

P 2

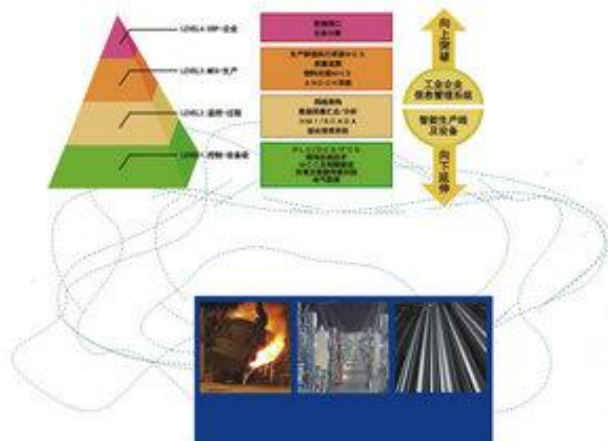
业务范围 Business scope

为钢铁企业提供专业自动化、信息化及流程控制产品、方案及工程服务。

Provide professional engineering services for steel plant enterprises in automation, information, power transformation/distribution system products, solutions and engineering services.

根据您的要求我们，我们会为您提供最合适的、最经济、最快捷的解决方案。

Tell us your requirements, we will customize the most appropriate, most economical, most efficient solution for you!



P 3

工艺设计 Process design

DAMF
DAMP AUTOMATION TECHNOLOGY



JCOE 直缝埋弧焊管生产工艺流程 Process flow of JCOE LSAW



螺旋埋弧焊管生产工艺流程 Process flow of SSAW



P 4

基础自动化 Basic automation

DAMF
DAMP AUTOMATION TECHNOLOGY



主要目标：通过采用先进的控制、控制及通讯技术，最大程度地实现生产的自动化。

- 降低能耗
- 减少操作人数
- 提高生产效率
- 降低能源消耗
- 增强生产安全性

主要内容：主要涉及原料控制、成型、焊接、冷却、定尺、检验等各个环节的自动化控制。系统采用先进的控制、控制及通讯技术，实现生产的自动化。

主要内容：主要涉及原料控制、成型、焊接、冷却、定尺、检验等各个环节的自动化控制。系统采用先进的控制、控制及通讯技术，实现生产的自动化。

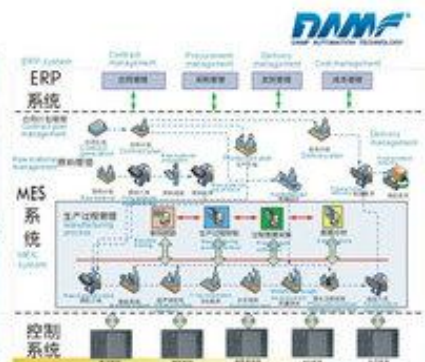
- Automatic control of steel pipe
- Reduce operators
- Increase production efficiency
- Reduce energy consumption
- Increase production safety

Main contents: mainly involved in raw steel plate brought online and automatic transport, automatic control of Volar, automatic control of transporting car (detour moving/ welding/ ultrasonic flux), intelligent frame system, data exchange and image with stand-alone devices, equipment monitoring, SCADA system, and workshop communication network to achieve, etc.

P 5

P 6

生产信息化 Production informationization

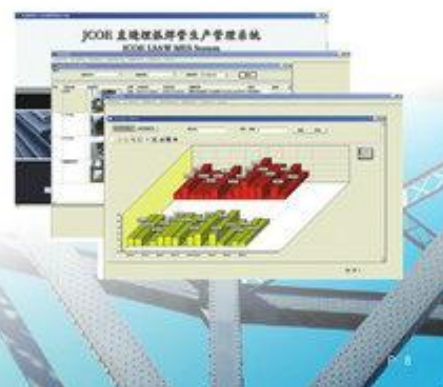


主要目标: 通过应用先进的技术手段, 逐步实现生产制造全流程的信息化管理。

主要内容: 主要涉及销售管理、原料采购、原料及成品库(包括发货)、生产制造过程、工艺设计、质量设计及管理、数据统计分析、设备维护及备件等内容。提供专业数据集成应用、数据厚度测量及钢板铁边加工数据测量产品。

Main objective: to use updated technologies to gradually realize information management in full manufacturing process.

Main contents: mainly involved in sales of steel pipe, purchase of raw materials, raw materials and final products stores (including delivery), manufacturing process, process design, quality design and management, data statistics and analysis, information storage and inquiry, etc. The products include professional devices for steel pipe width and position measurement, steel plate thickness measurement, and steel plate edge groove milling data measurement.



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变配电 Power transformation and distribution



主要目标: 通过优化设计实现可靠供电, 安全供电和节约用电。

主要内容: 根据主变及用电设备, 确定分变和公用工程设备的用电需求, 提供外部电源的供电方式和进线方式, 按照中压分变和进线电压进行车间变配电柜和进线柜的选型, 进行生产用电变配电柜和进线柜的选型。

- 变配电方式选择和详细设计, 高压一次接线, 二次继电保护设计和设备选型, 高压一次、二次接线设计和设备选型;
- 交流短路计算和选型;
- 变配电柜及进线柜设计, 变配电柜设备选型及进线柜设计;
- 变配电柜系统设计和设备选型;
- 变配电柜及进线柜的选型, 设计设备选型, 根据生产用电设备中大容量用电设备, 电力电子设备的特点, 设计采用动态无功补偿装置或滤波装置的方式进行电源动态补偿和电压校正;
- 生产用电变配电计算选型和系统设计。

Main objective: to use optimized design to realize power supply in reliability, safety and economy.

Main contents: based on power demands for main equipment, auxiliary equipment and others, in combination with power supply mode and incoming line mode of the external power source, and in the principle integrating centralized and distributed modes, realize classified power supply involving workshop power substation power distribution and field power distribution and set up substation of the production workshop and power distribution system site field.

- Selection of wiring mode and detailed design, HV primary wiring, secondary relay protection design and equipment model selection, LV primary and secondary wiring designs and equipment model selection;
- Capacity calculation and model selection of transformer;
- Plate and elevation designs of substation, electric equipment foundation and cable trench designs of substation;
- Field power distribution system designs and equipment model selection;

- Centralized dynamic reactive power compensation calculation, design and equipment model selection based on characteristic that a large quantity of converter devices are used in electric equipment for production line, such frequency converters and electric semiconductor welding machine, etc. Power factor compensation and correction of the power supply may be done in reactive power compensation mode or active power filter mode;
- Calculation, model selection and wiring design for power distribution of the production line.

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