AUTOMATION

Product Lineup Catalog

2024 - 2025

NANDEE

INOVANCE

PISCO

Motion Equipment

Vacuum Equipment

Pneumatic Equipment

CRG

End of Arm Tooling

FASTECH

Fast, Accurate, Smooth Motion

Motion Control Solution

SPG   OPTEX FA

Standard and Industrial AC Motor

Sensor for Factory Automation

NITTO KOHKI   CHIYODA   VESSEL

INOVANCE

PLC , HMI & I/O MODULE

H1U series

All-in-one CPU and power supply supporting local and remote I/O. Economical and simple to use.
High-speed inputs: up to 60 kHz.
High-speed outputs: up to 100 kHz.

H3U series

High performance with motion control.
Multiple communication ports.
Three-axis electronic CAM.
High-speed inputs: up to 200 kHz.
High-speed outputs: up to 500 kHz.
Standard motion.

H5U series

High performance, compact footprint,
EtherCAT-enabled PLC.
PLC open-compliant axis control.
Simulation mode for offline debugging.
Real-time fieldbus up to 75 EtherCAT slaves.

EASY series

A complete product range from the simplest to the most complex motion control capable PLC
EtherCAT-enabled PLC, Type-C USB supported,
Easy wiring with spring clamp terminals

GL20 series

High-speed distributed I/O system,
Compact footprint, Flexible with easy installation,
wiring and replacement. Fast response times,
Conformal coating compliant with 3C3 and 3CS.

IT7000 series

High-end functionality and connectivity;
easy integration with any machine control system,
3 sizes display 7", 10" and 15", IP65 rating
for front size, built-in Ethernet and serial ports.

SERVO MOTOR & DRIVE
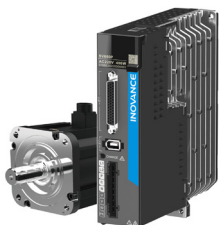
SV660P

Single-axis pulse servo drive.
Performance and flexibility in a compact footprint.
User friendly installation. Easy set-up and tuning.
CANopen and CANlink variants also available.

SV660N

Single-axis EtherCAT servo drive.
High dynamic performance with high speed EtherCAT communications. Easy set-up and tuning.
Ultra-fast 4.5 kHz current loop. Safe Torque Off - SIL3.

SV660F

Single-axis PROFINET servo drive.
High dynamic performance with PROFINET RT and IRT communications. Support PROFIdrive device profile. Safe Torque Off - SIL3

SV670P

Servo drive. Performance, enhanced functionality and flexibility. High resolution feedback encoder.
Functional safety STO SIL3, CANopen, CANlink, EtherCAT and Modbus RTU supported.

SV680P/N

Servo drive. Cutting-edge functional design.
Advanced motion control algorithms.
Implements more precise positioning with 26-bit multi-turn absolute encoder.
Support standard STO and built-in dynamic braking.

MS1

Highly dynamic motors with a wide range of brake options and motor cables. IP67 rating.
Rated power from 50W to 7.5 kW.
Rated torque from 0.16 to 48 Nm.
Low and medium inertia types.

3

AC DRIVE

MD200

Compact size drive.
Open loop V/F & sensorless vector control.
ModbusRTU and CANlink supported. Automatic torque boost and slip compensation.
0.4 to 3.7 kW applicable motor.

MD290

Open loop general purpose drive.
Variant communication options. Enhanced reliability.
Wide operating voltage Three-phase 200 to 240 & 380 to 480 Vac. 0.4 to 450 kW applicable motor.

MD520

High performance universal AC drive.
Unifed AC asynchronous, PM synchronous and synchronous reluctance motors control.
Wide operating voltage and product range.
0.4 to 450 kW

MD800

Compact AC Multi Drive.
Comprehensive functionality in a compact footprint.
Modular design (from 1 to 8 drives). Drive ratings 200W to 7.5 kW. Choice of fieldbus protocol available.

MD810

AC Multi Drives 400V.
For multi-sectional drive applications. Open and closed loop control. For induction and permanent magnet synchronous motor. Drive ratings 1.5 to 160 kW.

INDUSTRIAL ROBOT

IR 6-axis Robot

Robots featuring compact sturcture, with overall height and structural height reaching a new level in the industry, and short cycle time to adapt to a range of application scenarios.

IR SCARA Robot

Robot with enhanced load capacity and multiple arm length options, suitable for large load applications.
With harmonic drive for the fourth joint, featuring high inertia, high rigidity and repeatability.

IRC & IRTP Robot

Robot controller featuring delicate structure, abundant functions, easy installation, and easy extension to meet the market demands for compact structure, flexible and productivity boost.

CARTESIAN ROBOT

PERS series

Cartesian Robot / Standard Robot
Body Size : 60, 80, 120, 160, 200 [mm]
Max. Stroke : 1,500 [mm]
Max. Payload : 120 [kg]

PHRS series

Cartesian Robot / Standard Robot
Body Size : 30, 40, 50, 70, 90, 120, 160, 200 [mm]
Max. Stroke : 2,500 [mm]
Max. Payload : 120 [kg]

PHMS series

Monocarrier / Standard Robot
Body Size : 30, 40, 50, 60, 90, 120 [mm]
Max. Stroke : 1,200 [mm]
Max. Payload : 65 [kg]

PERC series

Cartesian Robot / Clean Robot
Body Size : 60, 80, 120, 160, 200 [mm]
Max. Stroke : 1,500 [mm]
Max. Payload : 120 [kg]

PHRC series

Cartesian Robot / Clean Robot
Body Size : 30, 40, 50, 70, 90, 120, 160 [mm]
Max. Stroke : 1,500 [mm]
Max. Payload : 70 [kg]

PHMC series

Monocarrier / Clean Robot
Body Size : 50, 60, 90, 120 [mm]
Max. Stroke : 1,200 [mm]
Max. Payload : 65 [kg]

ELECTRIC CYLINDER
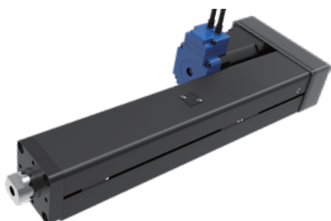
PECR series

Electric Cylinder / Standard Type
Body Size : 34, 44, 51 [mm]
Max. Stroke : 300 [mm]
Max. Payload : 45 - 390 [N]

PECS series

Electric Cylinder / High-Load Capacity
Body Size : 34, 44, 51 [mm]
Max. Stroke : 150 [mm]
Max. Payload : 45 - 245 [N]
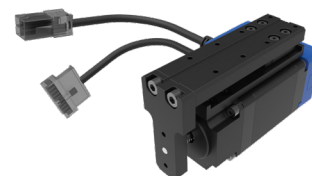
PECT series

Electric Cylinder / Compact Design
Body Size : 34, 44, 51 [mm]
Max. Stroke : 300 [mm]
Max. Payload : 15 - 810 [N]

PSB series

Electric Cylinder l Light Load Capacity
Body Size : 28, 46, 62 [mm]
Max. Stroke : 300 [mm]
Max. Payload : 3 - 60 [kgf]

PHB series

Electric Cylinder l High Load Capacity
Body Size : 62, 80, 100, 120 [mm]
Max. Stroke : 500 [mm]
Max. Payload : 85 - 1,000 [kg]

PSA series

Electric Cylinder l Table Type
Body Size : 28, 42, 56 [mm]
Max. Stroke : 100 [mm]
Max. Payload : 3 - 28 [kg]

Hi-SERVO & I/O MODULE

Hi-SERVO Pulse series

Closed Loop Stepping Motor
Pulse Train Input Controlled
Motor Frame : 20, 28, 35, 42, 56, 60 [mm]
Motor Length : S, M, L, XL
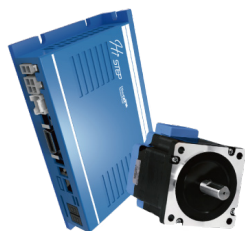
Hi-SERVO EtherCAT series

Closed Loop Stepping Motor
Network Embedded EtherCAT Communication
Motor Frame : 20, 28, 35, 42, 56, 60 [mm]
Motor Length : S, M, L, XL

Hi-SERVO Ethernet series

Closed Loop Stepping Motor
Ethernet Based Communication Controlled
Motor Frame : 20, 28, 35, 42, 56, 60 [mm]
Motor Length : S, M, L, XL

Hi-SERVO CC-Link series

Closed Loop Stepping Motor
Network Embedded CC-Link Communication
Motor Frame : 20, 28, 35, 42, 56, 60 [mm]
Motor Length : S, M, L, XL
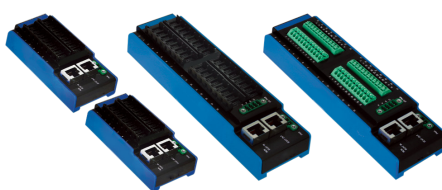
Hi-IO EtherCAT series

EtherCAT Based Digital I/O Module
EtherCAT Synchronization Modes
Number of Channels : 16, 32 CH
Type of Input / Output : NPN, PNP, Sink, Source
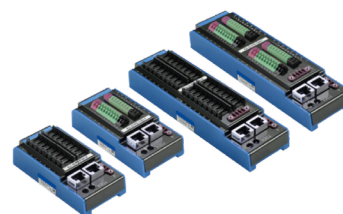
Hi-IO Ethernet series

Ethernet Based Digital I/O Module
PC Based Communication Control (C#, C++, LabVIEW)
Number of Channels : 16, 32 CH
Type of Input / Output : NPN, PNP, Sink, Source

PLARAILCHAIN
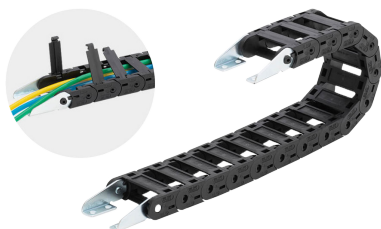
HPU series

Open-Close Flap Type
Inner Width : 14, 20, 40, 44, 58, 97, 116 [mm]
Inner Height : 9, 14, 24, 24.5, 45 [mm]
Applicable Diameter : 7, 11, 19, 36 [mm]
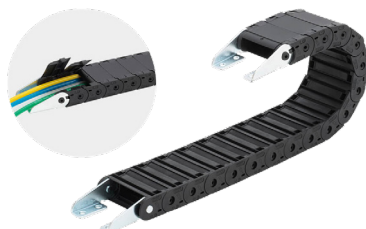
HPO series

Full Cover Open-Close Flap Type
Inner Width : 14, 20, 22, 42, 58, 97, 150 [mm]
Inner Height : 13, 25, 45, 58 [mm]
Applicable Diameter : 10, 11, 20, 36, 46 [mm]
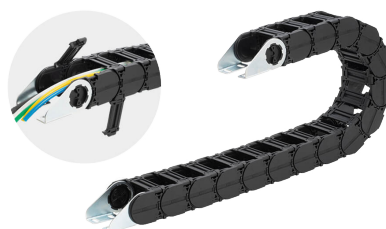
SP series

Low Abrasion, Low Noise, Open-Close Flap Type
Inner Width : Please contact us
Inner Height : Please contact us
Appliable Diameter : 12, 16, 20, 28, 34, 36, 44, 60, 64 [mm]

SPO series

Low Abrasion, Low Noise,
Full-covered Open-Close Flap Type
Inner Width : 75, 100, 125, 150 [mm]
Inner Height : 45, 55 [mm]
Appliable Diameter : 36, 44 [mm]
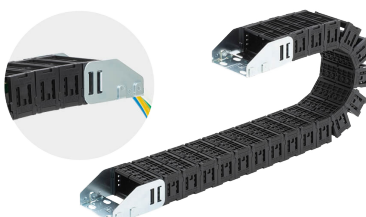
SC series

Minimum Dust Ejection, Low Noise,
Open-Close Flap, Hinge Connect Type
Inner Width : 20, 40, 50, 60, 70, 80, 100 [mm]
Inner Height : 15, 20, 25, 35 [mm]
Appliable Diameter : 12, 16, 20, 24, 28 [mm]
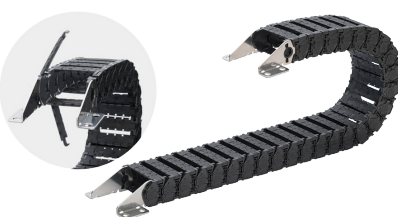
SD series

Sturdy and durable for high speed application
Inner Width : 50, 60, 80 [mm]
Inner Height : 25 [mm]
Appliable Diameter : Ø20 [mm]

AIR CYLINDER

Standard type

Double Acting
Bore Size : Ø32, 40, 50, 63, 80, 100 [mm]
Max. Stroke : 2500 [mm]
ISO 15552

Compact type

Single Acting - Double Acting
Bore Size : Ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100 [mm]
Max. Stroke : 300 [mm]

Miniature type

Single Acting - Double Acting
Bore Size : Ø16, 20, 25, 32, 40 [mm]
Max. Stroke : 1000 [mm]

Guide type

Double Acting
Bore Size : Ø6, 10, 12, 16, 20, 25, 32, 40, 50, 63 [mm]
Max. Stroke : 400 [mm]
Non-rotating Accuracy : ± 0.1°

Twin Rod type

Double Acting
Bore Size : Ø6, 12, 16, 20, 25, 32 [mm]
Max. Stroke : 200 [mm]

Slide (Table) type

Double Acting
Bore Size : Ø6, 8, 12, 16, 20, 25 [mm]
Max. Stroke : 150 [mm]
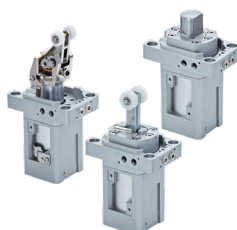
Stopper type

Double Acting, Shockless Type
Bore Size and Stroke : Ø32-20, Ø50-30, Ø63-30, Ø80-40 [mm]
Adjustable shock absorber

Rodless type

Double Acting
Bore Size : Ø16, 25, 32, 40, 50, 63 [mm]
Max. Stroke : Ø16 : 100 - 3,000 [mm]
: Ø25 : 100 - 5,600 [mm]

Rotary type

Double Acting
Bore Size : Ø12, 16, 20, 25, 32, 40 [mm]
Operating range of table is 0° - 190°
by angle adjusting screw

Clamp type

Double Acting
Bore Size : Ø25, 32, 40, 50, 63 [mm]
Stroke : 20, 25, 30, 35 [mm]
Lever Clamp Type
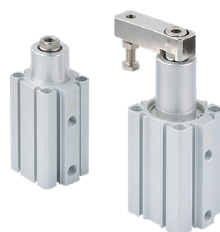
Swing Clamp type

Double Acting
Bore Size : Ø12, 16, 20, 25, 32, 40, 50 [mm]
Stroke :10, 20, 30, 50 [mm] [50 only for Ø50]
Swing Clamp type

Gripper type

Double Acting
Bore Size : Ø8, 12, 16, 20 [mm]
Max. Holding Force : 141 [N]
Parallel 2-Finger
Low profile with double piston structure

DIRECTIONAL CONTROL VALVE (Solenoid Valve)

PTV series

High Efficiency / Fieldbus Communication Supported
5/2, 5/3 Way / Body Ported and Manifold Ported
Body Width : 10, 15, 18 [mm]
Port Size : M5x0.8, 1/8", 1/4"
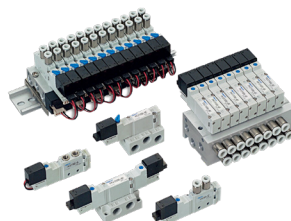
PKV series

Compact type / Large Flow / Excellent Durability
3/2, 5/2, 5/3 Way / Body Ported and Manifold Ported
Body Width : 10, 15 ,18 [mm]
Port Size : M5x0.8, 1/8", 1/4"

PNV series

Excellent Flow Characteristic / High Reliability
3/2, 5/2, 5/3 Way / Body Ported and Manifold Ported
Body Width : 15, 18, 26, 32 [mm] - Manifold based type
Port Size : M5x0.8, 1/8" - 3/4"

AIR TREATMENT & CONTROL UNIT

PACP - PACT series

Filter, Regulator and Lubricator Combination
Port Size : 1/8" - 1"
Filter Element : 40, 5 [μm]
Set Pressure Range : 0.05 - 1.50 [MPa]

PAFR PAR PAF series

Filter and Regulator (single unit)
Port Size : M5x0.8, 1/8" - 2"
Filter Element : 40, 5, 0.3, 0.01 [μm]
Set Pressure Range : 0.05 - 2.7 [MPa]

PAIR series

Precision Regulator
Port Size : 1/8", 1/4", 1/2"
Set Pressure Range : 0.005 - 0.8 [MPa]
Max. Operating Pressure : 1.0 [MPa]

PAM* series

Precision Filter
Port Size : 1/4" - 1"
Filter Element : 3, 0.3, 0.01 [μm] & Deodorization
Max. Operating Pressure : 1.0 [MPa]

PVBA series

Booster Regulator
Port Size : 3/8"
Max. Operating Pressure : 1.0 [MPa]
Achieve High Pressure Condition in Limited Space

BJSU series

2-Stage Speed Controller
Same control as the cylinder with shock absorber.
Standard Port Size : Ø4, 6, 8, 10 [mm]
Large Flow - Port Size : Ø4, 6, 8 [mm]

RV*P series

Compact Pressure Regulator / Push Lock Type
Port Size : Ø4, 6, 8 [mm]
Thread Size : M5x0.8, 1/8", 1/4"
Set Pressure Range : 0.1 - 0.8 [MPa]

RVFUP series

Compact Pressure Regulator / Pre-set Regulator
Port Size : Ø4, 6, 8, 10 [mm]
Fixed Pressure Range : 0.2 - 0.6 [MPa]
Pressure Tolerance : ±0.025 [MPa]

EQ series

Quick Exhaust Valve / Standard & Socket Type
Port Size : Ø4, 6, 8, 10, 12 [mm]
Thread Size : 1/8" - 1/2"
Increase The Speed Of Cylinder - Prevent Condensation

VACUUM PAD

STANDARD series

Recommended Work Think and Flat Workpieces.
Pad Diameter : Ø1 - Ø200 [mm]
Pad Material : NBR, Silicone, Urethane, FKM,
Conductive Rubber, Food Safe NBR, HNBR, EPDM

DEEP series

Recommended Work Round Objects such as
Fruits and Balls
Pad Diameter : Ø15 - Ø100 [mm]
Pad Material : NBR, Silicone, Urethane, FKM,
Conductive Rubber, Food Safe NBR, HNBR, EPDM

SMALL series

Recommended Work Small Objects such as
Semiconductor
Pad Diameter : Ø0.7 - Ø8 [mm]
Pad Material : NBR, Silicone, Urethane, FKM,
Conductive Rubber, Food Safe NBR, HNBR, EPDM

SOFT series

Recommended work Easy to Remove Molded
Products and Easily Damaged Workpieces
Pad Diameter : Ø4 - Ø40 [mm]
Pad Material : NBR, Silicone, Fluorosilicone,
Conductive Rubber

SOFT BELLOWS series

Recommended Work Easy to Remove Molded
Products and Easily Damaged Workpieces
Pad Diameter : Ø6 - Ø20 [mm]
Pad Material : NBR, Silicone, Urethane, Conductive
Rubber, HNBR, EPDM

SKIDPROOF series

Recommended Work Oil-Coated Object such as
Press Parts
Pad Diameter : Ø10 - Ø50 [mm]
Pad Material : Oil-proof NBR, Silicone, FKM,
Conductive Rubber

BELLOWS series

Recommended Work Bags Containing Retort Packs,
Packaging and Groceries Bag
Pad Diameter : Ø10 - Ø100 [mm]
Pad Material : NBR, Silicone, Urethane, FKM,
Conductive Rubber, HNBR, EPDM

MULTI BELLOWS series

Recommended Work Bags Containing Retort Packs,
Packaging and Groceries Bag
Pad Diameter : Ø10 - Ø50 [mm]
Pad Material : NBR, Silicone, Urethane, FKM,
Conductive Rubber, Food Safe NBR, HNBR, EPDM

PACKAGING BAG series

Recommended Work Bags Containing Liquids, Pouch
packs, Including FDA Silicone Lip
Pad Diameter : Ø10 - Ø30 [mm]
Pad Material : Soft Silicone with Standard Silicone

ULTRATHIN series

Recommended Work Thin Materials such as Copy
Paper and Vinyl Sheet
Pad Diameter : Ø8 - Ø20 [mm]
Pad Material : NBR, Silicone, Urethane, FKM,
Conductive Rubber, Fluorosilicone

FLAT series

Recommended Work Thin Materials such as Paper
and Vinyl Sheet. Reducing Deformation and
Wrinkling of Work
Pad Diameter : Ø10 - Ø30 [mm]
Pad Material : NBR, Silicone, Urethane, FKM,
Conductive Rubber

MARK-FREE series

Recommended Work Liquid Crystal Glass, Painting
Process, Semiconductor. Preventing Suction Mark.
Pad Diameter : Ø10 - Ø30 [mm]
Pad Material : PEEK, POM, Conductive PEEK

SPONGE series

Recommended Work Uneven Surface such as Exterior Wall, Small Stone and Seashell.
Pad Diameter : Ø10 - Ø100 [mm]
Pad Material : Chloroprene Rubber, Silicone Rubber

OVAL series

Recommended Work Substrate or Long Work Piece such as Semiconductor, Pen and Pencil
Pad Diameter : 2x4 - 8x30 [mm]
Pad Material : NBR, Silicone, Urethane, FKM, Conductive Rubber, HNBR, EPDM

MECHANICAL series

Recommended Work Light Work Pieces. Support Work Piece Release Mechanically by Ejecting a Pin
Pad Diameter : Ø2.5 - Ø10 [mm]
Pad Material : NBR, Silicone, FKM, Conductive Rubber

CONDUCTIVE R69 series

Recommended Work Electronic and Semiconductor. Best Suitable Surface Resistance at 10^6 - 10^9
Pad Diameter : Ø4 - Ø50 [mm]
Pad Material : Conductive Silicone, Conductive NBR
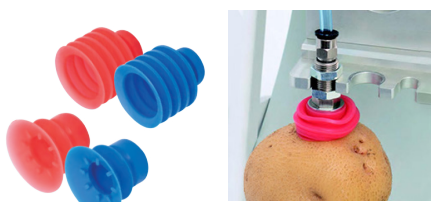
SOFT SILICONE series

Recommended Work Food-related Work Piece. For Food Machinery and Food Production Lines
Pad Diameter : Ø15 - Ø50 [mm]
Pad Material : Soft FDA Compliant Silicone

METAL DETECTABLE series

Recommended Work Food-Related Work Piece. For Food Machinery and Food Production Lines
Pad Diameter : Ø10 - Ø20 [mm]
Pad Material : Metal Detection Silicone [Iron, SUS powder]

VACUUM PAD HOLDER

General series

Can be Connected to Various Pad with Screw Set. A Wide Variety of Port Size, Joint and Stroke.
Fixed Type 10 Types
Spring Type 12 types [Stroke from 2 - 50 mm]

VP-CLF series

Low friction, Low Noise, Minimize Particle Generation, Adopted ALL SUS Material, Slim Structure.
Body Size M10, M14
Stroke 2, 5, 10, 15, 20 [mm]

VPG series

Minimize Particle Generation, Exellent Durability, Direct Mount Holder Type, Adopted ALL SUS Material.
Body Size VPG8, VPG15
Stroke 3, 6 [mm]

VPSE series

Built-in Vacuum Generator into Holder. Only Supplying Compressed Air, Work Piece Will be Held and Raised
Body Size M16 [Plastic Body Available]
Stroke 5, 10, 20, 30 [mm]

ECV series

Fall Prevention Valve. Minimize The Pressure Drop of Other Circuit When a Work Piece Falls Down.
Connection Size : M3x0.5, M4x0.7, M5x0.8, M6x1, M10x1.5, R1/8, R1/4

FH - CFH series

Free & Flexible Holder, Suitable for Non-Vertical Position, Unfixed Angle, Inclined or Curved Surface.
Connection Size : M4x0.7, M5x0.8, M6x1, M10x1.5
Articulation Angle 8°, 15°, 30°

VACUUM GENERATOR (Ejector & Vacuum Pump)

VA series

Total solution of vacuum piping, S3 specification as standard, Fixing option selectable.
Nozzle Diameter : 0.3, 0.4, 0.5, 0.7, 1.0, 1.2, 1.5 [mm]
Max. Suction Flow : 68 L/min,
Vacuum Level : -90 kPa

VJ series

Adding pressure adjusting function to blow-off,
Shorter vacuum release time, Energy-saving function.
Nozzle Diameter : 0.5, 0.7, 1.0, 1.2 [mm]
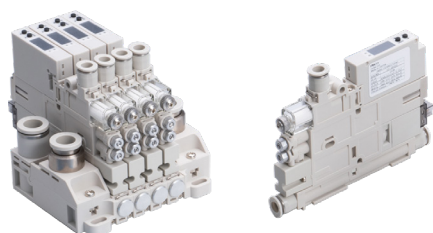Max. Suction Flow : 50 L/min,
Vacuum Level : -93.1 kPa
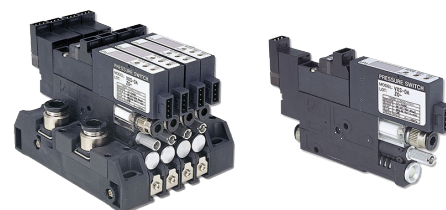
VX series

Lightweight and compact size, Direct-mounting and and DIN-rail mounting, High Response.
Nozzle Diameter : 0.5, 0.7, 1.0 [mm]
Max. Suction Flow : 26 L/min,
Vacuum Level : -93.1 kPa
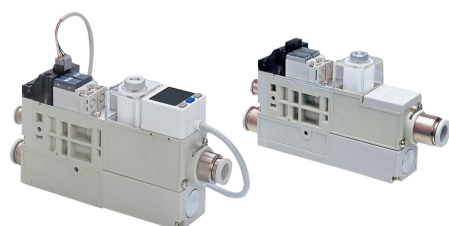
VQ series

Complex large flow vacuum generator, Two-stage nozzle and twin nozzle for less air consumption.
Nozzle Diameter : 0.7, 1.0, 1.2, 1.5, 2.0 [mm]
Max. Suction Flow : 180 L/min,
Vacuum Level : -93 kPa
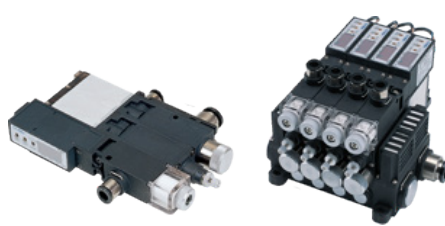
VK series

Wide variety of vacuum modules by selectable modularized unit combinations,
Energy-saving function.
Nozzle Diameter : 0.5, 0.7, 1.0, 1.2 [mm]
Max. Suction Flow : 50 L/min,
Vacuum Level : -93.1 kPa

RPV series

Rotary Vacuum Pump, Lightweight and Compact
Low Noise, Low Vibration and High Efficiency
Power Output : 40, 60, 90, 120 [W]
Flow Rate : 30, 60, 90, 120 [L/min] [≤-97.8 kPa]

VB series

Standard Box Type
Nozzle Size : Ø0.5, 0.7, 1.0, 1.2 [mm]
Vacuum Port : Ø4, 6 [mm]
Air Supply Port : Ø4, 6 [mm]

VU series

Standard Pipe Type
Nozzle Size : Ø0.5, 0.7 [mm]
Vacuum Port : M5x0.8, M6x1, 1/8, Ø4, 6 [mm]
Air Supply Port : Ø4, 6 [mm]

VY series

Blow-Off Mechanism Equiped Type
Nozzle Size : Ø0.5, 0.7 [mm]
Vacuum Port : Ø4, 6 [mm]
Air Supply Port : Ø4, 6 [mm]

VLM series

Multi Layer and Multi-Stage Nozzle Ejector
Nozzle Size : Ø1.6 [mm] - up to 6 Nozzle in Parallel
Vacuum Port : 3/4, 1
Air Supply Port : 1/4

VLS series

Standard Large Flow Ejector
Nozzle Size : Ø2.0, 2.5, 2.8 [mm]
Vacuum Port : 1/2
Air Supply Port : 1/2

VLCP series

Convey large Materials, Films, Chip and Other Particles.
Wind Speed up to 25 [m/s]
Vacuum Port : 50, 100, 135 [mm]
Air Supply Port : 3/8, 1/2

VACUUM ACCESSORIES

RVZ series

Vacuum Regulator with Push Lock Type
Port Size Ø6, 8 [mm]
Set Pressure Range -100 to -1.3 [kPa]
Max. Operating Pressure 100 kPa

VF series

Vacuum Filter with Variety Type for Several Applications
Port Size : Ø1.8, 3, 4, 6, 8, 10, 12, 16 [mm]
Filter Element : 5, 10 [μm]
Filter Area : 1.4, 2.8, 4.7, 7.5, 12.5, 20 [sq.cm]

VFL series

Vacuum Filter for Pump and Large Flow Ejector
Port Size : 3/8, 1/2, 3/4, Ø10, 12, 16 [mm]
Filter Element : 1, 5, 10, 200 [μm]
Filter Area : 64.4 [sq.cm]

VUS-SEU series

Pressure Sensor with 3 Colors LCD Dual Displays
Negative, positive and compound pressure can be handled by one unit
Pressure Range -100 v~ 1000 [kPa] / -0.1 ~ 1.0MPa
Connection Female M5x0.8, Male R1/8

PF series

Large Digital Flow Sensor
Flow Rate Range 1 [mL/min] to 2100 [L/min]
Flow Direction One-Way Direction Only
Connection : 1/8, 1/4, 1/2, 3/4, Ø6, 8 [mm]

PFP series

Large Digital Flow and Pressure Sensor
Flow Rate Range 1 [mL/min] to 2100 [L/min]
Pressure Range -100 to 1000 [kPa]
Connection : 1/8, 1/4, 1/2, 3/4, Ø6, 8 [mm]

VACUUM GRIPPER

VRG series

Suitable for Large multiwall and Shrink-wrapped plastic bottle.
Surface Size 150x150, 170x280, 300x470 [mm]
Max. Lifting Force 1512.7 [N]
Robotic Connection P.C.D. : 31.5, 40, 56, 80, 100 [mm]

VMG series [Pad type]

Suitable for Uneven workpieces such as wood and exterior walls.
Surface Size 180x260, 250x370, 380x570 [mm]
Max. Lifting Force 2369.5 [N]
Robotic Connection P.C.D. : 31.5, 40, 56, 80, 100 [mm]

VMG series [Sponge type]

Suitable for Card board boxed, and bagged items.
Surface Size 180x260, 250x370, 380x570 [mm]
Max. Lifting Force 1546.4 [N]
Robotic Connection P.C.D. : 31.5, 40, 56, 80, 100 [mm]
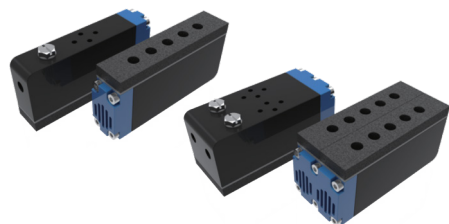
VLGM series

Suitable for irregularly shaped products, including PCB substrates, various forms, and porous products.
Body Width : 15,30 [mm]
Max Lifting Force : 9 [N]
Length Available : 67 [mm]

VLG series [Pad type]

Suitable for Molded parts, Paching and packaging, Bottle and Long length work-pieces
Body Width : 50, 100 [mm]
Max. Lifting Force 604.7 [N]
Length Available : 200-800 [mm]

VLG series [Sponge type]

Suitable for Woods, Aluminium extrusion, Steel plate, Can, Uneven surface and Ceremic part.
Body Width : 50, 100 [mm]
Max. Lifting Force 1890 [N]
Length Available : 200-800 [mm]

PROFILE & TUBE

PST series

Stainless Steel Tube
Diameter : Ø8, 12, 20 [mm]
Length : 1500 [mm]
Plugs Color : Red, Grey, Blue, Black
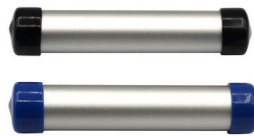
PAT series

Aluminum Tube
Diameter : Ø20, 25, 30, 40 [mm]
Length : 1000, 2000 [mm]
Plugs Color : Grey, Blue, Black

PCT series

Carbon Fiber Tube
Diameter : Ø8, 12, 20, 25, 30, 40 [mm]
Length : 1000, 2000 [mm]
Plugs Color : Red, Grey, Blue, Black
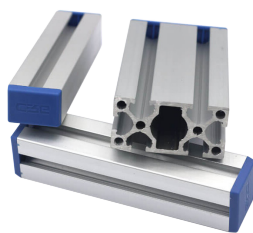
PEP series

Aluminum Extruded Profile l Sqaure Body Type
Profile Size : 18x18, 10x25, 18x25, 25x25, 25x50, 30x30, 40x40 [mm]
Profile Length : 1000, 2000 [mm]

PEP* series

Aluminum Extruded Profile l Octagon Body Type
Profile Size : 36x36 [mm]
Profile Length : 1000, 1500, 2000 [mm]

PT* series

T-Nut, Screw, Single and Double Holes Shims
Thread M4x0.7, M5x0.8, M6x1.0
Nut & Screw Length : 16 - 100 [mm]
Shims Length : 16 - 35 [mm]

STENTS MODULE
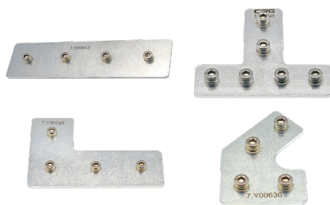
SFP series

Straight, L-Shaped, T-Shaped, 45° Fixing Plate,
Fixed Plate with Adjustable Angle

SMB series

Cross Mounting Bracket for Profiles, Cross Joint
& Connector, Vertical Fastening, Profile Connector,
Angle Bracket, Flat Straight, Mounting Bracket,
Manifold Block, etc.

SV series

Direct Connector for Vacuum Cup, Mounting Bracket
for Vacuum Cup, Rotatable Mounting Bracket for
Vacuum Cup, Leg for Vacuum Cup.
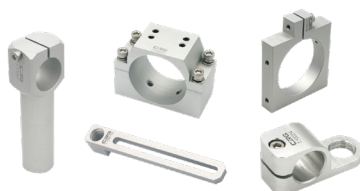
SC series

Clamp Leg, Swiveling Support,
Air Nipper Mounting Bracket, Nipper Bracket,
Gas Cut Bracket, Gas Cut Fixation, Adjustable Nipper
Mounting Clamps

SEA series

Elbow Arm, Heavy Duty Elbow Arm, Arm for Vacuum Cup.

Manifold Block series

Side Manifold Block
Number of Ports : 5. 6, 8, 9, 10, 14 Port
Port Size : M5x0.8, 1/8"
Screw kit for installation are available

QUICK CHANGER

QCA series

Automatic Quick Changer for Robotic
Max. Payload 300 [kg]
Port Size : M5x0.8, 1/8, 3/8
Port Quantities : 6, 7, 8, 9, 12

QC series

Round Manual Quick Changer
Max. Payload 75 [kg]
Port Size : M5x0.8, 1/8, 1/4
Port Quantities : 4, 8, 10, 12

QCSM/A series

Electric Signal Module / Pneumatic Extension Module
Channel Available : 8, 15, 19, 26 [CH]
Connector type D-Sub or Standard Connector
Port Size : M5x0.8, 1/8, 1/4
Port Quantity : 6, 10, 14

QCS series

Square Manual Quick Changer
Max. Payload 800N
Port Quantity 4 , 6

QCL series

L-type Manual Quick Changer
Suitable for Robotic on Injection Machine
Max. Paylaod 15, 35 [kg]
Aluminum, Steel

QCA-S series

Square Automatic Quick Changer
Max. Payload 10 [kg]
Port Size : M5x0.8, Barb Ø4, 6 [mm]
Port Quantity 6

GRIP MODULE (Parallel & Angular type)

GMHZ2 series

Parallel Gripper - Double / Single Acting
Bore : Ø6, 10, 16, 20, 25, 32, 40 [mm]
Max. Holding Force 318 [N]
Repeatability Accuracy ± 0.01 [mm]

GMHZL2 series

Lengthen Parallel Gripper - Double / Single Acting
Bore : Ø10, 16, 20, 25 [mm]
Max. Holding Force 104 [N]
Repeatability Accuracy ± 0.01 [mm]

GMHC2 series

Angular Gripper - Double Acting
Bore : Ø16, 20 [mm]
Max. Holding Movement 1.36 [N]
Repeatiability Accuracy ± 0.01 [mm]

GMHS3 series

Three Jaws Gripper - Double Acting
Bore : Ø16, 20, 25 [mm]
Max. Holding Force 47 [N]
Repeatability Accuracy ± 0.01 [mm]

FPT series

Two-Finger Translational Gripper
Bore : Ø40, 50, 64, 80, 100, 125, 160, 200, 240, 300 [mm]
Max. Holding Force 6260 [N]
Repeatability Accuracy ± 0.01 to 0.05 [mm]

FCT series

Three-Finger Translational Gripper
Bore : Ø40, 50, 64, 80, 100, 125, 160, 200, 240, 300 [mm]
Max. Holding Movement 15200 [N]
Repeatiability Accuracy ± 0.01 to 0.05 [mm]

GRIP MODULE (Sprue type)

GR series
Sprue Gripper - Single Acting
Bore : Ø5, 8, 10, 12, 20 [mm]
Max. Holding Force 80 [N]
Magnetic Switch Sensor is available

GRA20 series
Sprue Gripper - Double / Single Acting
Bore : Ø20 [mm]
Max. Holding Force 80 [N]
Magnetic Switch Sensor is available

GRT20 series
Sprue Gripper - Single Acting
Bore : Ø20 [mm]
Max. Holding Force 100 [N]
5 Different type of Jaws are available

GRP32 series
Sprue Gripper - Double Acting
Bore : Ø32 [mm]
Max. Holding Force 200 [N]
3 Range of Movement Stroke are Available
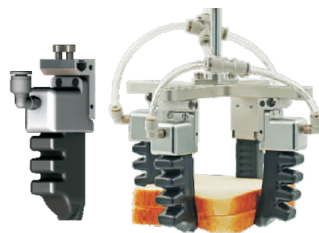
GFM-V5 series
Soft Gripper
3 Steps Operation - Open / Release / Grab
8 Size of Finger Length
3 Size of Finger Width
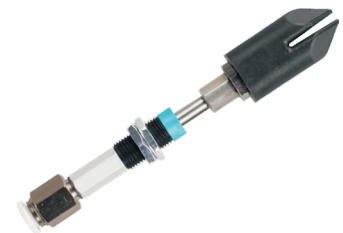
GBS series
Roro Beak Suit Gripper
3 Steps Operation - Open / Release / Grab
3 Types of Finger [2, 3, and 4 Finger]
Gripping Range 1 - 12 [mm]

GSR - GSP series
Buffer Support
Standard Body - Threaded Body
Body Size : 14, 20, 30 [mm]
Stroke : 15, 21, 26, 51 [mm]

GMP series
Mould Positioner
3 Sizes are Available 14, 20, 30
Port Size : M5x0.8, 1/8
Locking Force : 90, 190, 280 [N]

GN series
Pneumatic Needle Gripper
Fixed Type and Stroke Type
Needle Quantities : 4, 8 [Pcs]
Max. Holding Force : 90 [N]
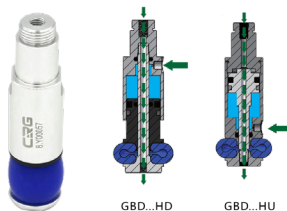
GBD series
Bulging Device
Body Size : 18, 22 [mm]
Internal Gripper Diameter : 24, 25, 31.5 [mm]
Transparent Silicone and Blue Silicone

GBD...HD   GBD...HU

GF series
One Finger Angular Pnuematic Gripper
Piston Bore : Ø10, 16, 25 [mm]
Max. Gripping Force : 430 [Ncm]
Standard, Long and Short Finger are available

GO series
One Finger Angular Pnuematic Gripper
Piston Bore : 20 [mm]
Finger Material NBR, Silicone
Flange / Thread Mounting

VACUUM MODULE

PFG series

Vacuum Cup Standard Type
Pad Diameter : Ø2 - Ø200 [mm]
Pad Material : Silicone Rubber, Siton, Nitrile Rubber

FGA series

Vacuum Cup 1.5 Folds Type
Pad Diameter : Ø6 - Ø78 [mm]
Pad Material : Silicone Rubber, Siton, Nitrile Rubber

FG series

Vacuum Cup 2.5 Folds Type
Pad Diameter : Ø3 - Ø88 [mm]
Pad Material : Silicone Rubber, Siton, Nitrile Rubber

SGON series

Vacuum Cup Oval Type
Pad Diameter : 4x2 - 90x30 [mm]
Pad Material : Silicone Rubber, Siton, Nitrile Rubber

SAF series

Anit-Skid, Oil-proof and Water-Proof
Pad Diameter : Ø30, 40, 50, 60, 80, 100, 125 [mm]
Pad Materials : Nitrile Rubber

SAOF series

Anit-Skid, Oil-Proof and Water-Proof
Pad Diameter : 50x16, 60x23, 90x30, 80x40, 100x50, 120x60, 140x70 [mm]
Pad Materials : Nitrile Rubber

SAB series

Anit-Skid, Oil-Proof and Water-Proof
Pad Diameter : Ø22, 30, 40, 50, 60, 80, 100, 125 [mm]
Pad Materials : Nitrile Rubber

SAOB series

Anit-Skid, Oil-Proof and Water-Proof
Pad Diameter : 60x30, 80x40, 110x55, 140x70 [mm]
Pad Materials : Nitrile Rubber

VM series

Vacuum Cup Fitting
Thread Size : M3x0.5, M5x0.8, M8x1, 1/8, 1/4
Compatible with ALL CRG Vacuum Cups

VFN/R series

Vacuum Cup Suspensions
Cylindrical Round / Thread Body Type
Body Size : M10, M14, M16, M20, Ø10, 14, 20 [mm]
Stroke : 11, 21, 26, 36, 51 [mm]

VFE series

Vacuum Cup Suspensions - Rotative
Cylindrical Round / Thread Body Type
Body Size : M10, M14, M16, M20, Ø10, 14, 20 [mm]
Stroke : 11, 21, 26, 36, 51 [mm]
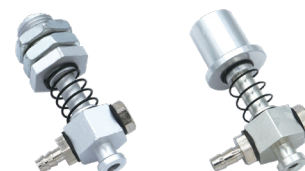
VFS series

Vacuum Cup Suspensions - Suction Stem
Cylindrical Round / Thread Body Type
Body Size : M10, Ø8, 12 [mm]
Stroke : 5, 10, 20, 30 [mm]

Ezi-SERVO

Closed Loop Stepping System

Ezi-SERVO®

Closed Loop Stepping System

FASTECH'S Closed Loop Stepping System Technology is controlling the motion by getting the feedback from the high-resolution encoder attached to the stepping motor and compensating the error through the closed loop control, which make it possible to recognize the exact position, free from step out and quite different from conventional Open Loop Stepping. Closed Loop Stepping System make it enable to return back to original position automatically even in the of position error generated by external force.

- Closed Loop System
- Hight Resolution [Max.32,000P/R]
- Provide various motor sizes [20~86mm] based on NEMA standard
- Current control according to load
- Various line up of drives such as Pulse Input / Network type products
- DC/DC converter improves torque in hight-speed range

ST series

Pulse Input, Standard Drive

MINI series

Pulse Input, Mini Drive

BT series

Pulse Input, Integrated Drive

EtherCAT series

EtherCAT Interface, Standard Drive

EtherCAT TO series

EtherCAT Interface, Torque off Function

EtherCAT MINI series

EtherCAT Interface, Mini Drive

EtherCAT 4X series

EtherCAT interface, Multi-Axis

EtherCAT ALL series

EtherCAT Interface, Integrated Drive

Plus-E series

Ethernet Interface, Standard Drive

Plus-E MINI series

Ethernet Interface, Mini Drive

Plus-E ALL series

Ethernet Interface, Integrated Drive

CC-Link series

CC-Link Interface, Standard Drive

Ezi-IO

Ezi-IO®
Input/Output Module

EtherCAT DIO series

EtherCAT Based Digital I/O Module
Simple Wiring [e-CON Connector and Terminal Block]
Various 16CH & 32CH I/O Module [NPN / PNP Type]
Digital Input / Output Photocoupler Isolation

EtherCAT AD series

EtherCAT Based Analog Input Module
CiA 401 Profile Supported
Simple and Easy Wiring
Configuration by Switch Setting

EtherCAT DA series

EtherCAT Based Analog Output Module
CiA 401 Profile Supported
Simple and Easy Wiring
Output Range Configurable

EtherCAT CNT series

EtherCAT Based High Speed Counter Module
All EtherCAT Synchronization Modes Supported
Simple and Easy Wiring
Line Receiver and DC Input Type Provided
Equipped with Comparison Output Function

Ethernet DIO series

Ethernet Based Digital I/O Module
Plus-E Series Communication Protocol Supported
Simple and Easy Wiring
Digital Input / Output Photocoupler Isolation

Ethernet AD series

Ethernet Based Analog Input Module
Simple and Easy Wiring
Input Mode and Range Configuration
Moving Average Filtering

Ethernet DA series

Ethernet Based Analog Output Module
Simple and Easy Wiring
Output Range Configuration
Calibration for Output Deviation
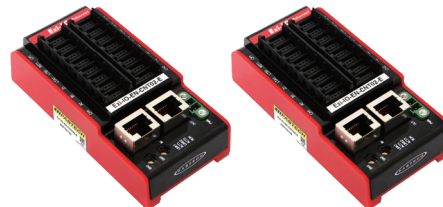
Ethernet CNT series

Ethernet Based High Speed Counter Module
Simple and Easy Wiring
Line Receiver and DC Input Type Available
Compare Output Function

CC-Link IE TSN DIO series

CC-Link IE TSN Based Digital I/O Module
CC-Link IE TSN Authentication Blass B
Input Filter Function
Simple and Easy Wiring
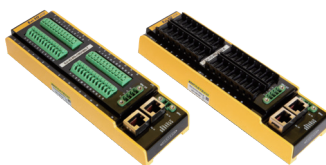
PROFINET DIO series

PROFINET Based Digital I/O Module
RT(Realtime) & IRT(Isochronous Realtime)
Communication Supported
Simple and Easy Wiring
DIN Rail Mounting

Ezi-SPEED

BLDC Motor Speed Control System

Ezi-SPEED ®
BLDC Motor Speed Control System

ST series

AC Input (220V) BLDC Motor Speed Control System
Compact·Light Weight·High Power·High Efficiency Brushless Motor
Wide Speed Control Range (50~4000r/min)
Stable Speed Control by Vector Control (Speed Regulation within 0.2%)
Easy Connection, Easy Operation
Various Product Line-Up (30, 60, 120, 200, 400W)

Modbus RTU series

AC Input (220V) BLDC Motor Speed Control System
RS-485 Modbus-RTU Based BLDC Motor & Drive
Compact·Light Weight·High Power·High Efficiency Brushless Motor
Wide Speed Control Range (50~4000r/min)
Stable Speed Control by Vector Control (Speed Regulation within 0.2%)
Torque Limit and Load Holding Function
Various Product Line-Up (30, 60, 120, 200, 400W)

Ezi-STEP

Micro Stepping System

Ezi-STEP ®
Micro Stepping System

Ezi-STEP in an All in One Unit Incorporating the Stepper Drive into Motor Housing. This Helps Elimate Wiring, Ensures Reliability and Provides a Low Cost Compact Package. FASTECH's Unique Integrated Software Provides Sensor-Less Detection of the Loss of Step Synchronization, Dampening That Provides Smooth Motion and No Vibration at The Low Speed Range. HIGH Speed and Precision are Ensured by the High Preformance Onboard MCU [Micro Controller Unit] and Proprietary Algorithms Constantly Monitoring the Motor's Performance and Making Corrections.The MCU Even Detects Missed Steps During High Speed Operation [Over 300 [rpm]] and Built in Damping Provides Smooth Operation at Low Speeds. The Resolution of Ezi-STEP Can be Adjusted From 1.8° Motor Step Angle to 0.0072° Step Agnle for Super Precision. Ezi-STEP Also Generates Alarms and Running Signals to Monitor its Operation Remotely

- Microsteping System
- High precision microstep operation [Max.50,000P/R]
- Vibration suppression and high speed operation by Software damping
- Various line up of drives such as Pulse Input / Network type products
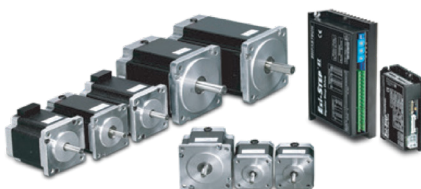
ST series

Pulse Input, Standard Drive

EtherCAT series

EtherCAT Interface, Standard Drive

Plus-E series

Ethernet Interface, Standard Drive

Ezi-ROBO

Precision Positioning Actuator System

Ezi-Robo®

Actuator series Driven by Ezi-SERVO

HG series

Ezi-SERVO + Hollow Rotary Index Table
Hollow Diameter : Max. Ø85mm
Permissible Torque : Max. 170N·m
Permissible Axial Load : Max. 4000N
Repeatability : ±10arcsec

CLA series

Compact Linear Ball Screw Actuator
Space Saving and Reducing Installation time
High Resolution Encoder (Max. 20,000 P/R)
Product Line-up : 20mm, 28mm, 42mm, 56mm

VLR series

Vacuum, Linear & Rotary Actuator
Hollow Shaft Motor with Miniature Ball Screw
Space Saving with Super Slim body
No wear powder from Belt & Pulley

SMS series

Steel Mono Stage with Integrated Drive
Linear Guide units on both side faces (Compact)
High Resolution Encoder (Max. 20,000 P/R)
Product Line-up : 15mm, 23mm, 30mm

AMS series

Aluminum Mono Stage With Integrated Drive
Linear Guide units on both side faces (Compact)
High Resolution Encoder (Max. 20,000 P/R)
Product Line-up : 30mm, 40mm, 50mm, 60mm
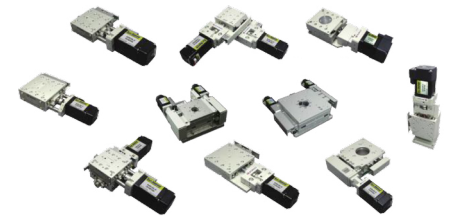
PMS series

Ezi-SERVO & High Precision KOHZU stage
High Precision Positioning
Ultra-thin stage and ultra-precise alignment
1-Axis, 2-Axis, Rotary Axis, Goniometer, 3-Axis Type

Ezi-MOTIONLINK

Network Based Motion Controlled

Ezi-MotionLink®

Network based Motion Controller Plug-in to Servo Drives

Plus-E series

Ethernet Based Motion Controller Compatible with Various Servo Drives
Various Motion Functions Reduce Wiring

STANDARD AC MOTOR

INDUCTION series

Motor Capacity : 3 - 200 [W]
Motor Frame : 60, 70, 80, 90, 104 [mm]
Gear Ratio : 1:3 to 1:250
Electricity : 100-240V AC 50/60 Hz

REVERSIBLE series

Motor Capacity 6, 15, 25, 40, 60, 90 [W]
Motor Frame 60, 70, 80, 90 [mm]
Gear Ratio 1:3 to 1:250
Electricity 100-240V AC 50/60 Hz

BRAKE series

Motor Capacity : 6, 15, 25, 40, 60, 90, 150, 180, 200 [W]
Motor Frame : 60, 70, 80, 90 [mm]
Gear Ratio : 1:3 to 1:250
Electricity : 100-240V AC 50/60 Hz

TERMINAL BOX series

Motor Capacity : 6, 15, 25, 40, 60, 90, 150, 180, 200 [W]
Motor Frame : 60, 70, 80, 90 [mm]
Gear Ratio : 1:3 to 1:250
Electricity : 100-240V AC 50/60 Hz
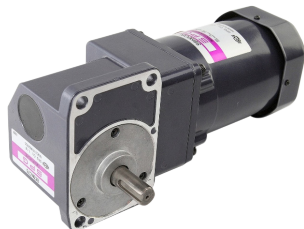

SPEED CONTROL series [Unit type]

Motor Capacity 6, 15, 25, 40, 60, 90 ,180[W]
Motor Frame 60, 70, 80, 90 [mm]
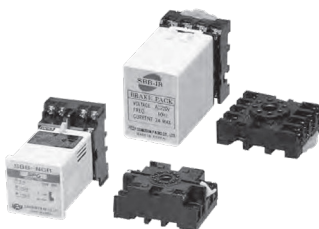Gear Ratio 1:3 to 1:250
Electricity 100-240V AC 50/60 Hz

SPEED CONTROL series [Pack type]

Motor Capacity 6, 15, 25, 40, 60, 90 [W]
Motor Frame 60, 70, 80, 90 [mm]
Electricity : 100-240V AC 50/60 Hz

RIGHT ANGLE series

Indicate Speed on Digital Display
4-digit Rotating Speed Indication
Reduction Rate and Multiplication Can be Set
Electricity : 100-240V AC 50/60 Hz

BRAKE PACK series

Contact and Non-Contact type
Applicated Motor : 6 - 90 [W]
Electricity : 100-240V AC 50/60 Hz
Applied CE Mark Certification

SPEED INDICATOR series

Indicate Speed on Digital Display
4-digit Rotating Speed Indication
Reduction Rate and Multiplication Can be Set
Electricity : 100-240V AC 50/60 Hz

INDUSTRIAL AC MOTOR

P series

Motor Capacity : 0.2 - 3.7 kW
Motor Efficiency : upto 89.5%
Electricity 3Ph : 220-460V AC 50/60 Hz

PA series

Motor Capacity : 0.2 - 2.2 kW
Motor Efficiency : upto 89.5%
Gear Ratio : 1:5 - 1:200
Electricity 3Ph : 220-460V AC 50/60 Hz

PC series

Motor Capacity : 0.2 - 2.2 kW
Motor Efficiency : upto 89.5%
Gear Ratio : 1:5 - 1:240
Electricity 3Ph : 220-460V AC 50/60 Hz

DISPLACEMENT SENSOR

CDX series

Ultra high-accuracy laser displacement sensor. Highly accurate, high speed, and stable measurements. Direct network connections: Without use of controllers. Equipped with web server

CD2H series

Laser Displacement SensorsHighest-in-class*. Repeat accuracy fastest-in-class*. Sampling period measurement in a long distance up to 1,200mm. Received light waveform can be displayed on OLED Display.

CD22 series

Compact laser displacement sensor. Newly added amplifier unit that can be connected with CC-Link communication units Built-in amplifier & digital 4-digit display. Featuring high performance functionality like high-end models

CD33 series

C-MOS laser displacement sensor. Specular reflection types have been added to the line up. Control units for Mitsubishi Electric PLC are available

CDA series

Displacement sensor amplifier unit. Up to two displacement sensors can be connected. Features a clear organic EL display. Can also display in Japanese

TD1 series

Through-beam Edge Sensor. Suitable for edge measurement and width/gap measurement. Light axis alignment function for easy installation. Easily readable amplifier unit

BGS/TOF DISTANCE SENSOR

Z4B series

IO-Link Supported BGS Sensor.
IO-Link supported: Connectable to various field networks via IO-Link Master. High power and small spot LED light source. Enhanced ambient illuminance resistance

TOF-DL/L series

TOF type with built-in digital panel / Long-range type Max. sensing distance of 4.5 m. Analog output type and 3-control-output type. The world's smallest TOF sensor. Built-in digital display for simple setup Capable of stable detection even over long distances

BGS-HDL/HL/HLM series

High-resolution C-MOS laser type. Minimum detectable height difference = 0.08 mm. Built-in controller and 4-digit display. Stable detection regardless object color

BGS-Z/ZL series

Laser, Standard type. Types with sensing distances of 100 mm and 300 mm. Industry standard size. Highly accurate height difference detection through low hysteresis

BGS-S/2S series

Standard elongated hole, small type. For locations with small mounting space. For accurate detection of small workpieces. High-speed response: 0.5 ms

BGS-ZM series

Stainless steel housing type. Equipped with a distance adjustment to enable distance setting. Employs a low deterioration 4 element red LED for the Light source. Degree of protection: IP69K (cable type),Equivalent to IP69g (connector type)

22

PHOTOELECTRIC SENSOR

Z series

Standard Sized Sensor
Through-beam Range : 25 [m]
Retro-reflective Range : 0.01 - 4.4 [m]
Diffuse-refective Range : 0 - 1 [m]

E series

Miniature Sensor
Through-beam Range : 500 [mm]
Retro-reflective Range : 30 [mm]
Diffuse-refective Range : 2 - 15 [mm]

S series

Small Sized Sensor
Through-Beam Range : 4 [m]
Retro-Reflective Range : 0.02 - 1.5 [m]
Diffuse-Refective Range : 200 [mm]

C series

M18 Cylindrical Sensor
Through-Beam Range : 25 [m]
Retro-Reflective Range : 0.01 - 4 [m]
Diffuse-Refective Range : 0 - 1 [m]

V series

Univeral Voltage Sensor
Through-Beam Range : 70 [m]
Retro-Reflective Range : 12 [m]
Diffuse-Refective Range : 2 [m]

Z-L series

Amplifier built-in type
Through-beam Range : 30 [m]
Retro-reflective Range : 0.2 - 10 [m]
Diffuse-refective Range : 400 [mm]

FIBER UNIT series

Square Type, Thread Type, Cylindrical Type, Sleeve Type, Bending Type, Flexible Type, Retro-Reflective Type,Small Object Type, Screen Type, Diffuse Type, Narrow Type, Heat Resistant Type, Chemical Resistant Type, Liquid Detect Type

FIBER AMPLIFIER series

Digital Type, I/O Interface Type, Potentiometer Type, White LED Type, Color Marl Type, Greeen LED Type, Red LED Type, High Response Type

DM series

RGB color/mark sensor for automatically selecting light source color. 3-color (red, green, blue) light source switching function. Threshold value digital adjustment function 8-bank switching function

VISION SENSOR & IIOT

MVS series

Multiple-camera Vision Sensors. Easy operation mega pixel ORC vision sensor with 8 times better resolution, preventing outflow of wrong printing to the market. Cost efficient color pattern matching and measurement vision sensor, up to 16 inspection window and easy set up.

UR series

IO-Link Master & IO-Link Hub. First in industry* Mixed connection of digital Sink(NPN) / Source(PNP) I/O devices is realized with one unit. Highly functional IO-Link Master for various industrial Ethernet. Contribute to the creation of IIoT (Industrial IoT) environment.

CVS series

All-in-one Vision Sensors. Easy set up color area sensor, 8 bank and 2 threshold model. Detect color and shape, pattern matching and color inspection. Built-in calendar, recognizes alphabetic, Numeric special character.

QUICK COUPLING FOR AUTOMATION

Auto Cupla & Clamp

MAS / MAT series

Applicable Fluild : Air, Water, Hydraulic Oil
Max. Working Pressure : 7.0 [MPa]
Valve Structure 2-Way Shut-off
Port type : 2P, 3P, 4P, 6P, 8P

MALC-01 series

Applicable Fluild : Air, Water
Max. Working Pressure : 1.0 [MPa]
Valve Structure 1-Way Shut-Off
Port type : 01P

MALC-SP series

Applicable Fluild : Air, Water, Hydraulic Oil
Max. Working Pressure : 7.0 [MPa]
Valve Structure 2-Way Shut-off
Port type : 1SP, 2SP, 3SP, 4SP, 6SP, 8SP, 12SP

MALC-HSP series

Applicable Fluild : Hydraulic Oil
Max. Working Pressure : 25.0 [MPa]
Valve Structure 2-Way Shut-off
Port type : 1HSP, 2HSP, 3HSP, 4HSP, 6HSP, 8HSP

MACU series `NEW`

Auto Clamping unit for MAS / MAT / MALC Type
Holding forice upto 20 kN / 1 set
Equipped with air-driven lock and unlock mechanism
Proximity sensor can be installed

HK-400A series

Cutting Oil Colecting Unit
Install on the Side of Machine with Magnet
No air Piping Required
Capable of Suction Gas & Liquid Mixture

ELECTRIC SCREWDRIVER

Automatic & Robotic Type

C series

Current Control Type
Torque Range : 0.5 - 4.5 [Nm]
Screw Size : 1.2 - 6.0 [mm]
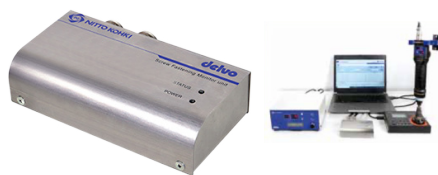30 Different Torque in Single Unit

S series

Variable Speed Type
Torque Range : 0.4 - 7.0 [Nm]
Screw Size : 2.6 - 8.0 [mm]
Multi Function up to 8 Channels

A series

Automation Type
Torque Range : 0.4 - 7.0 [Nm]
Screw Size : 2.6 - 8.0 [mm]
Flange Installation for Auto-Machine

Screw Fastening Monitor

Torque Monitoring for C Series
Sends Data to External Devices
Free Software by NITTO KOHKI
RS-232C Communication

Torque Checker

Measurement Range 0.015 - 12 [Nm]
Precision ± 0.5% (Full Scale)
Display 4-Digit Digital Display
External Signal Output Available

Automatic Screw Feeder

Automatic Screw / Bolt Presenter
Manual & Automatic Series
Screw Size : M1.0 - M8.0
Screw Length : up to 50 [mm]

![OHTAKE]

TUBE / FITTING / AIR EQUIPMENT

TE series

Polyurethane Tube
Tube Size : Ø4, 6, 8, 10, 12, 16 [mm]
Max. Working Pressure : -100 [kPa] to 0.8 [MPa]
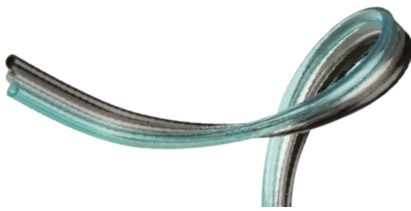Tube Color 13 Standard Colors and Custom Color

TE-LF series

Low Friction Polyurethane Tube
Tube Size : Ø4, 6, 8, 10, 12 [mm]
Max. Working Pressure : -100 [kPa] to 0.8 [MPa]
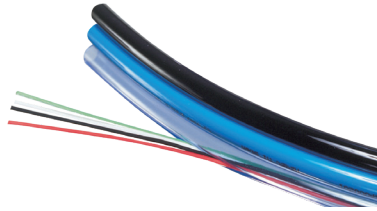Tube Color : Black, Light Blue, White

TE-EP series

Antistatic Tube
Tube Size : Ø4, 6, 8, 10, 12 [mm]
Max. Working Pressure : 0.8 [MPa]
Tube Color : Black

SP series

Soft Polyurethane Tubing
Tube Size : Ø4, 6 [mm]
Max. Working Pressure : -100 [kPa] to 0.4[MPa]
Tube Color : Black, Clear, Clear Blue

STE series

Slited Straight Tubing [Built-in Electric Wiring]
Tube Size : Ø4, 6, 8 [mm]
Max. Working Pressure : -100 [kPa] to 0.8 [MPa]
Tube Color : Black, Clear Blue, Blue

SSE series

Slited Spiral Tubing [Built-in Electric Wiring]
Tube Size : Ø4, 6, 8 [mm]
Max. Working Pressure : -100 [kPa] to 0.8 [MPa]
Tube Color : Black, Clear Blue, Blue

TCV series

Standard Fitting for Compressed Air, Water and Vacuum
Working Pressure : -0.1 to 1.0 [MPa]
Thread Size : M3x0.8, M5x0.8, R1/8 - R1/2
Port Size : Ø4, 6, 8, 10, 12, 16 [mm]

TCV Speed Controller series

Speed Controller for air flow rate adjustment
Working Pressure : 0.05 - 0.7 [MPa]
Thread Size : M3x0.5, M5x0.8, R1/8 - R1/2
Port Size : Ø4, 6, 8, 10, 12 [mm]

CS series

Silencer
Body Material : Steel, Brass, Resin, Stainless
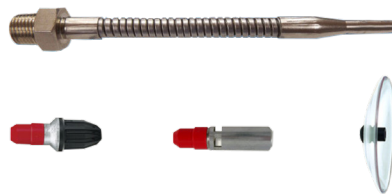Silencer Element - Depedning on Body type
Thread Size : R1/8, 1/4, 3/8, 1/2

PULSE BLOW

Air Controller

PB-1000S series

Pulse Blow Controller Unit
Energy-saving & Reduce Air Consumption
Operating Pressure : 0.3 - 0.7 [MPa]
Pulse Control Range : 15 [Hz]

PB-FN series

Flexible Nozzle for Pulse Blow Controller
Flexible Length : 150, 200 [mm]
Body Material SUS304
Nozzle Applicant NS-24, VN-20, SN-22, RC-20

VESSEL

AIR NIPPER

GT-NY series

Sliding Air Nippers Horizontal Type
Cutting Material : Soft & Hard Plastic, Copper, Steel
Cutting Capacity : Ø1.0 - 5.0 [mm]
Port Size : Hose Nipple I.D. Ø2.5, 4 [mm]
    : Tube Fitting O.D. Ø4, 6 [mm]

GT-NT series

Sliding Air Nipper Vertical type
Cutting Material : Soft & Hard Plastic
Cutting Capacity : Ø1.0 - 5.0 [mm]
Port Size : Hose Nipple I.D. Ø2.5, 4 [mm]
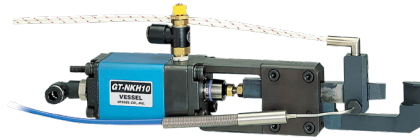   : Tube Fitting O.D. Ø4, 6 [mm]

GT-NR series

Air Nipper Round Type
Cutting Material : Soft & Hard Plastic, Copper, Steel
Cutting Capacity : Ø0.5 - 12.0 [mm]
Port Size : Rc1/8, 1/4

GT-NB series

Sliding Air Nipper Bracket Type
Cutting Material : Soft & Hard Plastic, Copper, Steel
Cutting Capacity : Ø0.5 - 12.0 [mm]
Port Size : M5x0.8, Rc1/8, 1/4

NKH series

Air-Hydro Heat Nipper
Connected Air Nipper Blade to Heater Unit
Reduce Supress Crack and Whitening of Clear Material
Customer Design Blade for Each Application

DTC series

Benchtop Temperature Controller
Compact Structure and Easy Temperature Monitoring
Temperature Range : 0 - 200 [℃]
Power Supply : 100 - 240V AC

STATIC SOLUTION

Fan type

Mount on cell workbench, parts stock shelf, or belt coveyor. Switch the fan speed for neutralization in the close or far distance.

Nozzle type

Assemble into manufacturing devices for pinpoint neutralization and dust-elimination within cramped spaces. Just replace the nozzle to use for various applications (N-1, N-3)

Gun type

Ideal for air cleaning and neutralization of parts after having received and before assembling them.
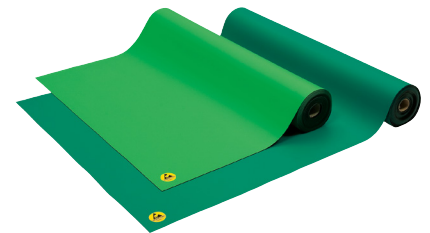Also good for sesin molded parts before painting them.

Bar type

Suitable for neutralization in clean rooms, and for prevention of static electricity on films moving at high speeds.

Ion Parts Cleaner

Air cleaning in non-static area. Scattered dust is collected by a dust collector. Our Ion Parts Cleaner maintains the clean environment.

EPA Working Mat

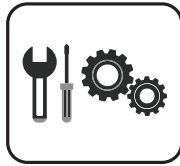ESD control mats for use in areas where parts are handled, assembled, repaired and tested.

26

WHAT WE CAN DO

Initial Survey → Planning → Design → Service Installation → Training Technical → After Sales Support

CUSTOMIZATION
- Jig, Welding & Vacuum fixture
- Auto electric screwdriver
- Camera vision system
- Dot peen & Laser marking
- Manipulator & Air balancer
- Integrated robotic system

END OF ARM TOOLING
- EOATs quick changer
- Attachment tools
- Customizable chuck plate
- Air nipper & Heat nipper
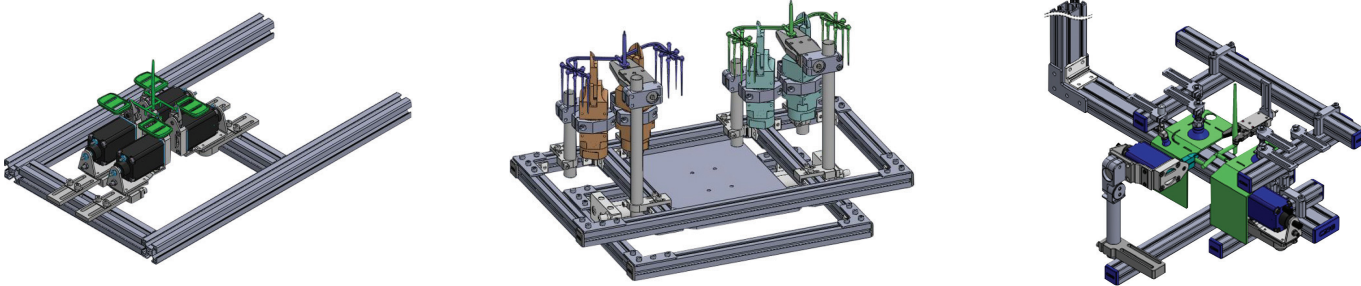- Pneumatic & Vacuum gripper
- Soft gripper technology

PACKING SYSTEM
- Conveyor system
- Carton erector machine
- Caser filling machine
- Sealing & Labeling
- Stack & Strapping
- Cleaning & Ionizing

PNEUMATIC & HYDRUALIC SYSTEM
- Super power unit
- Oil & water cooling system
- Hybrid system
- Energy saving unit
- Piping system
- Multi quick connecting

EOAT SYSTEM

VESSEL   **PISCO**   **CRG**

Cutting Station [Air Nipper / Heat Nipper / Servo Nipper]

Attachment System

HYDRAULIC SYSTEM

DAIKIN

Energy Saving Hydraulic Unit
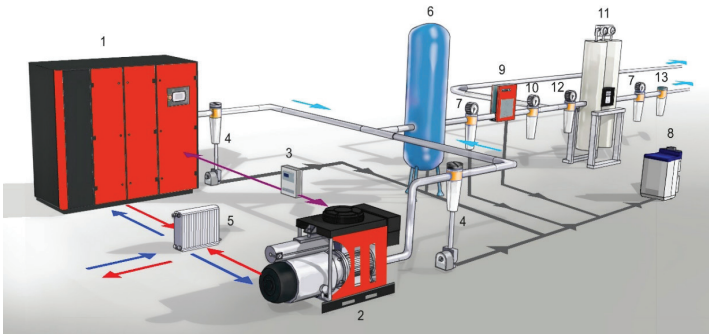

MULTI QUICK CONNECTING SYSTEM

NITTO KOHKI

Automatic

MAS (Snap ring mount) type
(Plug)

MAT (Thread screw mount) type
(Socket)
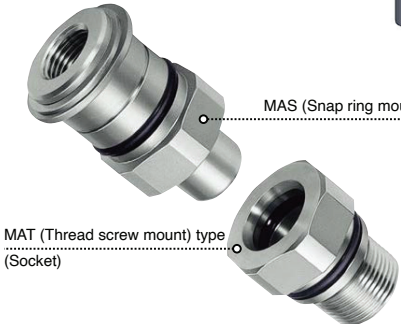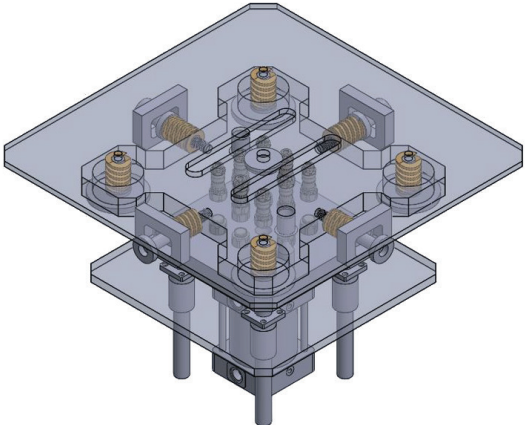
PIPING SYSTEM

Water / Cooling / Hydraulic / Compressed Air

PACKING SYSTEM

Conveyer

MARKING SYSTEM
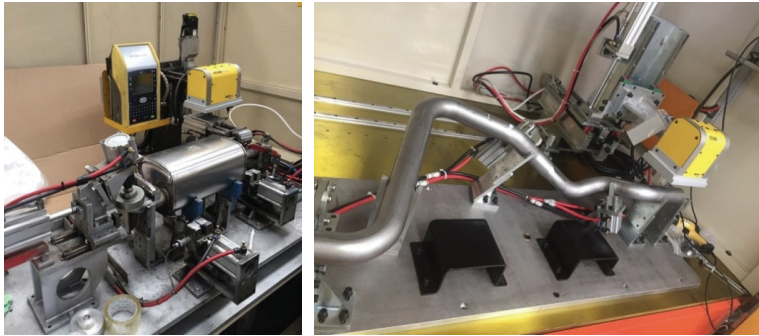
INTERGRATE ROBOTIC SYSTEM

0109241000