整厂规划设计
智能水电气系统

Intelligent Water Electricity and Gas System

起步于注塑工厂的综合解决方案
专注于成型领域整厂一体化系统提供商

Comprehensive solutions starting from injection molding factories
Focused on providing integrated systems for the entire factory in the field of molding

- 根据生产要求进行工艺流程化组织，建立合理的生产流程规划，收集基础设计进行综合考虑布局。
  Organize the process flow according to production requirements, establish a reasonable production process plan, collect basic designs for comprehensive consideration and layout.
- 准确计算基础装备的实际能源消耗量，进行合理的能源配置，精确能源节点设置。
  Accurately calculate the actual energy consumption of basic equipment, make reasonable energy allocation, and accurately set energy nodes.
- 生产车间基础装备，整体规划设计，建造，集成之后，为智能产线的直接落地提供了坚实的基础。
  The basic equipment of the production workshop, overall planning and design, construction, and integration provide a solid foundation for the direct implementation of intelligent production lines.

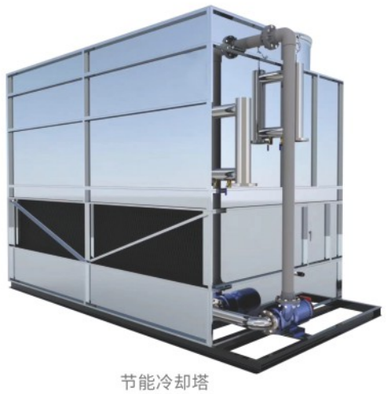
成型行业是快速发展的行业，提升效率、降低整体运行成本是当前各公司所迫切希望的目标；一个良好的车间规划是实现这个目标的基础，整厂规划设计包含工业水系统、物料输送系统、电力系统、自动化系统和生产现场数字化系统；一个整体性的解决方案能够有效实现低成本高效率。

The molding industry is a rapidly developing industry, and improving efficiency and reducing overall operating costs are the urgent goals that companies currently hope for; A good workshop planning is the foundation for achieving this goal, and the overall plant planning and design include industrial water system, material conveying system, power system, automation system, and production site digital system; A comprehensive solution can effectively achieve low cost and high efficiency.

与世界同步的工业水系统
Keep Pace With the World

我们只有一个目标：
更节能！ 更高效！

Our only goal is to be
More energy-efficient! More efficient!



节能冷却塔
Energy saving cooling tower



袋式过滤器
Bag filter



立式水泵
Vertical water pump

整厂规划设计
Whole Factory
Planning & Design

工业水系统
Industrial
Water System

物料输送系统
Material
Conveying System

智能塑辅机械
Intelligent Plastic
Auxiliary Machine



多介质过滤器
Multi media filter

基于数字化、智能化的未来工厂综合能源管理模式，利用传感器、物联网和大数据分析等技术，实时监测和控制工厂的能源消耗情况。通过收集和分析大量的能源数据，工厂管理者可以更好地了解能源使用情况，包括能源消耗量、能源浪费和低效的环节等。基于这些数据，管理者可以识别出存在的问题，并采取相应的措施进行优化，以提高能源利用效率和降低能源成本，帮助工厂实现可持续发展，同时也对环境保护起到积极的作用。

Based on digitalization and intelligence, the future factory comprehensive energy management model utilizes technologies such as sensors, the Internet of Things, and big data analysis to monitor and control the energy consumption of the factory in real time. By collecting and analyzing a large amount of energy data, factory managers can better understand energy usage, including energy consumption, energy waste, and inefficient processes. Based on this data, managers can identify existing problems and take corresponding measures for optimization to improve energy efficiency and reduce energy costs, helping factories achieve sustainable development while also playing a positive role in environmental protection.

中央供料系统

Central Feeding System

● 特点 Features

- 实现原料区和成型区科学化分离。
- 实现原料、粉尘、设备科学化分区管理。
- 原料集中管理，避免原料浪费及污染。
- 空出成型机周边的黄金位置，为自动化产线让位。
- 可实现原料和原料使用和生产的数字化管理。

- Realize scientific separation between raw material area and molding area.
- Realize scientific zoning management of raw materials, dust, and equipment.
- Centralized management of raw materials to a void waste and pollution.
- Free up the golden position around the molding machine to make way for automated production lines.
- Digital management of raw materials, their usage, and production can be achieved.

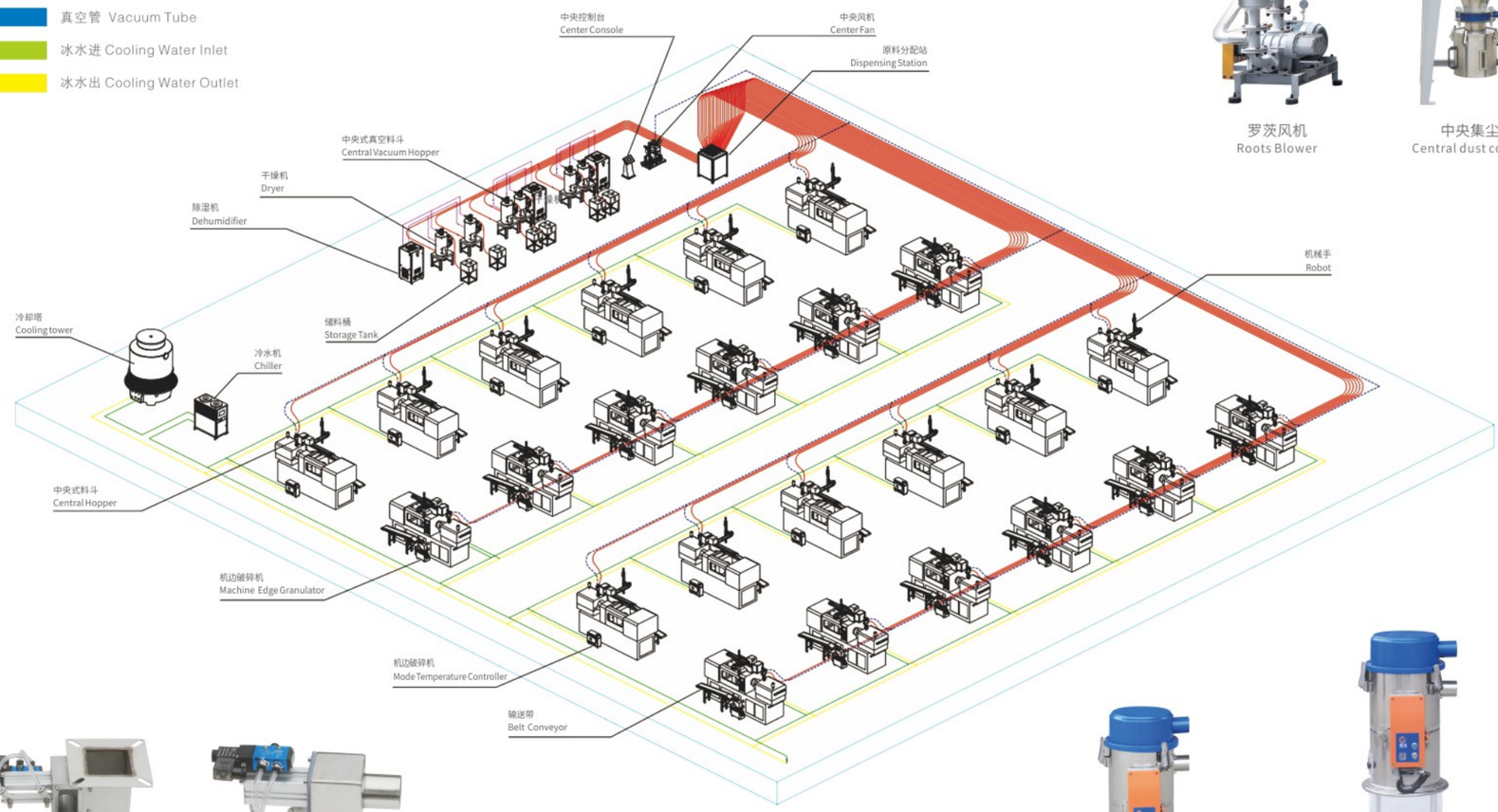
自动化、高效、节能、环保
智能物料输送系统

Automation, efficiency, energy saving, and environmental protection
Intelligent material conveying system

主系统	子系统	系列设备
中央控制系统 HMI+PLC	原料输送系统	负压风机、截风阀、截料阀、储料桶、集尘器管阀接头、三通弯管、管路、分配站
	除湿干燥系统	干燥机、除湿机
	模具温控系统	模温机、冷水机、模具除露机
	混色配比系统	体积式计量机、称重式计量机、混色机
	破碎回收系统	机边破碎机、比例阀

Main System	Brand System	Related Equipments
Central Control System HMI+PLC	Material Conveying	Negative Pressure Fan, Air Cut-Off Valve, Material Cut-Off Valve, Storage Bin, Dust Collector, Pipe Valve Joints, Three-Way Bends, Pipelines, Distribution Stations
	Dehumidifying & Drying	Drying Machine, Dehumidifier
	Mold Temperature Controlling	Mold Temperature Machine, Chiller, Dew Collector
	Automatic Mixing Ratio	Color Masterbatch , Weighing Machine, Mixing Machine
	Crushing & Recycling	Machine Edge Crusher, Proportional Valve

原料管 Material Tube
真空管 Vacuum Tube
冰水进 Cooling Water Inlet
冰水出 Cooling Water Outlet




截料阀
Cut off valve

膜片阀
Diaphragm valve

中央供料系统是为橡塑成型行业的橡塑产品生产而设计的，系统在运行中可根据需要变换原料品种、多颜色材料的组合使用方式，实现混和配比工序的自动化。系统能够以全自动方式利用粉碎机实现回料再利用，通过设置中央控制台进行一对多点的远距离输送控制，实现对原料的24小时连续供料作业，降低劳动强度，提高生产效率。

中央供料系统可实现可输送材料：塑料颗粒原料、塑料回收颗粒料、塑料破碎颗粒料、弹性体颗粒原料、无粘性干燥粉体、助剂材料颗粒、色母颗粒……

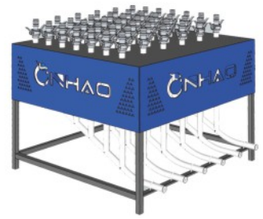
The central feeding system is designed for the production of rubber products in the rubber molding industry. The system can change the variety of raw materials and the combination of multi-color materials as needed during operation, achieving automation of the mixing and proportioning process. The system can use the crusher in a fully automatic manner to achieve material recycling and reuse. By setting up a central control console for one to multiple remote conveying controls, it can achieve 24-hour continuous feeding of raw materials, reduce labor intensity, and improve production efficiency.
The central feeding system can transport materials such as plastic particle raw materials, plastic recycled particle materials, plastic crushed particle materials, elastic particle raw materials, non sticky dry powders, auxiliary material particles, masterbatch particles……


罗茨风机
Roots Blower


中央集尘器
Central dust collector



中央控制柜
Central control cabinet


原料分配站
Raw material distribution station

中央式磁簧料斗
Central magnetic spring hopper

中央式电眼料斗
Central type electric eye hopper


中央不锈钢料仓
Central stainless steel silo