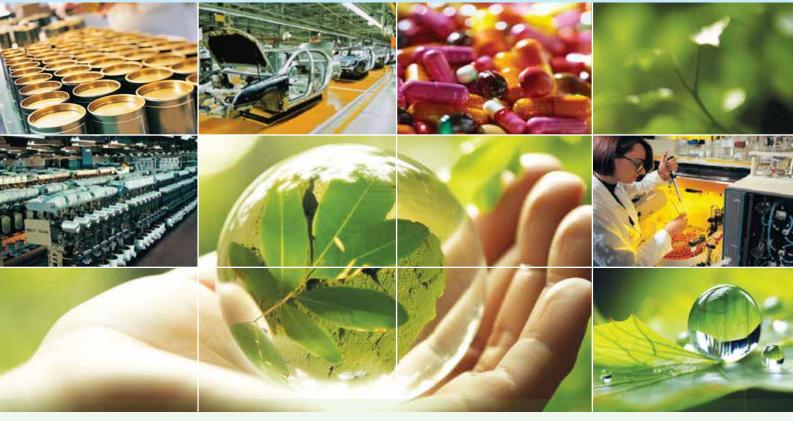


PRODUCT OVERVIEW



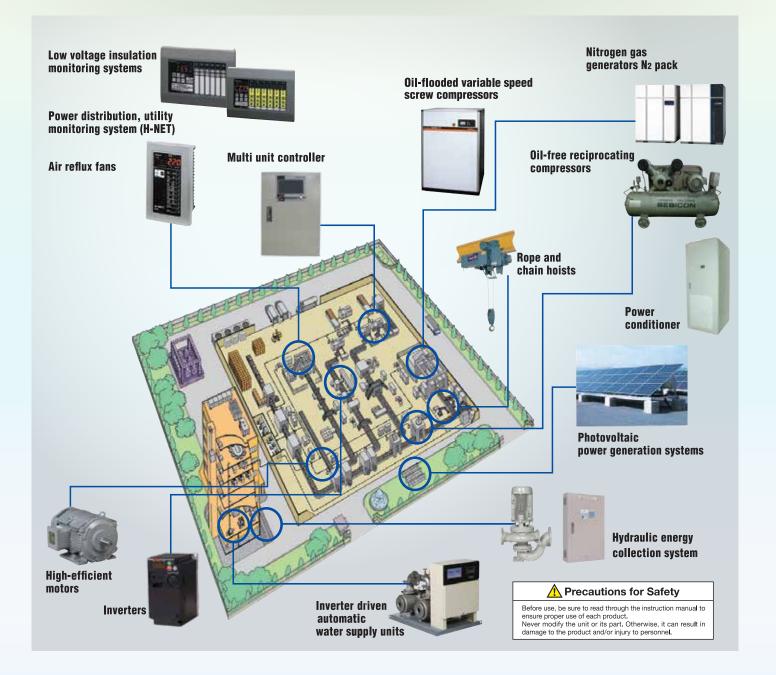




The Industrial Components and Equipment Group (ICE), Hitachi Asia Ltd., provides the best possible solutions for a wide range of industrial products and services. ICE has a team of experts in product development, engineering, sales, and after-service who work together to create tailored solutions for each customer's needs.

ICE's product portfolio includes air compressors, ink jet printers, inverters, induction motors, switches, transformers, hoists, and various energy-saving equipment. ICE serves a wide range of customers in Southeast Asia, South Asia, and the Middle East.

SYSTEM SOLUTIONS





Coding and Marking Solution



- Up to 6 lines printing
- Safe-Clean Station
- Self-Guided Troubleshooting
- Modern Industrial Protocols
 - (Gain ODVA approval for Ethenet/IJF
- Wide array of ink types
- UX Series InkJet Printer
 - Various models that meet a variety of printing needs
 - Easy, Convenient, Resource Saving
 - Up to 6 lines printing
 - Cartridge-type Ink
 - Low Makeup consumption

UX-P160W (Pigment Model)

- Reduced Makeup consumption
- Multiple line printing: 6-line printing is now available
- Ethernet is a standard feature
- Factory air is not required for stirrer drive
- Electric stirrer improves the ink dispersion stability



NEW



- UX-D860W (Twin Nozzle)
- Flexible 8-Line Print
- Versatile 64-Dot Print
- High speed printing by innovative Twin nozzle
- System Enhancement

UX-H140W (1 or 2 line High-Speed applications)

- 1 or 2-line high-speed applications, for example cables industries.
- Maximum print speed is about 650 m/minute* with 5x5 font
- Improved print quality by developing new print control method
- New white pigment ink which has high adhesion to cables is supported
- Meter count function which is to print meters or to output signal* at every meter set to IJP

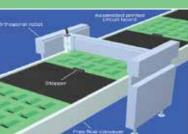


LM Series Laser Marker

- CO² based Vector Laser
- Ideally suited for coding on various packaging substrates.
- Efficient cooling air stream ensures a high level of reliability
- Low electrical energy consumption and precise, clear coding even at small font sizes

Vision System

- Vision system instantaneously checks date and serial numbers for error
- Reliable: Reliable print verification with years of solid performance
- Simple: Constantly striving for user friendly configuration and operation
- Versatile: Functions helping to achieve total marking solution





Roll-paper automatic marking





1

Film package print inspection







HCSS Features:

- · Remote printer message editing
- Remote printer and vision system status monitoring and operation
- Managing multiple printers and vision system from a single location remotely
- Dashboard with trend graph
- Role & permission management
- Customer data source integration for print automation
- OPC-UA server function* *Available for printer only

Major Functions

Print Design

Dashboard

Message Designer

Operational Management

Printer Management

User Management









Reciprocating (BEBICON) & Scroll Compressors

Oil-flooded Type

BEBICON



Oil-Flooded Reciprocating Compressor Output : 0.75 ~ 15kW Discharge Pressure : 0.93 ~ 1.37MPa Air Capacity : 80 -1,650 Litres/min Control Type : Pressure switch/Unloader High Pressure : 3.7 ~ 7.5kW Discharge Pressure : 1.37MPa Air Capacity : 400 ~ 760 Litres/min Control Type : Pressure switch

Electronic Type Package **BEBICON M-Type**



(with or without air dryer) Electronic Type Power Range : 1.5 ~ 11kW Maximum Pressure : 0.93MPa Capacity : 165 ~ 1,200L/min

Package BEBICON



(with or without air dryer) Pressure-Switch Type Power Range : 0.75kW Maximum Pressure : 0.93MPa Capacity : 80L/min

Oil Free Type

Super Oil Free BEBICON LE-series



Pressure-Switch Type Power Range : 0.4kW Maximum Pressure : 0.8MPa Capacity: 42L/min

Oil Free BEBICON (Package)



Oilfree Package Bebicon 0.75kW (with or without air dryer) Pressure-switch type Power: 0.75kW Maximum pressure : 0.78 - 0.93 MPa Capacity : 75 L/min



Oil Free BEBICON

Oil-Free Reciprocating Compressor Output : 0.75 ~ 11kW Discharge Pressure : 0.83 ~ 0.93MPa Air Capacity : 75~ 1,285 Litres/min Control Type : Pressure switch/Unloader

Electronic Type Package Oil Free BEBICON M-Type



(with or without air dryer) Electronic Type Power Range : 1.5 ~ 5.5kW Maximum pressure : 0.78 ~ 0.93MPa Capacity: 165 ~ 605L/min Power Range : 7.5 ~ 11kW Maximum pressure : 0.70 ~ 0.85MPa Capacity : 875 ~ 1,280L/min

(Oil Free)



Oil-Free Booster Compressor Output : 1.5 ~ 11kW Discharge Pressure : 1.0 ~ 1.37MPa Air Capacity : 600 ~ 4,250 Litres/min Control Type : Pressure switch

Electronic Type Package Oil Free BEBICON V-type



(with air dryer) Inverter Type Power Range : 5.5 ~ 15kW Discharge Pressure: 0.58 ~ 0.86 (5.5kW) 0.58~0.78 (7.5~15kW) Capacity : 630 ~ 1,770L/min

NOTE: The output of compressed air is the amount of air discharged under the maximum pressure converted in terms of air suction (under the atmospheric pressure).

Oil Free Scroll

Low Noise, Low Vibration



(with or without air dryer) Pressure-Switch Type/Multi-Drive Power Range : 1.5 ~ 15kW 1.5kW (0.85MPa, 160L/min) 2.2kW ~ 5.5kW (0.85MPa, 240 ~ 600L/min) (1.0MPa, 200 ~ 500L/min 2.2kW & 5.5kW only) 7.5kW ~ 15kW (0.80MPa, 880 ~ 1,890L/min) (1.0MPa, 700 ~ 1,500L/min)

22kW / 33kW



Oilfree Scroll Compressor (22kW/33kW) (without air dryer) Pressure-switch type / Multi-Drive Power: 22kW/33kW Maximum pressure : 0.8MPa (1.0MPa) Capacity : 2,520 ~ 3,780L/min (0.8MPa) 2,000 ~ 3,000L/min (1.0MPa)

Nitrogen Gas Generator N₂ Pack

NEXTII Series (PSA Type)



Power Range : 2.2 ~ 22kW Nitrogen Purity : 99%/99.9%/99.99% Discharge Pressure : 0.5 ~ 0.55MPa Capacity: 3.0 ~ 68m3/h

NOTE: The capacity is taken at the ambient temperature of 20 degree C and ambient humidity of 60% and without clogs on the suction filter. This capacity is converted in terms of air suction conditions (under the atmospheric pressure).

Oil-Flooded Type – HISCREW NEXTI series



Single Stage Output : 7.5 ~ 160kW Discharge Pressure : 0.7 ~ 0.85MPa 1.0MPa (for 22 ~ 160kW) Air Capacity: 1.05 ~ 29.5 m3/min Air-cooled / Water-cooled model Inverter / Fixed Speed Model Built-in Dryer / without dryer model Color Touch Screen Panel / Non-Touch Screen Panel

Oil-Flooded Type (OSP) HISCREW NX2 Series



2-Stage Output : 90 ~ 250kW Discharge Pressure : 0.7 ~ 1.0MPa Air Capacity : 18.7 ~ 53.5 m³/min Air-cooled / Water-cooled model New LED Color Touch Screen Panel

Oil Free Type – DSP NEXT series

A Set Datayo

Single Stage Output: 15 ~ 55kW Discharge Pressure : 0.4 ~ 0.7MPa Air Capacity: 2.0 ~ 6.4 m³/min Inverter control model (22 ~ 55kW) Air-cooled / Water-cooled model Built-in dryer / without dryer model Inverter / Fixed Speed Model Color Touch Screen Panel



Output: : 22 ~ 240kW Discharge Pressure : 0.7 / 0.88 / 0.93 / 1.0MPa Air Capacity: 3.7 ~ 40.5 m³/min Air-cooled / Water-cooled model Built-in dryer / without dryer model (22 ~ 75kW) Inverter / Fixed Speed Model Inverter control model (37, 55, 75, 100, 160, 240kW)



Oil-Free Type (SDS)

Oil Free Screw (SDS-U Series)

2-Stage Output : 90 ~ 440kW Discharge Pressure : 0.7 ~ 1.0MPa Air Capacity : 16.7 ~ 81.8 m³/min Water-cooled model Color Touch Screen Panel

Oil-Free Type (SDS)

Oil Free Screw (SDS-Next2 Series)



2-Stage Output : 60 ~ 450kW Discharge Pressure : 0.25 ~ 1.03MPa Air Capacity : 28 ~ 73 m³/min Water-cooled model Color Touch Screen Panel



[■] ISO 8573-1:2010 [-:-:0]

Auxiliary Parts

HAS ICE Refrigerated Air Dryer :



HAS ICE Air Dryer HAS Series Air Processing Capacity : 0.54 ~ 74m³/min Max. Inlet Temp. into dryer : 50°C / 80°C Max. Inlet Pressure into dryer : 1.0MPa Air- cooled, Water-cooled model. Refrigerant Gas : R134A / R410A / R407C Dew Point : 3 ~ 15°C Under Pressure

HAS ICE Filters



HAS ICE Drain, Line, Mist, Carbon Filters Air Processing Capacity : $0.35 \sim 80m3/min$ (@0.69MPa) Casing Material : Aluminum Die Casting Max. Inlet Temp. into filter : $5 - 60^{\circ}C$ Max. Inlet Pressure into filter : 1.0MPaDrain filter filtration : $5\mu m$ Line filter filtration : $1\mu m$ Mist filter filtration : $0.01\mu m$ Multi-Roller G Series



Multi-Unit Controller for Hitachi Compressor To equalizing the operation hours for compressors Able to control from 1 ~ 12 units Able to perform Rotary Control, Loop Control, Turn-Back Control Color Touch Screen Panel

Use Genuine Compressor Service Parts



Maximum uptime of your equipment, at minimum total operating cost.

Cloud-based Air Compressor Monitoring Service

for OSP/DSP **NEXT** series with Touch Screen*



*This service is not applicable when LAN port of Modbus TCP is used.

Hitachi Connected Service supports stable operation of your compressors

Real-time monitoring and alerting:

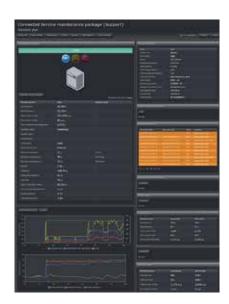
Stay ahead of potential issues with continuous monitoring, real-time updates and automated alerts **Predictive maintenance:**

Make data-driven maintenance decisions with historical data analysis, trend graphs and maintenance proposals

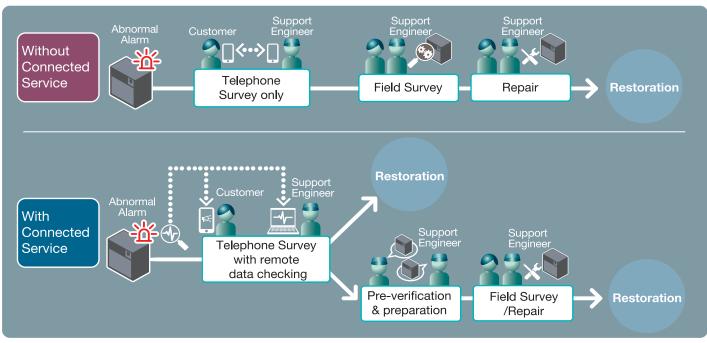
Rapid parts quoting and troubleshooting:

Streamline support requests with rapid parts quotations and expert troubleshooting guidance **Secure network environment:**

Protect your valuable data with a robust and secure network environment



Quicker restoration with remote operation data checking



Inverters



WJ-C1 (Compat High-Performance Drive) 0.1kW ~ 15kW (3 Phase 200V Class) 0.1kW ~ 2.2kW (1 Phase 200V class) 0.4kW ~ 15kW (3 Phase 400V class)



Ps-H100 HVAC Drive 132kW ~ 315kW 3 phase 400V DC reactor built-in type



LH1 (Energy Saving Drive) 5.5kW ~ 355kW (3 Phase 400V Class)



P1/SH1 (Be the Next Standard) 0.75 ~ 132kW (3-phase 400V)



NE-S1 Series 0.2 ~ 2.2kW (1-phase 200V) 0.2 ~ 2.2kW (3-phase 200V) 0.4 ~ 4kW (3-phase 400V)



SH1 (High Performance Drive) 0.75kW ~ 315kW (3 Phase 400V Class)







Control Panel Expertise for Diverse Applications







We provide a comprehensive range of control panels tailored to the specific needs of various industries, including:

- Renewable Energy Industry: Our electrical steel production control panels are designed to optimize performance and efficiency in the manufacturing of electrical steel for electric vehicles (EVs) and other renewable energy applications.
- High-end Equipment Industry: We offer precision inverter control panels and PLC control panels for a wide range of high-end equipment, including air compressors, CNC machines, and other specialized machinery.
- Water & Environment Industry: Our expertise extends to the development of control panels for desalination plants, urban water supply infrastructure, and drainage and wastewater treatment systems.











CNC Machine





Renewable energy

Electrical steel production line for EV

Air Compressor

Desalination Plant

Drainage & Wastewater treatment



Motors

Contraction of the second seco

Induction motor (IE1) TFO-K, KK 0.4~132kW 2/4/6/8 pole 200V-50/60Hz, 220V-60Hz 400V-50/60Hz, 440V-60Hz

Three-Phase Motors



High efficiency motor (IE2) TFO-HK, HKK 0.4~160kW 2/4/6 pole 200V-50/60Hz, 220V-60Hz 400V-50/60Hz, 440V-60Hz



Premium efficiency motor (IE3) TFO-LK, LKK; TFOA-LK, LKK 0.75~132kW 2/4/6 pole 200V-50/60Hz, 220V-60Hz 400V-50/60Hz, 440V-60Hz

Submersible Motors for Deep Well Pumps



Water tight insulated wire type 8 ~ 14" 30 ~ 225kW 2 pole 5.5 ~ 200kW 2 pole 600V or less

Gear Motors



CA Series Compact type gear motor TOG : $0.1 \sim 0.2$ kW TFOG : $0.3 \sim 2.2$ kW $1.3/1.6 \sim 300/360$ min⁻¹



GH Series General type gear motor TFOG-K, KK : 0.4 ~ 11kW 7.5/9 ~ 500/600min-1



Canned type

600V or less

3.7 ~ 45kW 2 pole

6"

CA Series Compact type gear motor with break TOG-K : $0.1 \sim 0.2$ kW TFOG-K : $0.4 \sim 2.2$ kW $1.3/1.6 \sim 300/360$ min-¹ (HBC type break)

Blowers



GH Series General type gear motor with break TFOG-K,KK : $0.4 \sim 11$ kW 7.5/9 $\sim 500/600$ min-¹ ($0.4 \sim 1.5$ kW FA type break)



type(G Series)



VB-70WS-G2 \sim VB-022-G2 100V, single-phase, 50/60Hz 200V, three-phase, 50/60Hz 400V, three-phase, 50/60Hz

Maximum air capacity : 0.45/0.5 4.5/5.5 (m³/min) Maximum static pressure : 4.0/5.4 \sim 19.6/23.5 (kPa)

Products in this catalogue are not available in some regions. Ask each sales office for the detail.

Vortex Blower

Air capacity type (E, E2, EN Series)



VB-001S-E2 ~ VB-110-E3 100V, single-phase, 50/60Hz 200V, three-phase, 50/60Hz, 400V, three-phase, 50/60Hz Maximum air capacity : 0.65/0.75 ~ 16/18.5 (m^{3/}min) Maximum static pressure : 4.6/6.225.5/29.4(kPa) 4.6/6.2 ~ 25.5/29.4 (kPa) DN Series



VB-004DN ~ VB-020DN VB-030EN ~ VB-040EN 100V, single-phase, 50/60Hz 200V, three-phase, 50/60Hz 400V, three-phase, 50/60Hz Maximum air capacity : $1.4/1.8 \sim 6.7/8.0 \text{ (m}^{3/}\text{min)}$ Maximum static pressure : $11.1/12.7 \sim 21.1/20.1 \text{ (kPa)}$

Programmable Logic Controllers





EH-150/EHV EHV-CPU128/64/32/16 Processing speed:20ns I/O points : Max.4,224 Program Memory : Max.128k steps Comment Memory : Max.1Mbyte Integrated Ethernet/Serial/USB communication ports 7 Segment LED error display



HX (PLC based PAC systems for IoT applications) Processing speed: 1.0ns I/O points: 4224 Support data logging using SD memory Support information communication Ethernet (TCP/IP), IP communication, web support etc



MICRO-EHV I/0 line ups : 40/64 points Program Memory : 16 ksteps Processing Speed: $0.3 \ \mu s$ Built-in Communications Port: USB Port (for programmng) Serial Port (RS232C), USB memory port, Ethernet

Transformers

Amorphous Core Transformers

Molded Transformer



Single phases 50 ~ 500kVA Three phases 75 ~ 1,000kVA (Primary voltage 6kV)

Soy Bean Oil Transformer



Single phases 10 \sim 500kVA Three phases 20 \sim 3,000kVA Primary voltage 6kV

Oil Transformer



Single phases 10 ~ 500kVA Three phases 20 ~ 3,000kVA (Primary voltage 6kV)

Oil Immersed Transformers



Single phases 10 \sim 500kVA Three phases 20 \sim 3,000kVA (Primary voltage 6kV)

Molded Transformers



Single phases 10 ~ 500kVA Three phases 20 ~ 3,000kVA (Primary voltage 6kV)



Switches and Breakers

H Series & HS Series Non reversible type : 9A to 800A frames Reversible type : 9A to 800A frames



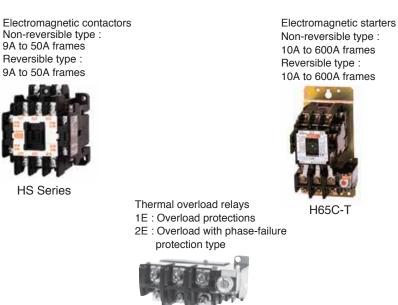
H Series



Contactor relays

Χ4

Magnetic Starters and Contactors



TR80B-1E TR80B-2E

SX600

Non-reversible type : 10A to 600A frames Reversible type : 10A to 600A frames



F Series (Standard) 30A to 4000A frames





FXK250-S

FXK125-S



S-30E

SXK225



Molded Case Circuit Breakers

S Series (Economical)

医眼镜

30A to 800A frames

L Series (High interrupting capacity) 50A to 800A frames

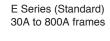
L-100E





L-50E

L-400E







EB-50E EXK225

EX400B

Earth Leakage Relays

Standard five types Small two types



R Series (High interrupting capacity) 50A to 1200A frames



RX100



RXK225-S

RX600B

Air Circuit Breakers

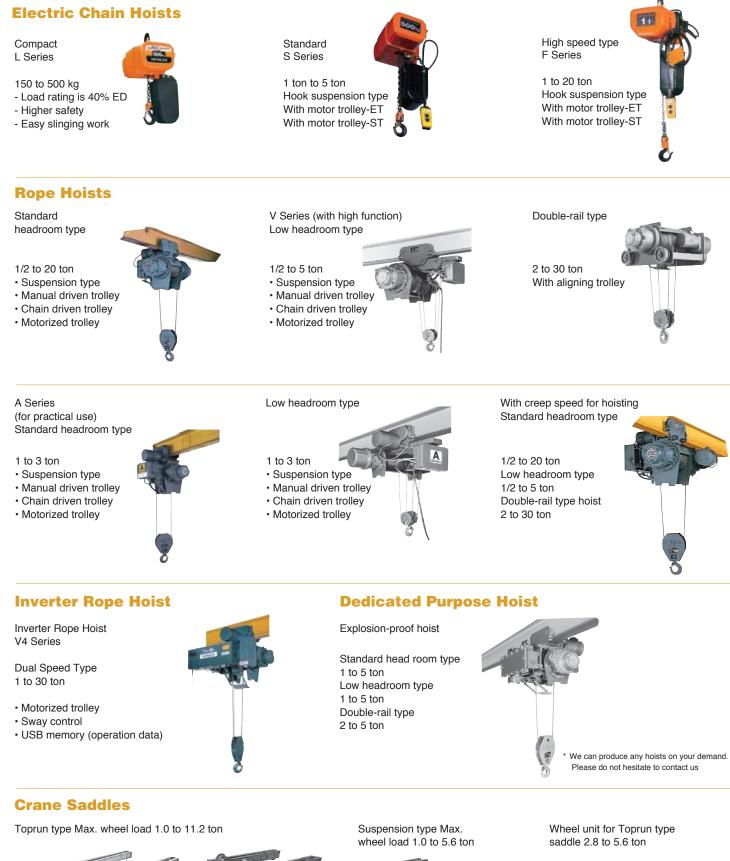
630A to 6300A frames 65KA to 120KA

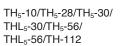


AKS-20D

Electric Chain Hoists & Rope Hoists







The second

TL₅-10/TL₅-28



 $SL_5-10/SL_6-28/SL_5-30/SL_5-56$



TLU₅-28/TLU₅-56



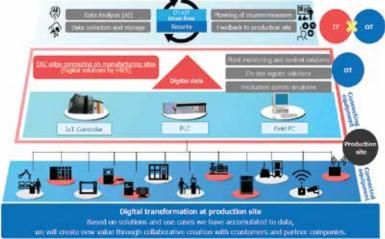
IoT & Cloud Solutions

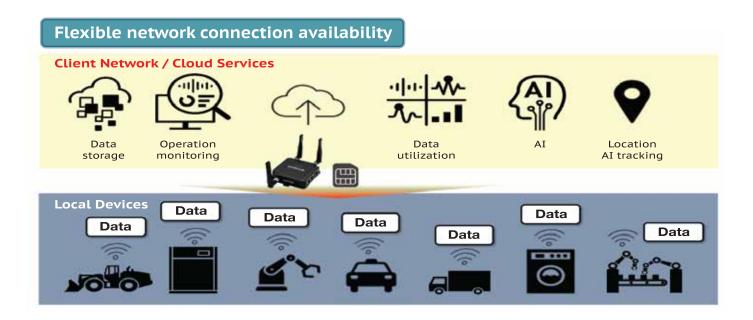


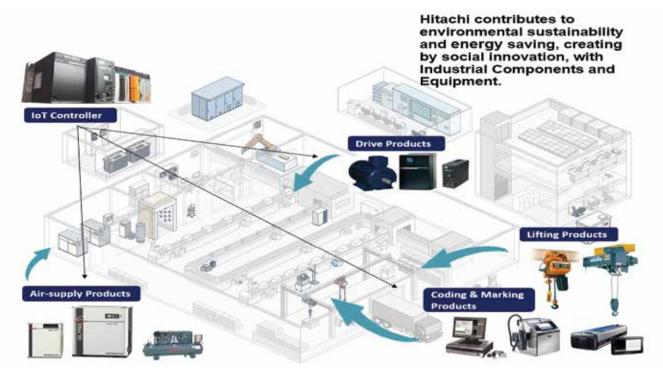
 Industrial IoT router which designed for factory machines to be connected to Internet.

- Cloud data upload/download, Safe network peer-to-peer connections.









Manufacturing Plants

18 mm



Marking System & Hoist Division

1-1, Higashitaga-cho 1 - chome, Hitachi-shi Ibaraki-ken, 316-8502 JAPAN

Main Products Ink Jet Printer, Wire Rope Hoist, Electric Chain Hoist

Global Parts Center

1116, Ozono, Ayase-shi Kanagawa-ken, 252-1121 JAPAN

Main Products Service Parts



UT TT

Narashino Division

1-1, Higashinarashino 7 - chome Narashino-shi, Chiba-ken, 275-8611 JAPAN



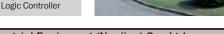
Main Products Motor, Pump, Inverter, AC Servo Motor, DCBL, Blower, Fan

Nakajo Division

46-1, Tomioka, Tainai-shi, Nigata-ken, 959-2608 JAPAN

Main Products

Transformer, Magnetic Starter and Contactor, Thermal Overload Relay, Molded Case Circuit Breaker, Earth Leakage Relay, Power Distribution & Utility Monitoring System, Programmable Logic Controller



Hitachi Industrial Equipment (Nanjing) Co., Ltd.

No. 219 Tongtian Road, Jiangning Science Park, Nanjing 211100, China

Inverter, DCBL Controller



Hitachi Industrial Technology (Thailand), Ltd.

610 Moo 9, Kabinburi-Korat Rd. (K.M. 12) T.Nongki, A.Kabinburi, Prachinburi 25110 THAILAND

Main Products

Motor, Blower, Earth Leakage Relay, Magnetic Contactor, Thermal Overload Relay, Contactor Relay, Molded Case Circuit Breaker, Water Pump



Air Compressor System Division (Sagami area)

1116, Ozono, Ayase-shi Kanagawa-ken, 252-1121 JAPAN

Main Products Small Size Air Compressor (Reciprocating, Scroll), Nitrogen Gas Generator



Air Compressor System Division (Tsuchiura area)

603, Kandatsumachi, Tsuchiura-shi, Ibaraki-ken, 300-0013 JAPAN

Main Products Large Air Compressor (Oil Free Screw)



Air Compressor System Division (Shimizu area)

390, Muramatsu, Shimizu, Shizuoka-shi, Shizuoka-ken, 424-0926 JAPAN

Main Products Air Compressor (Oil-Flooded/ Oil Free Screw)



Hitachi Global Air Power (Changshu) Co., Ltd.

No. 1200 Dongnan Road Changshu High-Tech Industrial Development Zone Jiangsu 215500, China Screw Air Compressor Reciprocating, & Scroll Compressors

Hitachi Industrial Equipment (Malaysia) Sdn. Bhd.

Lot 105814, Jalan Sungai Kapar Indah 1/KU7, Kaw Industri Hi-Tech, Sungai Kapar Indah, 42200, Kapar, Selangor Darul Ehsan Maylaysia

Main Products Reciprocating, & Scroll Compressors



Hitachi Soe Electric & Machinery Co., Ltd.

Building No. 1, Aung Chan Thar Housing Estate, East Shwegondine Road, Bahan Township, Yangon, Myammar

Main Products Transformer HITACH SOE ELECTRIC & MACHINERY CO. LTO

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Hitachi Asia (Vietnam) Co., Ltd.

Ha Noi Representative Office Room 2301, 23rd Floor, Lotte Center 54 Lieu Giai Street, Cong Vi Ward Ba Dinh District, Hanoi, Vietnam Tel: +84 (24) 3933 3123 Fax: +84 (24) 3933 3125



https://www.hitachi.asia/ice/



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