

Message from the president

“Stage with 5 and 10 years ahead”

The trend of the times is progressing rapidly.

Recently, I was surprised at the communication of LTE and 4G mobile phones, but the next generation of communication methods has already appeared. In a society where next-generation communication has developed, people and things are connected to the Internet, and server services will be more diversified. We are always imagining the "future" and want to continue to be a presence that is needed in this changing society through manufacturing that only we can do.



Futoshi Kato, President

Company Overview

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<Lines of business>

- Design, manufacturing and installation of production systems
- Design and manufacturing of various production instruction systems
- Design and manufacturing of control boards for various special-purpose machines
- Robot engineering
- Design and manufacturing of special-purpose design system and electronic equipment
- Sales of environment-related products
- Unmanned aircraft manufacturing and sales



Aerospace: Acquired quality assurance standard JISQ9100



Ecology & Technology

CORPORATE PROFILE
FUKADEN Corporation

PROCESS ENGINEERING

FUKADEN

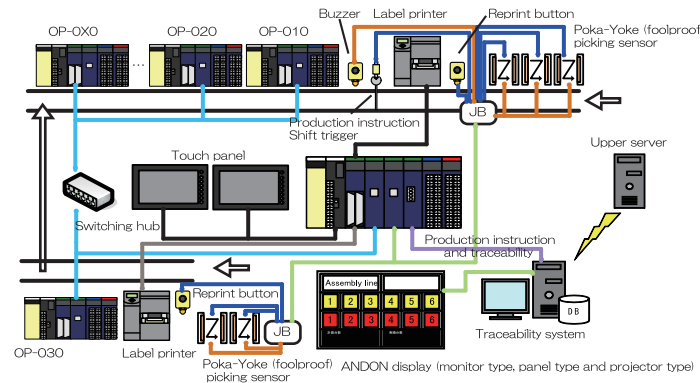
Automobile-related

From the information on the production line to the equipment, we propose the making of equipment that is easier to use from the customer's standpoint.

Production Instruction System

We provide systems that match your line configuration.

- Construction of generalized line system
- System construction linked with ANDON and traceability
- Construction of system with upstream line
- Construction of a scheme to prevent the outflow of nonconforming products
- Construction of systems incorporating IoT



Line Operation

Display System ANDON

We improve the operating rate of lines using ANDON.

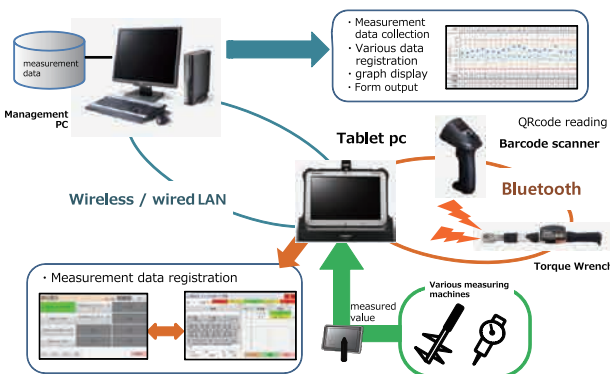
- Monitor-type ANDON
- Panel-type ANDON
- Projector-type ANDON

IoT predictive preventive management system

Utilizing the Internet of Things

We suggest sign management.

- Analytical optimization of equipment maintenance timing
- Construction of history management system
- Investigation and improvement of cause of equipment failure



Traceability (the quality) management system

I'll propose various traceability (the quality) management.

- Construction of manufacturing record management system
- Data import from each device / equipment (trend management system)
- Construction of device / shipment history management system
- Construction of defective product leakage prevention system
- Construction of quality control system (tablet type)
- Label printer for quality control
- Trend management system



Gravity casting line



Additional axis: 7-axis specification

Robot application equipment

Optimal for each process in each line We will propose a robot.

- Automatic pouring machine for aluminum casting
- Heavy pressure casting machine
- Setup of various material handling robots
- Aluminum ingot feeder
- <Handling base robot example>
- FANUC robot
- Yasukawa Robot
- NACHI robot
- Denso Robot

Sequence control

We propose a system that meets your needs.

- <Case>
- Sequence control of various assembly devices (general-purpose control system)
 - H / V related inspection equipment
 - Aluminum casting related, etc.
 - Lift radio call system
 - Jig verification system
 - Setup management system
 - Label printer for quality control

Product manufacturing

We propose from mass production to design.

- Electronic board design and manufacturing
- Design and manufacture of various communication cables and harnesses
- Manufacture of interlock box (in-house product)



Interlock box

Aerospace related business

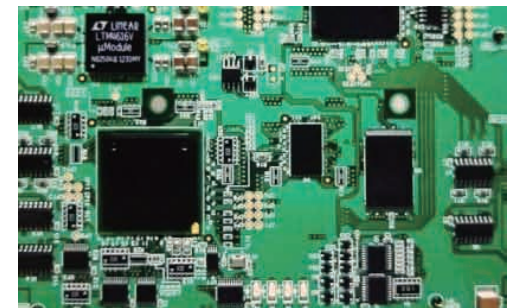
Obtained JISQ9100 certification. We design and develop high quality products that support the aerospace industry.

Various electronic circuit boards

In high-speed digital circuits such as CPU boards, Impedance control of transmission line, We propose EMC countermeasures.

<Development examples>

- CPU board (TI DSP, Renesas SH series, ARM, etc.)
- Standard bus IF board (VME bus, PCI bus, USB, etc.)



Aerospace electronics

From hardware to software, in the aerospace field,

We propose highly reliable electronic equipment.

<Development examples>

- Flight control device for unmanned aerial vehicles
- Various equipment for government offices

Unmanned aircraft development and sales

Developed industrial unmanned aerial vehicles and power supplies.

Surveying, building inspection, height inspection, aerial photography, etc.

We propose products that meet various needs.

- Development of industrial unmanned aerial vehicles
- Development of flight control equipment
- Development of wired power supply (power supply)



A power supply unit that supplies power to unmanned aerial vehicles from the ground using special wires



Unmanned aerial vehicle FD-04P#



Flight controller FCM+

Software Development

We offer total proposals from embedded software for microcomputers to windows applications.

Environmental testing

Various for quality assurance We propose environmental tests.

<Test equipment>

- constant temperature water bath
- Various measuring instruments
- Waterproof and drip-proof test

Environmental energy business

Contributing to the global environment and society.

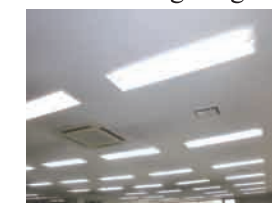
We propose new products and subsidy information in real time.

Sales of energy-saving equipment

Energy saving and energy creation I will propose.

- Industrial / Home use Sales of solar power generation systems
- Sales and construction of energy-saving equipment
- LED lighting sales

LED lighting



Solar power



Solar power generation / energy-saving equipment for home use



↑Installed Fukaden Energy Photovoltaic Power Generation (1MW) in Owase City, Mie Prefecture