



HAN MY VIET

AUTOMATION CO., LTD

Non-stop development - Continuous improvement

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HAN MY VIET AUTOMATION CO., LTD



Han Viet store: June 1995
Open a company: May 2003
Field: Providing pneumatic equipment and electrical equipment applications in the field of Automation
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MISSION

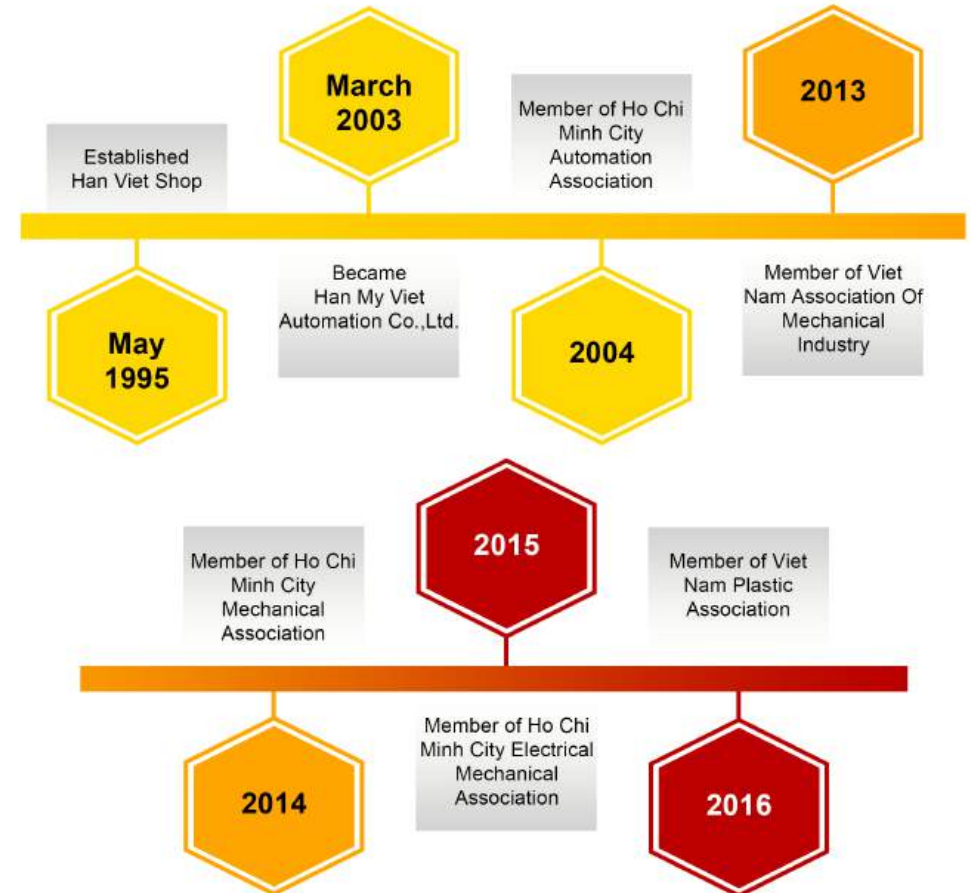
Han My Viet Automation Technology Co., Ltd. always prioritizes providing products with high quality and reasonable cost, with the desire to help the Vietnamese Industrial market increasingly access modern technology

VISION

Become a trusted provider of solutions and equipment in the field of automation in Viet Nam



SOME IMPORTANT MILESTONE IN THE DEVELOPMENT



DISTRIBUTION SYSTEM



HAN MY VIET AUTOMATION COMPANY LIMITED - HA NOI BRANCH

HAN MY VIET AUTOMATION
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Hợp Khang
Factory Automation

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HAN MY VIET AUTOMATION COMPANY LIMITED
29 Years Importing & Distributing Automation Equipment

HAN MY VIET AUTOMATION
Since 1995

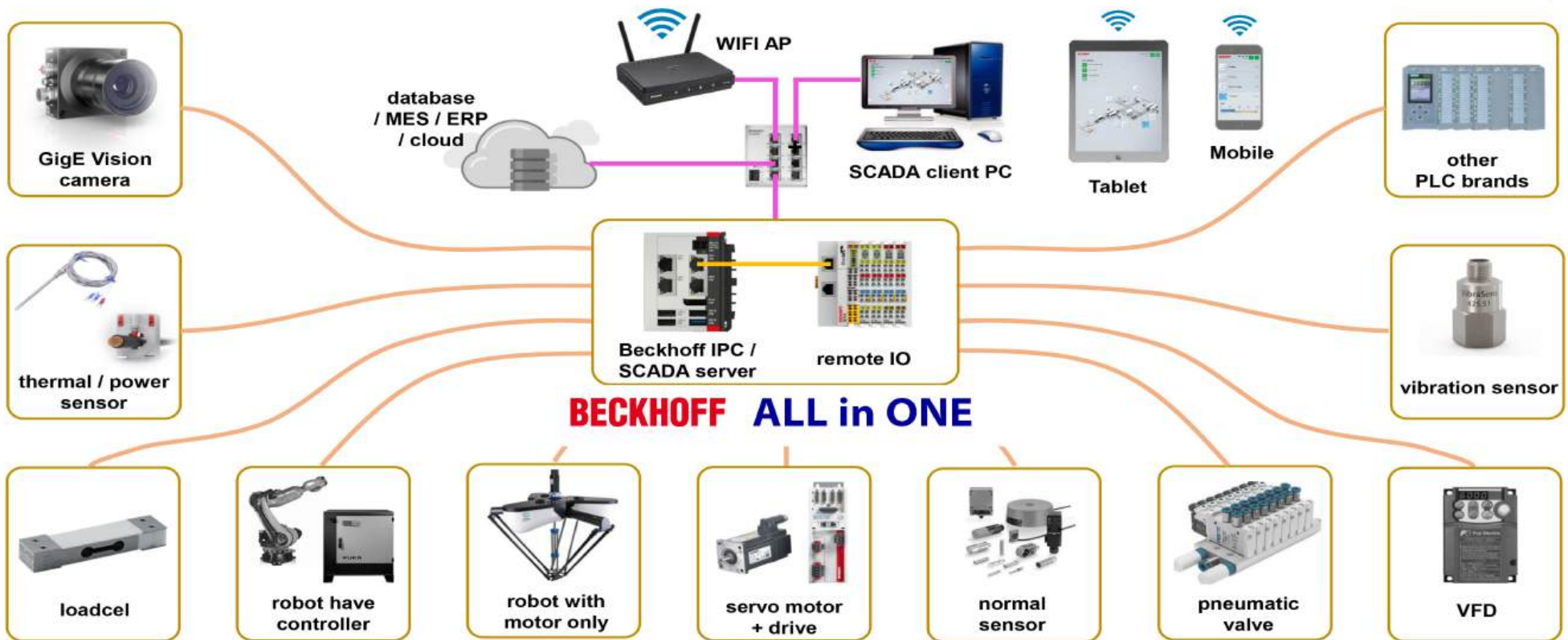
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SOLUTIONS, TECHNICAL SERVICES

AUTOMATIC, DIGITAL CONTROL

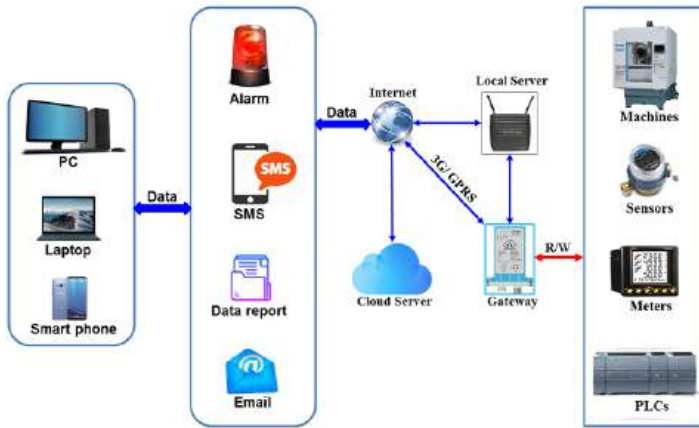


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IoT SOLUTIONS & APPLICATIONS

Solution model for IoT applications in industry



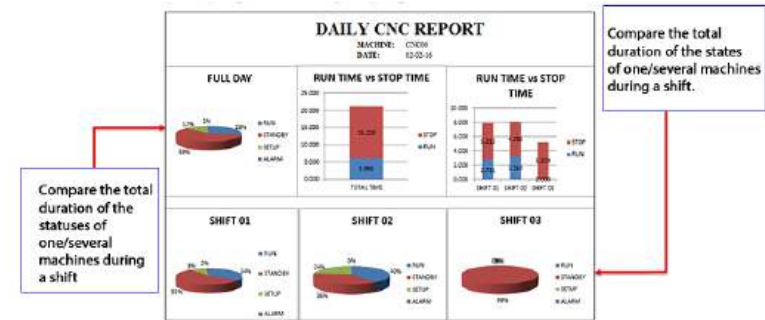
Why should IoT be applied?

- Improves the efficiency of machinery usage.
- Manages energy consumption effectively.
- Automates reporting as required.
- Increases data accuracy and reduces labor costs.
- Monitors in real-time.
- Ensures preventive maintenance.

Sensors can be placed in critical areas such as temperature control centers, main switches, vibration sensors, etc.

Data can be analyzed and displayed in real-time, enhancing the ability to respond immediately when abnormalities start to minimize downtime.

➤ Typical report sample



Report CNC machine activity chart



Report workshop energy consumption

iSAPi ENVIRONMENT:

Solution for monitoring temperature, humidity, CO₂, and light

➔ The importance of solutions to monitor temperature, humidity, CO₂, and light:

- The environment directly affects business
- Optimize operations, reduce production costs
- Prevent waste by detecting and correcting errors promptly
- Ensure safety for workers and production environment

➔ **Object:**

- The factory has the following characteristics:
- High costs of electricity, water, and environmental treatment
- Operating near residential areas, using many high-capacity machines (several tens of kW or more)
- Continuous lighting, greenhouse, and large-scale irrigation systems operate automatically according to factors such as temperature, humidity, pressure, light, and CO₂ (natural, artificial)
- Heat treatment machinery emits large amounts of heat such as boilers, chillers, and provides water temperature
- Automatic breeding system, incubator, processing and freezing



Multifunction display/counter/measuring unit

➔ **Advantage:**

- Monitor and analyze temperature, humidity, light, and CO₂ data in real time with cycles up to every m s.
- Monitoring is performed by recording parameters through sensors and measuring devices.
- Monitor an unlimited number of devices.
- Remote monitoring via internet on smartphone, tablet...
- Be sure to store data when connection is lost or to improve the device/system
- Partial implementation and easy expansion at optimal cost
- Flexible to meet different conditions



➔ **Products with features suitable for the solution:**



Temperature and humidity controller

iSAPi ENERGY

Electricity - Compressed Air - Gas - Water – Steam Monitoring Solution

➔ Importance of Electricity - Compressed Air - Gas - Water – Steam Monitoring Solution:

- Energy is one of the important factors of production and business activities.
- Helping optimize the production process and reduce operating costs.
- Protecting the environment by reducing energy consumption.
- Detecting and resolving system issues to prevent waste.
- Ensuring safety for workers and the production process.

➔ Applicable objects:

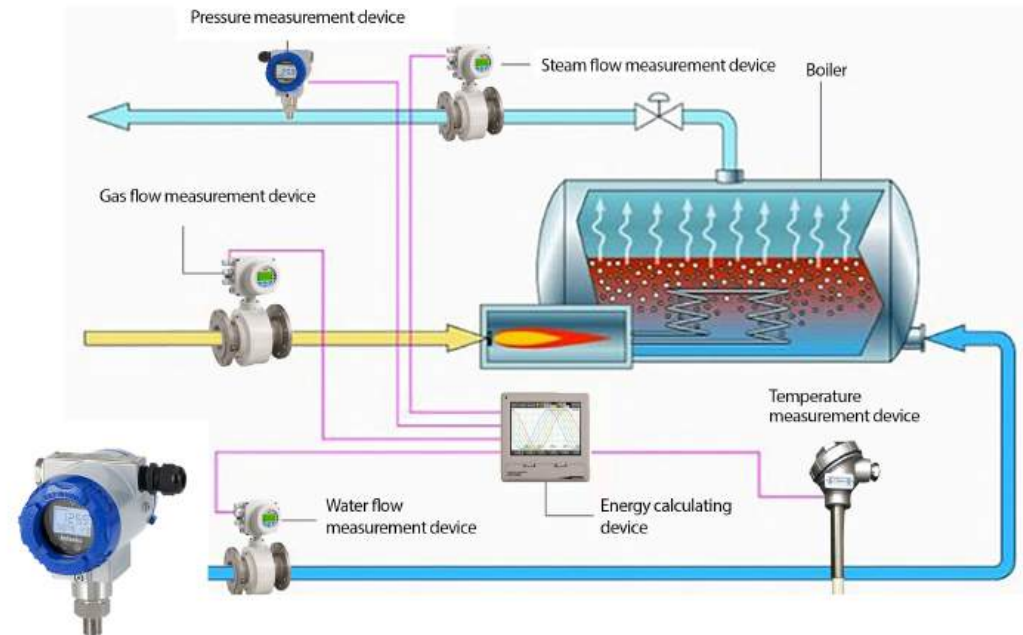
Most industries such as:

- Heavy industries (Chemicals, Oil and Gas, Paper, Steel, Cement...)
- Export industries (Textiles, Mechanical Processing, Fisheries, Footwear...)
- Factories with complex machinery systems, heat treatment equipment, high-power machines...



➔ Advantages:

- Monitoring energy sources such as electricity, gas, compressed air, water, and steam through flow rate, temperature, pressure, power, current, and voltage.
- Real-time energy monitoring and data statistics with cycles as short as milliseconds.
- Can be implemented in stages and easily expanded with optimized costs.
- Long-term data storage in case of loss of connection.
- Flexibly meet various conditions.
- Can be integrated with existing control systems.



iSAPi CONTINUOUS THICKNESS MEASUREMENT

Continuous Accurate Thickness Measurement Solution

➔ Importance of continuous accurate thickness measurement solution:

- Accurate thickness measurement is an important step in production.
- Optimizing the production process, reducing operating costs, and minimizing errors on automated lines.
- Detecting and fixing problems, preventing waste and saving costs.
- Ensuring absolute standard of product quality.

➔ Applicable objects:

Most industries such as:

- Processing industries (Rubber, Steel, Panel, Paper, Gypsum, Glass...)
- Export industries (Textiles, Wood and wood products, Iron and steel, Vehicles & auto parts...)



➔ Advantages:

- Real-time monitoring with a cycle of 2m/s.
- Measuring product thickness by using sensors, accurately determining each position.
- Creating and generating automatic reports for dimensional control and error detection.
- Automatically alerts when there is an abnormality or the thickness exceeds regulations.
- Can be implemented in stages and easily expanded with optimized costs.
- Ensuring long-term data storage in case of connection loss.
- Flexibly meet various conditions.
- Can be integrated with existing control systems.
- Remote monitoring via internet on smartphones, tablets.



Example of Steel Plate Manufacturing Industry

4.0 MAINTENANCE

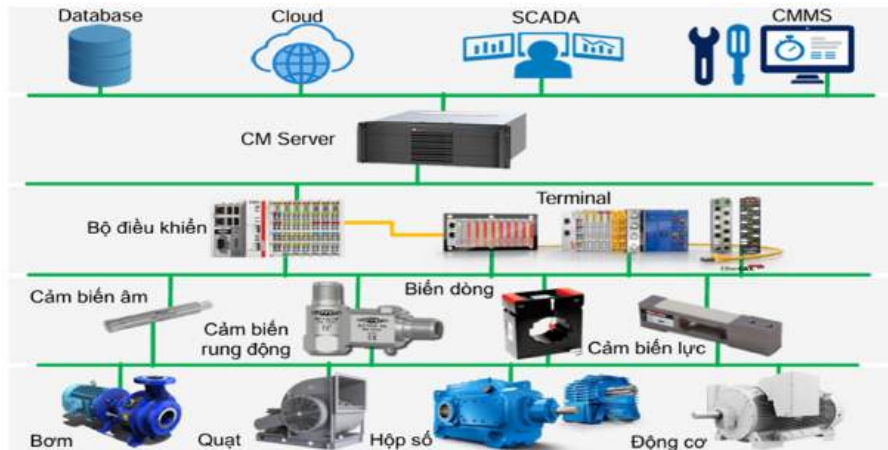
Predictive Maintenance – Online Machine Monitoring

➔ Solution Features:

- Monitor machine conditions, detect early failures, optimize maintenance, and minimize machine downtime.
- PC Control technology with powerful hardware and optimized software.
- Collecting parameters: vibration, current, temperature, pressure, torque.
- Overall data and frequency spectrum are stored continuously on any server.
- Connect, monitor, and control with various software systems: CMMS, MES, SCADA, PLC.

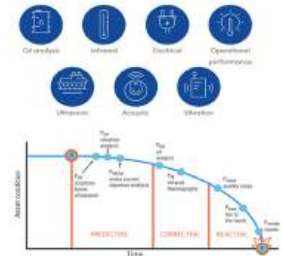
➔ Predictive Maintenance System Architecture:

- Improve machine reliability through continuous monitoring and timely intervention.
- Enhance the ability to predict and react to problems, helping to maintain continuous operation.



➔ Advantages:

- Reducing maintenance time and costs.
- Increasing machine life.
- Increasing uptime and performance of machinery.
- Enhance productivity and production quality.
- Minimize machine downtime.

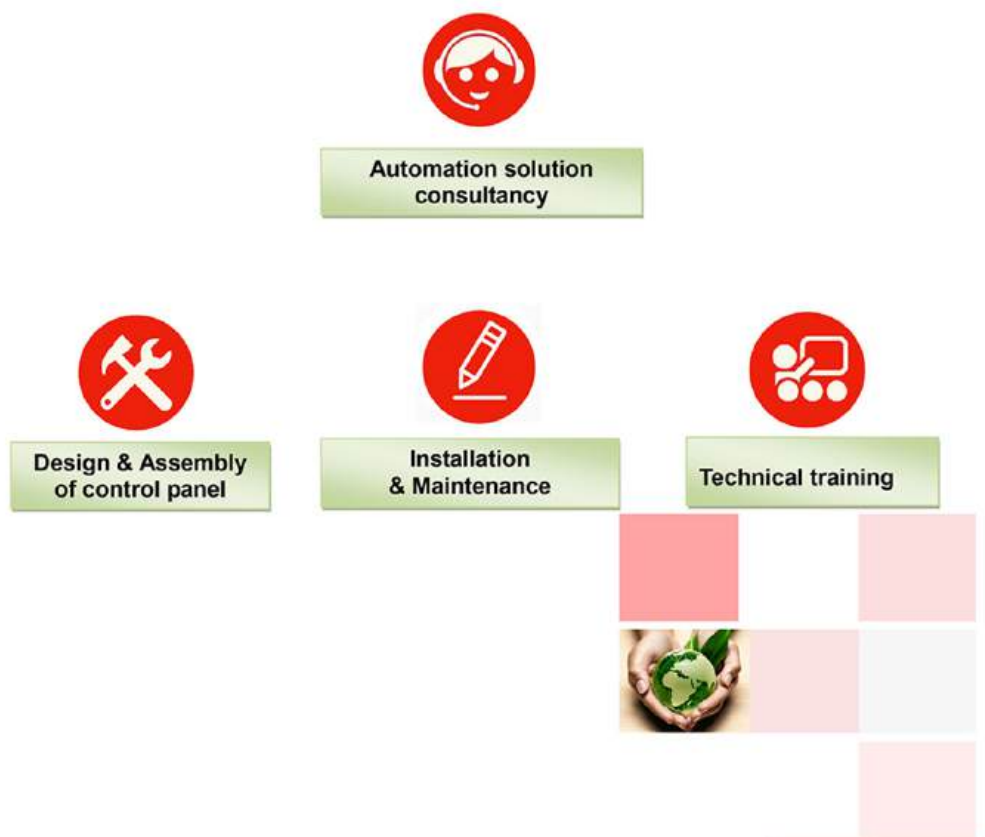


➔ Actual system architecture:

- Real-time automatic data collection.
- Historical data storage for measured parameters.
- Display real-time and historical measurement parameters.
- Warning when there are signs of damage.
- Automatically suggest possible future damage.
- Allow automatic report generation.
- Connect with other devices or systems such as Database, PLC, MES, CMMS, Cloud.
- Automatically send alerts via email and text message to responsible people.



TECHNICAL SERVICE



Installation & Maintenance:

- Survey - Consult the fastest solution to solve the problem ◊ reduce down-time.
- Consult compatible replacement devices - integrate extended features.
- Install & check to make sure that system operation is stable.



Apply LS inverter to tension solution



Carimax SaiGon Factory

PRODUCT



HAN YOUNG NUX

Counter / Timer



LC Series



T21 Series

The temperature controller



AX Series



VX Series



Limit Switch



Push Button



Proximity sensor



Photoelectric sensor



Rotary encoder



Terminal Block



Buzzer



Power Supply



Signal Light

Autonics



Sensor

Safety Device



The temperature controller



TK series



TH4M series

Counter



Timer



Rotary encoder



Voltage stabilizer power supply



5 phase stepper motor





Electrical equipment



Servo



PLC



Contactors & Overload Relays

Circuit Breaker



MCB
Miniature Circuit Breakers



Metasol
MCCB/ELCB
Molded Case Circuit Breakers
Earth Leakage Circuit Breakers

LS ELECTRIC | Inverter





MOLDED CASE CIRCUIT BREAKER (MCCB)

NXM Series
Number of poles: 2P, 3P, 4P
Rated current: 10A~1600A



Modular contactor
NCH8 Series



Contactor NXC Series



NXR Series Thermal Relay

MINIATURE CIRCUIT BREAKER (MCB) & ACCESSORIES



Switches, dimmers, sockets - G New7 Series



Switch - push button - indicator light



Limit Switch



Voltage protection relay



24/7 Time switch



Timer



Ampere/ Volt digital meter
and multi-functional meter



kWh meter



Isolation transformer
NDK Series



Electrical equipment



XA2 Series switches - push buttons



GXU Series HMI screen



PLC Modicon M100, M200, ...



ABL2 Series power supply



Easy Altivar 310



Easy Altivar 610



Tower lights - warning lights XVG Series

Soft starter



Altistart 01



Altistart 22



Altistart 48

Switchgear



MCCB - EZC Series



Contactor LC1D Series



MCB - A9D Series

CONOTECH



The temperature controller DSFOX-X10 & DSFOX-XD20

- Application:
- Control freezer temperature,
 - Temperature control in the egg incubator,...



FOX-2003 temperature controller

Application: temperature control of freezers and refrigerators



Humidity controller FOX-1H



Temperature display unit FOX-PM5000



Multi-function meter



DM2 Series

PID temperature control



CNT-P400/P410



CNT-P700

Counter/Timer



FOX-CMT7



Greenhouse's Temperature, humidity, CO₂ & light controller FOX-83TC



Rain sensor CNT-WJ24

Close/open the canopy when it rains

HITACHI

LH1 Series



SJ-P1 Series



SH1 Series



Inverter



PsH100 Series

Application



Fan



Pump



WJ200 / WJ200N Series

Application



Crane



Conveyor



Temperature Sensor

Wire type Temperature probe



Onion type Temperature probe



switch - push button indicator light



Relay



Power Supply



Relay

Huba Control

Pressure sensor



520 Series



604 Series



528 Series



699 Series



Inverter

C200 Series



S100 Series



Application



Conveyor



Filling



Fan



Flow Switches
HF Series



Pressure Switches
HS Series



Gas, oil, water valves
HPS & HPW Series



Gas valve
HDG-EX series



Gas filter
HGF series



Pneumatic Actuator Valves



Agricultural irrigation valves



Level Switch

JB-SD Series



JC7-SD



JC7-SL



JC7-ST



JC7-SH



JRS-S



JRS-D



JF-32



JF-302T



JD-100 Series



Silencer

AS Series



Air filter



Cylinder



GDC Series

Solenoid valve



PHS Series



Sang-A

GPC Series

GPL Series

GPUC Series

GPUL Series

Steam Pipe / Air Pipe

2-end Throttle valve
GNSF Series

GPUT Series



YPC

5/2 Valve base 1/8 thread & 1/4 thread

5-way 2-position valve & 5-way 3-position valve

3-way 2-position valve

HPC



Cylinder



AXE & AXB Series
size 20, size 25, size 32, size 40



AM Series
size 40, size 50, size 63, size 80

Fitting & Steam Pipe



Fitting - SQ Series



Air duct

Air filter



Solenoid valve



RDS Series



Gas, oil, water valves
DW Series



Hot steam valve
DWS Series



Valve base DMS3 & DMS5 Series

TOSHIBA IE3 표준

고효율 - 에너지 절약 전동기



풋 장착형

플랜지 장착형

플랜지 + 풋 장착형



TUNG LEE

감속 전동기



수직 내장형 축 감속 전동기



풋 장착형 전동기



플랜지 장착형 전동기

SGP

전동기



풋 장착형



플랜지 장착형



플랜지 + 풋 장착형

Some annual community activities

Organize annual teambuilding programs for employees, to create a useful playground and strengthen the spirit of solidarity within the company.

Participate in organizing seminars to share in-depth knowledge about technology with student at Hutech University of Technology.

Participate in sponsoring career guidance programs for Polytechnic University students.



Hanyoung Company coordinated with Han My Viet Company to organize the Workshop "Temperature control solutions on Hanyoung Nux platform".

Every year, Han My Viet awards scholarships to students with good academic achievements at Cao Thang Technical College.

Participate in competitions for students of Cao Thang Technical College.



Mr. Smith Park - CEO of Conotec brand coordinated with Han My Viet company to sponsor the "fun LED light" contest that took place at Cao Thang College.

About us:

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