

Essential Guidelines for Production Line Equipment Planning

Dear Client:

Thank you for your trust and support.

THANK YOU FOR TRUSTING AND SUPPORTING OUR ENGINEERING TEAM



To meet your manufacturing needs, building a production line is a systematic project that involves knowledge across many areas.

To meet your manufacturing needs,
building a **PRODUCTION LINE** is a
SYSTEMATIC PROJECT that involves
knowledge across many areas



We place great emphasis on your production line matching with factory workshop efficiently, stably, and long-term.



In the early stage of the project, we need you to provide the following information:

1. Specifications and photos of the products you intend to manufacture or assemble;
2. Daily output (based on an 8-hour shift per day);
3. Dimensions and photos of your production workshop, including the workshop CAD layout drawing and aisle locations;
4. Product structure drawings and assembly process flow (if your product is standardized, such as motorcycles or passenger cars, the process information may be omitted);
5. Basic information about workshop utilities, including power supply (as voltage and frequency standards vary by country and region) and compressed air.

Question: Why do we need to provide this information?

Answer: Because this information is extremely important. We use it to plan a rational layout of your production line within the workshop, optimize internal logistics flow, and ensure that subsequent production is more efficient.

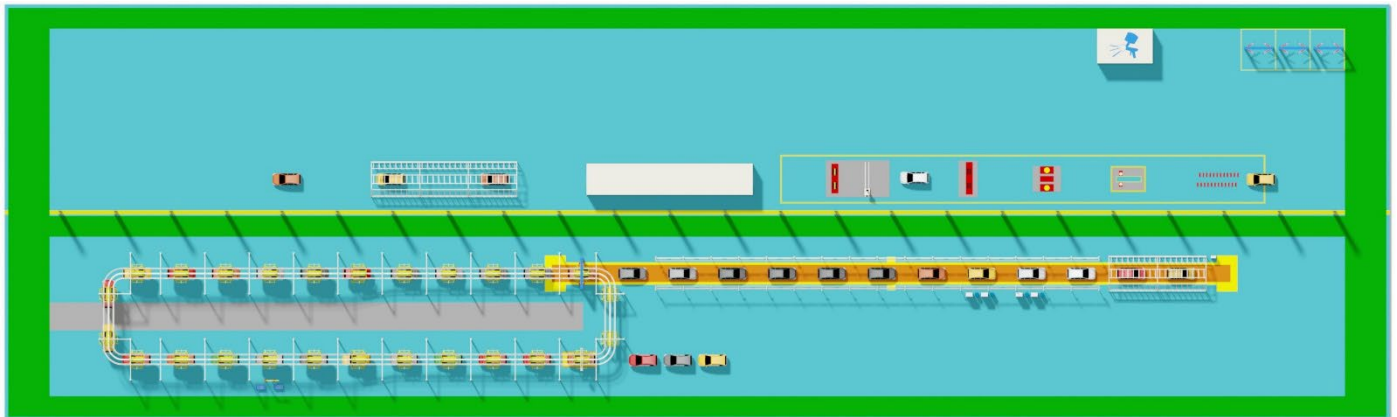
What are the components of a production line system?

1. **Overall logistics logic:** process and operation logic, and the logistics flow of components and finished products within the workshop;
2. **Equipment units:** conveyors, general auxiliary mechanisms, and dedicated/special-purpose equipment;
3. **Electrical control:** control cabinets, layout of power and signal cables for the production line, layout of compressed air piping and interfaces;
4. **Software:** equipment control software, status monitoring software, data acquisition and system integration software, and information management software;
5. **Standard auxiliary support:** air compressors, electric tools, pneumatic tools, manual tools, and standard maintenance tools.

Note: We can supply either partial equipment sets or a complete production line system, depending on your actual requirements.

We will provide a 3D layout planning solution and explanatory documentation based on the dimensions of your production workshop:

Our engineering team possesses professional capabilities in production-line planning and design, all built on continuous hands-on experience and a long-standing commitment to advanced manufacturing concepts.



(Demo)

We are committed to using internationally renowned brands of electrical components for your equipment:

1. Siemens PLCs and touch panels;
2. Siemens and Schneider low-voltage electrical components;
3. SICK and Omron sensors;
4. SEW geared motors;

5. Siemens servo motors;
6. FANUC robots;
7. Other key components from well-known brands selected according to equipment functions.

Regarding equipment quotation:

We will provide a detailed quotation sheet prepared in Excel or Word based on the solution design.

Regarding equipment manufacturing lead time and installation & commissioning

Equipment manufacturing lead time: We operate our own manufacturing facility, ensuring highly competitive production schedules and guaranteed machining quality.

Installation and commissioning: We provide installation and commissioning services in most regions worldwide, excluding war zones.

Operation training: We provide systematic training on operation, maintenance, and repair services tailored to each type of equipment.

So let's start customizing your dedicated production-line equipment with the product details, workshop dimensions, and production requirements you provide.

Thank You!