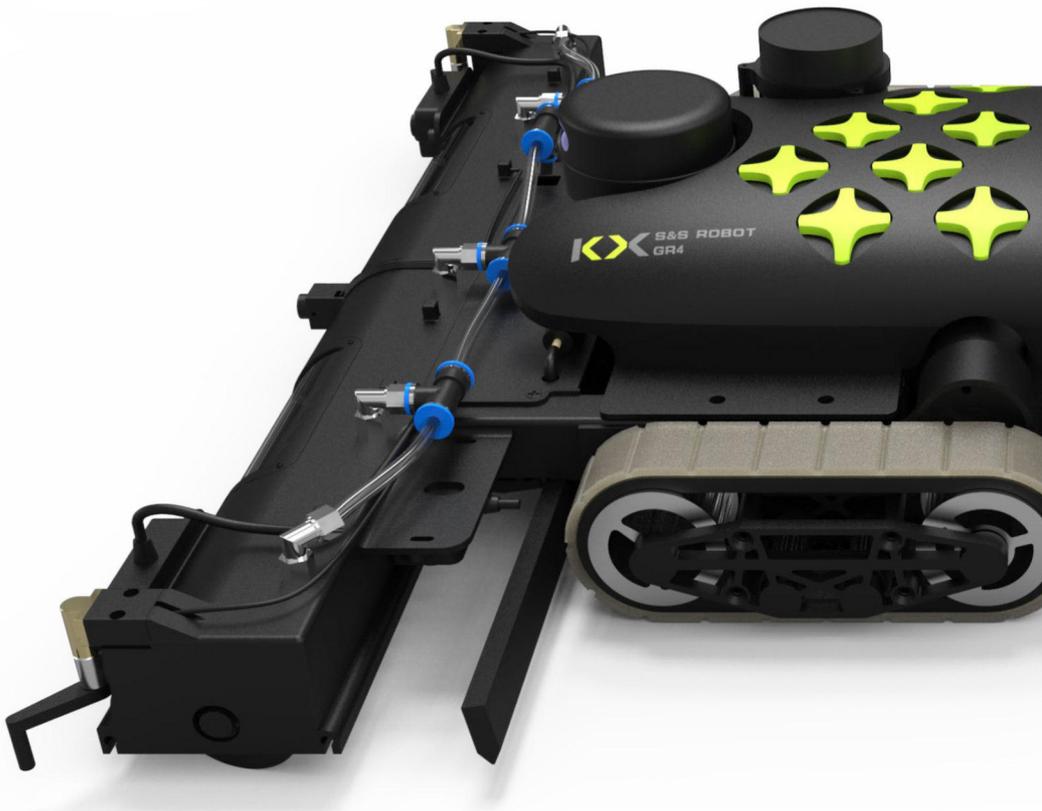
The world's original high-altitude work platform robot adopts negative pressure adsorption and crawler trolley structure, which can realize vertical free walking and steering.

可跨越 10 厘米障碍物。

Able to cross 10cm Obstacles.

可轻松完成 5 步深度清洁，清洁机器人的天花板。

Easy to complete 5 steps deep cleaning, top in the industry.





## 场景应用 | Applicable Scene



幕墙清洗和检测  
Cleaning & Inspection  
of Curtain Wall



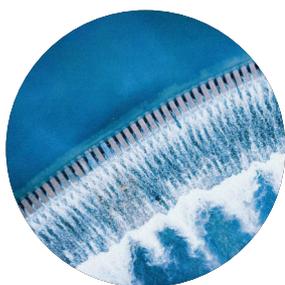
工业能源检测  
Industrial Energy Detection



桥梁、隧道检测探伤  
Inspection and Flaw Detection  
of Bridge and Tunnel



风电设备清洗检修  
Cleaning and Maintenance  
of Wind Power Equipment



水坝巡检、维修  
Inspection and Maintenance  
of Dam Patrol



轮船清洗  
Ship Cleaning