



打造柔性智能的物料处理整体解决方案

Flexible & Intelligent Turnkey Solutions For Material Handling

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MESNAC

1992年起，软控开始研发设计气力输送系统，业务涵盖化工、食品、医药、锂电等众多领域，并于2020年成立浙江软控智能科技有限公司，专业承接物料处理业务，目前已成为国内物料处理领域的领先品牌，在锂电行业配料系统市场占有率达第一。

Since 1992, MESNAC developed pneumatic conveying system, and its business covers such fields as chemical industry, food, medicine, lithium battery, etc. In 2020, Zhejiang MESNAC Intelligent Technology Co., Ltd. was established to specialize in material handling business. It has now become a domestic leading company in material handling field and has the largest share in the batching system market.

1992

成立 Founded

2006

IPO

10 Billion+ RMB

销售收入 Sales Revenue

占地面积
Construction
Area

821,000+m²

MESNAC
员工总数
Employees

4,900+

研发工程师
R&D
Engineers

1600 +

全球分支机构
Global
Branches

15

已获认证系统
Certification
system

CE/UL

输送|搅拌系统年产量
Annual output of dosing and
mixing systems

1200+ | 600+



青岛总部Headquarter



青岛基地 Base 1



诸暨基地Base 2

1992

成立课题组，开始研发设计称量配料及气力输送系统

Development of pneumatic conveying system

2003

进入油墨行业，将软控技术烙印在人民币之上

Responsible for banknote ink of China

2006

为大型食品/医药客户提供物料处理解决方案

New competition in the food and medicine industry

2010

进入化工行业，提供智能化ABS粉粒料输送系统

Intelligent ABS Powder and Granular Material Conveying System

2011

亚洲最大的软控物料处理技术中心投入使用

The Largest Material Handling Technology Center in Asia

2013

深度合作ATL&CATL，成为锂电行业知名供应商

Cooperation with ATL&CATL, as a well-known supplier in lithium battery industry

2017

形成化工、食品、医药、锂电多维发展业态

Multi-dimensional development of chemical industry, food, pharmaceuticals and lithium battery

2020

浙江基地开工，开启战略发展新征程

Zhejiang MESNAC Intelligent Technology Co., LTD was established

2024

致力于提供智能整线解决方案，持续研发创新，进行全球化部署

Flexible & Intelligent Turnkey Solutions and Expand Overseas Operation



- 核心产品均通过CE/UL体系认证 Passed CE/UL certification
- 全国管道物料输送技术委员会理事长单位 Chairman Unit of National Technical Committee for Pipeline Material Handling
- “高精度自动物料输送称量配料系统”荣获“国家科学技术进步二等奖” High precision automatic material conveying, weighing and batching system won the second prize of National Science and Technology Progress Award
- ISO 9001:2015 质量管理体系认证 Quality Management System Certification
- ISO 14001:2015 环保管理体系认证 Environmental Management System Certification
- ISO 45001:2018 职业健康安全管理体系认证 Occupational Health and Safety Management System Certification
- 机电工程总承包资质、化工工程安装资质 Mechanical and electrical engineering general contracting qualification, chemical engineering installation qualification
- 防爆认证TPS 22 ATEX Explosion-proof certification TPS 22 ATEX
- 压力容器PED认证 Pressure Equipment Directive PED certification
- 软件企业国际认证CMMI3 International certification of software enterprises CMMI Level 3
- EcoVadis企业可持续发展水平-金牌评级EcoVadis Corporate Sustainability Ratings - Gold Medal



专利 Patent

共申请（拥有）专利近1300项
Nearly 1,300 patents have been applied for (owned)
其中发明专利570余项
More than 570 invention patents
海外专利100余项.....
More than 100 overseas patents



软件著作权
Software Copyright

获得160余项
More than 160



国家科技进步奖
National Science and
Technology Progress
Award



省部级科技奖励
Provincial and
ministerial science and
technology awards



国际标准
International
standards



国家及行业标准
National and
industry standards



国家级科技项目
National science
and technology
projects

●近千亩的国内外加工装配基地（中国、美国、斯洛伐克）

A total of nearly 165 acres of manufacturing & assembly area (in China, USA, Slovakia).

●引进美国、德国、斯洛伐克等国的制造专家，打造专业的加工装配队伍

World-class manufacturing experts are introduced to build a professional team.

●拥有准备、焊接、机加、热处理、喷漆等专业车间及专业设备并设有恒温车间

Workshops & equipment for preparation, welding, machining, heat treatment, painting, etc and constant temperature workshop.

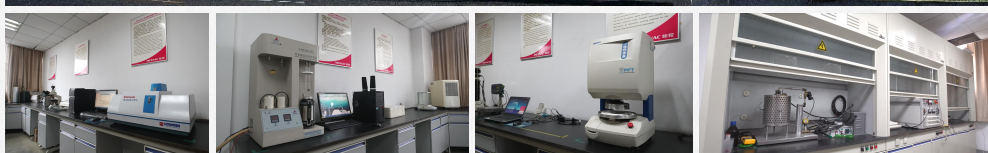
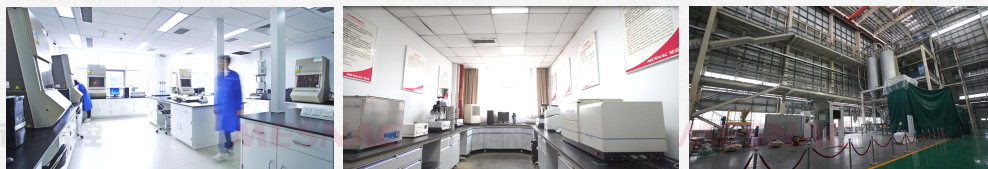
●进口龙门加工中心、数控加工中心、落地镗、车削中心、深孔钻等200多台大型数控精密加工设备，加工精度可达 μ 级

More than 200 large-scale CNC precision machining equipment with accuracy up to μ level.

●数千件各类精准的检测器具，包括百余台金属原材料检验设备及质量控制测量设备

Thousands of testing equipment, including more than 100 metal raw material inspection equipment and quality control measuring equipment.





●该中心主要从事粉体物性测试、基础理论研究、先进工程技术试验和学术交流等，并根据ISO17025标准搭建了完善的实验测试体系

The center is mainly engaged in powder physical property testing, basic theoretical research, advanced engineering technology testing and academic exchanges, and has established a complete experimental testing system according to ISO17025 standard.

8

400m+ 气力输送实验系统
400m+ Pneumatic conveying
experimental system

50+

物料特性测试仪器
Material property test
instruments

10000+

累积10000+
物料数据
Accumulate 10000+ material
data



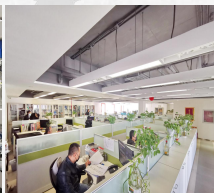
与多所国际知名实验机构
建立紧密合作关系
Close cooperation with internationally
renowned experimental institutions



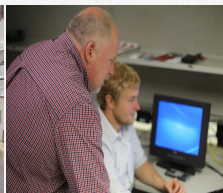
英国研发中心
UK Research and Technical Centre



欧洲研发中心
US Equipment Manufacturing Center



北京研发中心
Beijing Research and Technical Centre



美国研发中心
US Equipment Manufacturing Center



青岛研发中心
Qingdao Research and Technical Centre



深圳研发中心
Shenzhen Research and Technical Centre



德国销售中心
EU sales center



美国销售中心
US Sales Center

形成以“智能装备-物料处理系统-智能配套服务”为强支撑的整线产业布局，为各行业客户打造柔性智能的整体解决方案，助力产能升级。

MESNAC has been engaged in **Intelligent Equipment - Material Handling System - Intelligent Supporting Service**, providing flexible and intelligent turnkey solutions for customers in various industries to upgrade production capacity.



专业从事各种粉粒体物料的气力输送、配料计量、混合均化系统以及固液两相流定制化系统及整线装备的研发制造。

MESNAC specializes in the R&D and manufacturing of pneumatic conveying, dosing and metering, slurry-mixing systems for various powder and granular materials, as well as customized solid-liquid two-phase flow systems.



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03

| 化工行业/食品制药行业解决方案_Project Case

新能源 _ New Energy

Li

锂电池生产极片段整体解决方案

Turnkey solution for lithium battery pole piece production

Na

钠电池生产极片段整体解决方案

Turnkey solution for sodium battery pole piece production

原材料立库
Raw material warehouse

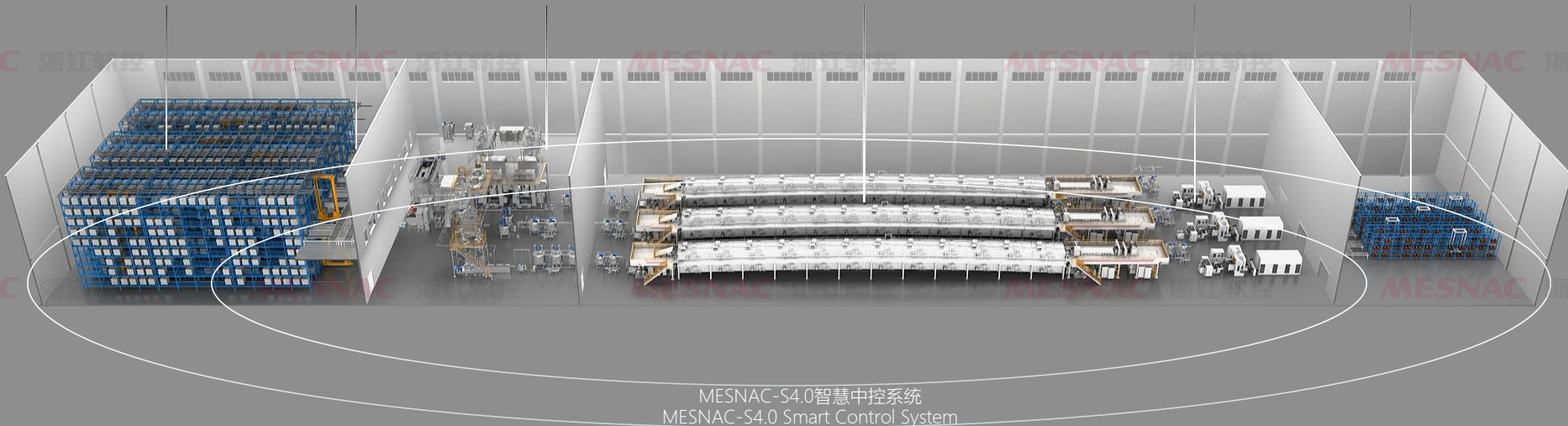
智能物流
Intelligent logistics

配料&匀浆
Dosing and mixing

涂布
Coating

辊压分切
Calendering and slitting

极片库
Electrode warehouse



配料&匀浆_Dosing and mixing

7 RFID物料识别系统
RFID Identification System

1 大包自动破包机
Automatic Big-Bag Unpacking Machine

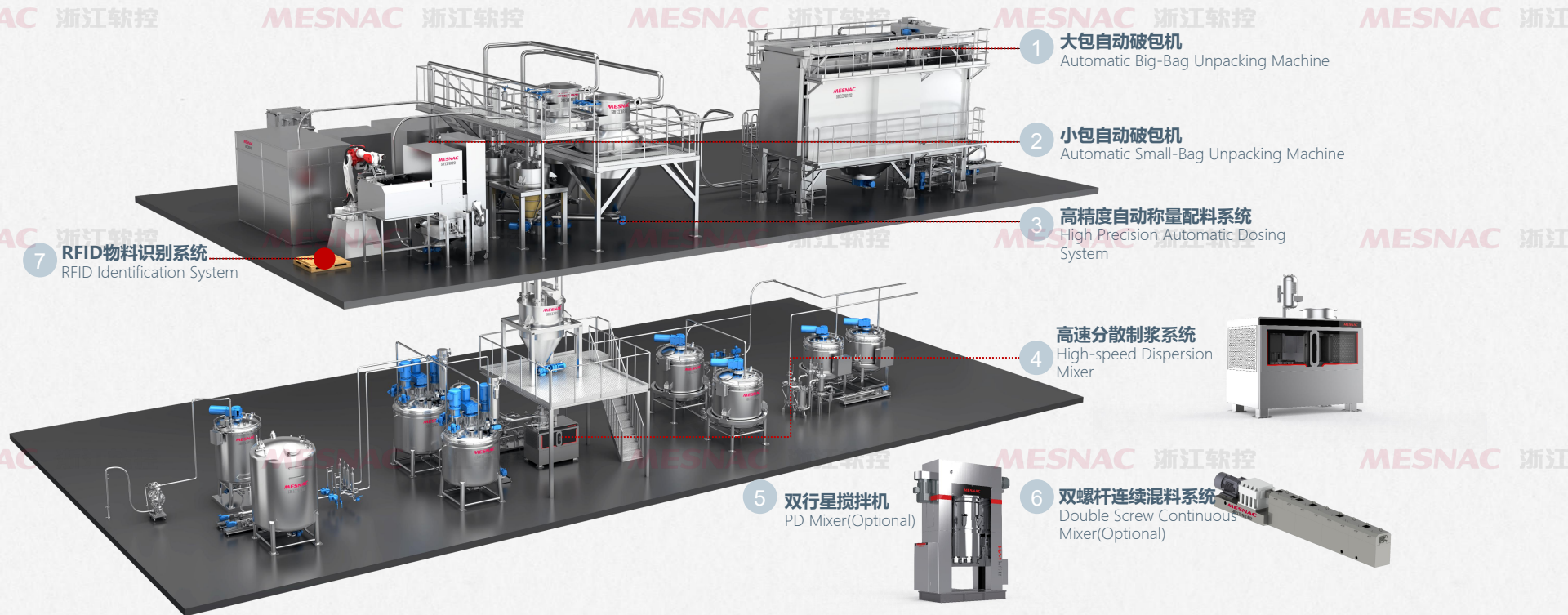
2 小包自动破包机
Automatic Small-Bag Unpacking Machine

3 高精度自动称量配料系统
High Precision Automatic Dosing System

4 高速分散制浆系统
High-speed Dispersion Mixer

5 双行星搅拌机
PD Mixer(Optional)

6 双螺杆连续混料系统
Double Screw Continuous Mixer(Optional)



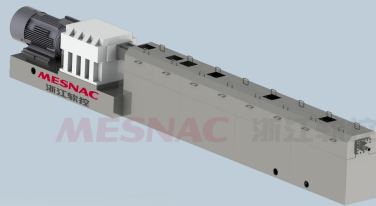
MESNAC自主研发智能匀浆装备
MESNAC develops its own intelligent dosing & mixing equipment



高速分散制浆系统
High-Speed Dispersion Mixer



双行星搅拌机
PD Mixer



双螺杆连续混料系统
Double Screw Continuous Mixer



小包自动破包机
Automatic Small-Bag Unpacking Machine



大包自动破包机
Automatic Big-Bag Unpacking Machine



自动清料双套管
Double-layer pipe



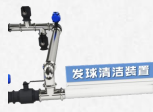
自主气控单元
Air control unit



螺旋/气缸清料
Screw/Cylinder
Cleaning Technology



双层重力落料管道
Double-layer Pipe of
Gravity Blanking



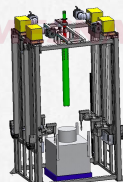
发球清洁装置
Solvent & slurry
cleaning system



大包手动解包机
Normal type of Big
Bag



小包半自动吸料枪
Suction System of Small
Bag



大包自动吸料装置
Automatic Suction
System of Big-bag



溶剂自动吸料装置
Solvent automatic
absorbing



自动除铁器
Automatic Magnetic
Filter



粘性物料-软斗料仓
Soft scale hopper

MESNAC自主研发智能涂辊分装备
MESNAC develops its own intelligent coating & calendering and slitting equipment



涂布机
Coating Machine



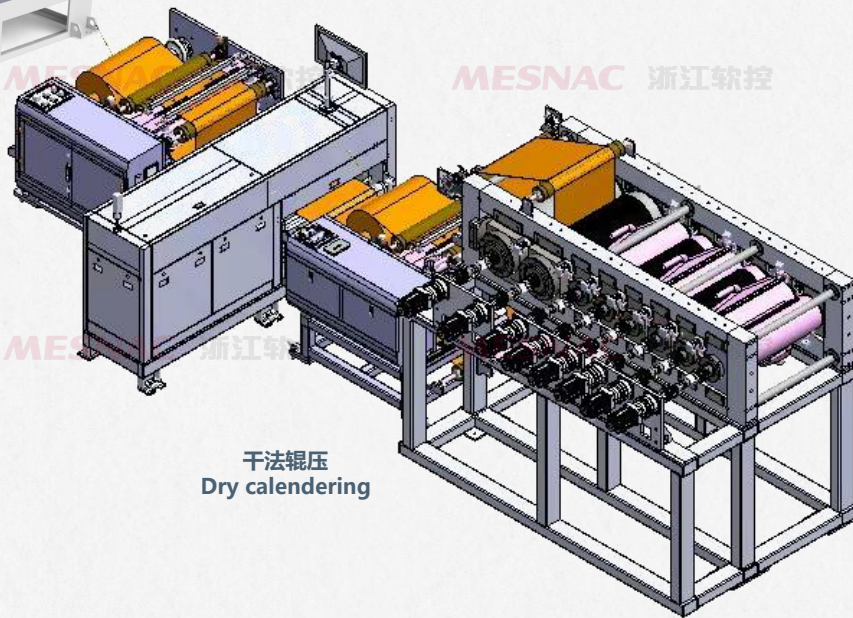
辊压分切机
Calendering & Slitting Machine

涂布宽度 Coating Width ≤1600mm	涂布速度 Coating Speed ≤120m/min	区域密度精度 Area density accuracy ≤1.0%	张力精度 Tension Accuracy ≤±1N	收放直径 Winding and unwinding diameter ≤1200mm	设备稼动率 Utilization of equipment ≥98%	产品优率 Product qualification rate ≥99.5%
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辊压宽度 Roll Width ≤1500mm	辊压速度 Roll Speed ≤120m/min	轧辊直径 Roll Diameter ≤900mm	张力精度 Tension Accuracy ≤±5N	收卷承重 Winding Bearing ≤1000KG	设备稼动率 Utilization of Equipment ≤85%	产品优率 Product Qualification Rate ≥99.8%
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干法搅拌
Dry mixing



干法辊压
Dry calendaring

电池材料 _ Battery Materials

锂电池材料生产整体解决方案
Battery Material Production Turnkey Solution

MESNAC 浙江翰控 MESNAC 浙江翰控 MESNAC 浙江翰控 MESNAC 浙江翰控

智能物流
Intelligent Logistics
System

筛分除铁系统
Sieving Iron Removal
System

自动包装系统
Auto-Packing System

MESNAC 浙江翰控 MESNAC 浙江翰控 MESNAC 浙江翰控 MESNAC 浙江翰控

原料配料混合系统
Raw Material Batching & Mixing System

湿法/干法研磨系统
Wet/Dry Grinding System

气力输送系统
Pneumatic Conveying System

窑炉烧结装置
Kiln Sintering Device

粉碎系统
Disperse System

混合包覆系统
Mixing System

MESNAC 浙江翰控 MESNAC 浙江翰控 MESNAC 浙江翰控 MESNAC 浙江翰控

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新能源领域累计创造产能超1000GWh

Cumulative Production Capacity in the New Energy Field: Over 1000GWh



深度合作C公司&A公司，成为C公司指定合作商，配套约550GWh产能

Deep cooperation with client-C & client-A. Designated supplier of client-C, 550GWh + delivered



2014年-2023年提供原料处理系统套数

Raw material processing systems to client-C from 2013 to 2022



Since 2013, MESNAC has been providing client-C with raw material processing system services, with sales increasing year after year

自2013年开始，持续稳定得为C客户提供原料处理系统服务，销量呈现连年增长趋势

锂电行业头部客户覆盖率达到100%，与重大客户 建立战略合作关系，成为锂电行业知名供应商

100% coverage of top companies in the lithium battery industry; Establish strategic partnerships with major clients and become a well-known supplier in the lithium battery industry



为客户提供柔性智能的
整体解决方案
Flexible and intelligent
turnkey solutions



自研产品得到
客户验证使用
Self-developed products
recognized by clients



满足10万级洁净厂房防
爆等特殊要求
100K Clean Workshop
explosion-proof

Client-S, Client-H, Client-A



Client-T, Client-Z, Client-R



德国C公司项目——Company C Germany Project

撬块案例——Modular Assembly Case



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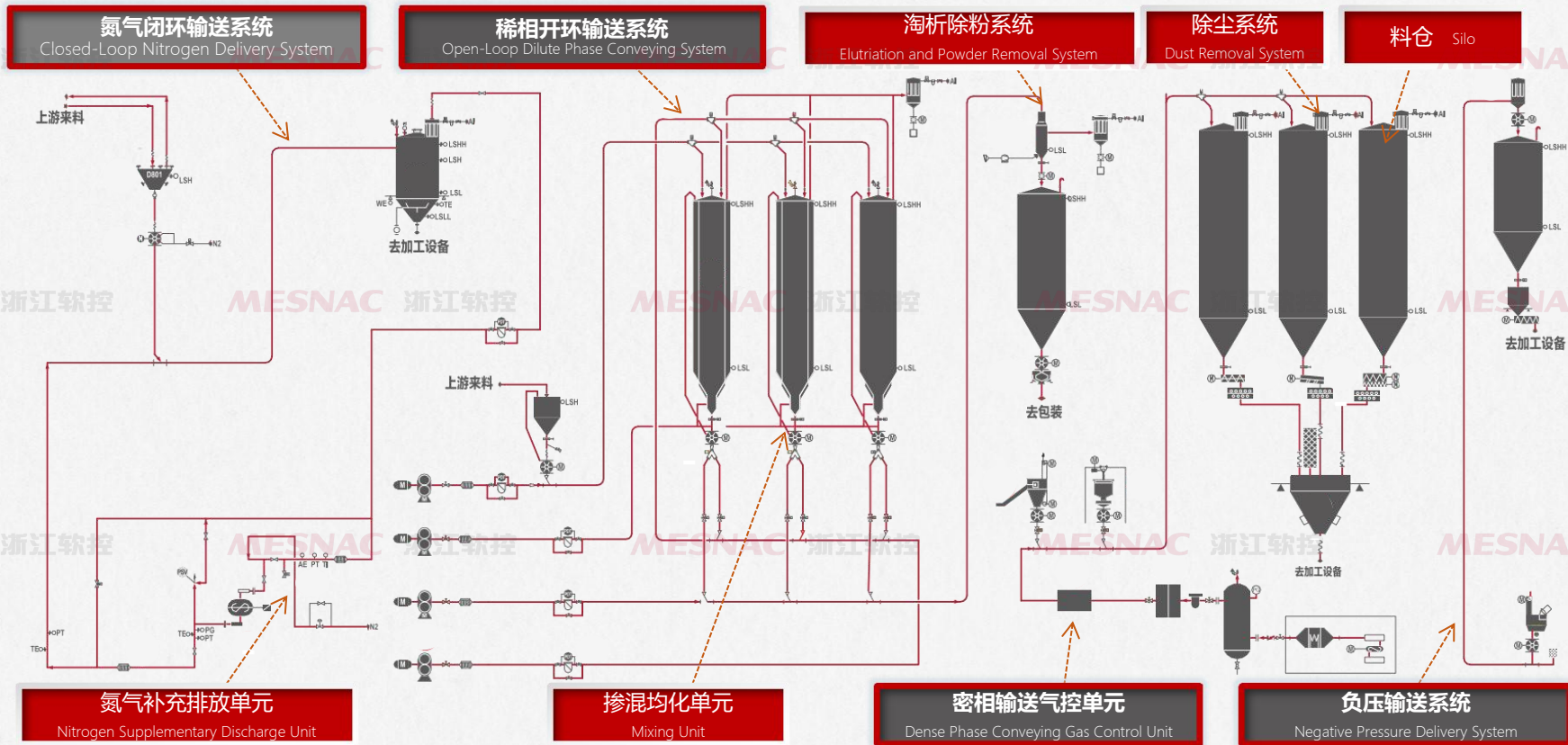
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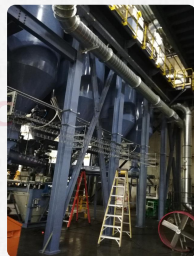
USA Project 1



USA Project 3



USA Project 2



USA Project 4



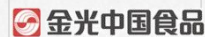
食药行业物料处理系统整体解决方案

MESNAC 浙江软控

Turnkey Solution for Material Handling System of Food and Pharmaceuticals Industry



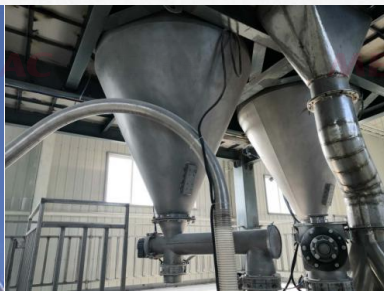
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MESNAC 浙江软控



打造柔性智能的物料处理整体解决方案

FLEXIBLE & INTELLIGENT TURNKEY SOLUTIONS FOR MATERIAL HANDLING