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TPC ALL PRODUCTS

- Actuators
- Clean Equipment
- Directional Control Valve
- Actuator Valve
- Air Preparation Unit
- Vacuum Equipment
- Pressure & Auto Switch
- Accessories
- electric Actuator
- Cartesian Robot
- Linear Stage
- Linear Motor
- Step/Servo System
- Linear motion components

ROUND CYLINDER Compact round cylinder AZ Series (stainless tube) (Ø20, Ø25, Ø32, Ø40) Mini(Pin) cylinder ACP Series (Ø4, Ø6, Ø10, Ø16) Compact round cylinder AS Series (aluminum tube) (Ø20, Ø25, Ø32, Ø40) Compact round cylinder AX Series (stainless tube) (Ø20, Ø25, Ø32, Ø40) Middle sized cylinder (no rod covered) AM Series (Ø40, Ø50, Ø63, Ø80, Ø100) Middle sized cylinder (rod covered) AM2 Series (Ø40, Ø50, Ø63, Ø80, Ø100) Large sized cylinder AL Series (Ø75, Ø100, Ø125, Ø160, Ø200, Ø250, Ø300) Round cylinder ARD Series (Ø20, Ø25, Ø32, Ø40, Ø50, Ø63)	STOPPER CYLINDER Stopper cylinder (vertical) NST, NST2, AST Series (Ø50, Ø63, Ø80) Lightweight stopper cylinder NSL Series (Ø32, Ø40) Damper stopper cylinder NSU Series (size: 10mm - 20mm) Horizontal stopper cylinder ASTH Series (Ø32, Ø50)	CLAMP CYLINDER Taper clamp cylinder ABK, ABK2 Series (Ø32, Ø40, Ø63) Swing clamp cylinder NSK Series (Ø12 - Ø63) Pin clamp cylinder NFC Series (Ø50, Ø63)	PLATE CYLINDER Plate cylinder NP Series (Ø50, Ø63) Plate lock cylinder NLP Series (Ø50, Ø63) Double rod cylinder ADR, ADC Series (Ø6, Ø10, Ø16, Ø20, Ø25, Ø32) Slide cylinder ASL Series (Ø12, Ø16, Ø20, Ø25, Ø32) Direct mount cylinder NDR Series (Ø10, Ø16, Ø20, Ø25) Compact direct mount cylinder NDC Series (Ø4 - Ø20)
COMPACT CYLINDER Compact cylinder (triangle) AQ Series (Ø12, Ø16, Ø20, Ø25) Compact cylinder (square / large bore) AQ2 Series (Ø12 - Ø200) Compact type thin cylinder AQ3 Series (Ø12, Ø16, Ø20)	GUIDE CYLINDER Compact guide cylinder NGC Series (Ø12 - Ø100) Compact guide cylinder NGC2 Series (Ø6 - Ø100) Compact guide cylinder AG Series (Ø20, Ø25, Ø32, Ø40) Compact guide cylinder air cushion type NSQA Series (Ø20 - Ø63)	RODLESS CYLINDER Rodless cylinder TGR Series (Ø16 - Ø80) Magnet type rodless cylinder AMR Series (Ø10 - Ø50) Rodless cylinder APR Series (Ø16 - Ø63) Magnetic rodless cylinder AMRR Series (Ø6, Ø10, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50)	AIR CHUCK (Compact) Parallel type NPHC2 / NPH2 Series (Ø12, Ø16, Ø20, Ø6, Ø10, Ø16, Ø20, Ø25, Ø32, Ø40) Parallel type long stroke NPHL2 Series (Ø10, Ø16, Ø20, Ø25) Angular type NFP2 Series (Ø10, Ø16, Ø20, Ø25, Ø32, Ø40) 180° angular type NFC2 Series (Ø10, Ø16, Ø20, Ø25) Wide type NFP2 Series (Ø10, Ø12, Ø16, Ø20, Ø25, Ø30, Ø40) 3 Jaw type NFC2 Series (Ø16, Ø20, Ø25, Ø30, Ø40, Ø50, Ø63, Ø80)
TABLE CYLINDER Table cylinder NLC Series (Ø6, Ø8, Ø12, Ø16, Ø20, Ø25, Ø32) Table cylinder NLC2 Series (Ø6, Ø10, Ø16) Rack & pinion type NRC Series (Ø2, Ø3, Ø5, Ø6, Ø8, Ø10) Rack & pinion compact NRC2 Series (Ø2, Ø3, Ø5, Ø6, Ø8, Ø10) Rack & pinion table NRC3 Series (Ø10, Ø20, Ø30, Ø40, Ø50, Ø60, Ø80)	ROTARY CYLINDER Rack & pinion table NRC3 Series (Ø10, Ø20, Ø30, Ø40, Ø50, Ø60, Ø80)		

Solution Innovation

TPC MECHATRONICS

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AIR CHUCK CLEAN CYLINDER (for clean room) 2PORT VALVE 3PORT SOLENOID VALVE 5SPORT SOLENOID VALVE HAND VALVE HAND LEVER VALVE 2-WAY ACTUATOR VALVE AIR PREPARATION UNIT

AIR CHUCK Parallel type air chuck dust cover NPHD2 Series (Ø10, Ø16, Ø20, Ø25, Ø32, Ø40) Compact air chuck NFB2 Series (Ø8, Ø12, Ø16, Ø20)	CLEAN CYLINDER (for clean room) Clean round cylinder CRVC-ARD Series (Ø40, Ø50, Ø63, Ø80, Ø100) Clean compact round cylinder CRVC-AX Series (Ø20, Ø25, Ø32, Ø40) Clean table cylinder CRVC-NLGD Series (Ø8, Ø16, Ø20, Ø25, Ø32) Clean precision cylinder CRVC-AX Series (Ø20, Ø25, Ø32) Clean compact guide cylinder CRVC-AGL Series (Ø12 - Ø32) Clean compact guide cylinder CRVC-NGCL Series (Ø12 - Ø32) Clean compact cylinder CRVC-AM2 Series (Ø12 - Ø100) Clean middle-sized cylinder CRVC-AM2 Series (Ø40, Ø50, Ø63, Ø80, Ø100) Clean large-sized cylinder CRVC-NLGD Series (Ø12 - Ø100) Clean slide table cylinder CRVC-NLGD Series (Ø6, Ø8, Ø12, Ø16, Ø20, Ø25) Clean compact round cylinder CRVC-AD2 Series (stainless tube) (Ø20, Ø25, Ø32, Ø40) Clean double rod cylinder CRVC-AD3 Series (Ø10, Ø16, Ø20, Ø25)	2PORT VALVE Direct type / Pilot type / Flange type DW Series (Ø2, Ø5 - Ø50) Noise reduction valve DWN Series (Ø1 - Ø50) Miniature type DWM Series (Ø1, Ø2, Ø3, Ø4) Air operating valve DWA Series (Ø10 - Ø50) For water type TVW Series (Ø1.6) Digital flow switch FSW Series (Port size: 1/2, 3/4) Coolant control valve DWC Series (Orifice size: 20) Flow indicator DWI Series (Port Size: 1/4 - 3/4)	3PORT SOLENOID VALVE Miniature(10mm) DR100 Series (Effective orifice: 0.28 - 0.3ml) High performance direct type D2100 Series (Flow rate: over 23(l/min)) Miniature(15mm) DR200 Series (Effective orifice: 0.56 - 0.65ml) 3 port pilot type RDS300 Series (Effective orifice: 19.2 - 22ml) Universal 3 port direct acting poppet type valve RTV307 Series (Effective orifice: 4.0ml) 3Port pilot-type solenoid valve RDV100 Series (Effective orifice: 1.5ml) 3Port pilot-type solenoid valve DWO Series (Effective orifice: 4.2 - 4.6ml) 3Port pilot-type solenoid valve RDI Series (Effective orifice: 9.2 - 12ml)	5SPORT SOLENOID VALVE 5port compact pilot type DVC1000 Series (Effective orifice: 0.06 - 0.16ml) Sport pilot type DV1000 Series (Effective orifice: 3.6ml) Sport pilot type DV3000 Series (Effective orifice: 7.2 - 9.5ml) Sport pilot type DV4000 Series (Effective orifice: 10.8 - 17.1ml) Sport pilot type DVS2000 Series (Effective orifice: 11.7 - 18ml) Sport pilot type DVS3000 Series (Effective orifice: 14 - 18ml) Sport pilot type DVS4000 Series (Effective orifice: 14, 17.5, 4.8, 56ml) Unwire manifold type DUM Series (Size : DV1000, 3000, 4000) Sport pilot air operate valve DVA1000 Series (Effective orifice: 3.6 - 17.1ml)	HAND VALVE Hand valve DH Series (Effective orifice: 7.5, 20, 55ml) HAND LEVER VALVE Hand lever valve DHL Series (Effective orifice: 13.5 - 36ml)	2-WAY ACTUATOR VALVE 3Pcs ball valve TX350-3PCS Series (VALVE SIZE: 1/4" - 2") Butterfly valve TX350-BF Series (VALVE SIZE: 1/2" - 10") Nw type ball valve TX350-NW Series (VALVE SIZE: 25 - 50) Double acting 2-way ball valve TX350-2WAY Series (VALVE SIZE: 1/4" - 4") 2-Way manual ball valve(10kgf/cm ²) V-2P10K Flange Series (VALVE SIZE: 1/2" - 5")	AIR PREPARATION UNIT Combination PC3 Series (Port size : 1/4, 3/8) Combination PC4 Series (Port size : 3/8, 1/2) Combination PC5 Series (Port size : 3/4, 1) Filter PF2 Series (Port size : 1/8, 1/4) Filter PF3 Series (Port size : 1/4, 3/8) Filter PF4 Series (Port size : 3/8, 1/2) Filter PF5 Series (Port size : 3/4, 1) Filter PF6 Series (Port size : 1/8, 1/4) Filter PF7 Series (Port size : 1/4, 3/8) Filter PF8 Series (Port size : 3/8, 1/2) Filter PF9 Series (Port size : 1/4, 3/8) Filter PF10 Series (Port size : 3/8, 1/2)	
CUSTOMIZED CYLINDER Centering unit SE Series (Ø6, Ø10, Ø13, Ø16) Sensing unit SE Series (Ø16) Air blow unit NEU Series (Nozzle Ø1, Ø2.5) RAM cylinder AFM Series (Ø63, Ø80, Ø100, Ø125) Air-hydro converter SAH Series (Ø63, Ø100, Ø160) Stopper cylinder(double lever type) ASTH Series (Ø32, Ø50) Shock absorber TDA, TDS, TDC Series (Adjustable, compressive) Pin-shaft cylinder S028 Series (Ø50) Panel mounting cylinder AM Series (Ø6, Ø10, Ø15) Compact cylinder Intense-magnetism resistant ADDC2 Series (Ø50, Ø63)	PLUG-IN TYPE 5PORT SOLENOID VALVE Plug-in type RS1000 Series (Effective orifice: 3.3 - 4.9ml) Plug-in type RS2000 Series (Effective orifice: 7.2 - 10.8ml) Plug-in type RS3000 Series (Effective orifice: 32.4 - 37.4ml)	ISO 5 PORT SOLENOID VALVE Sport Pilot type DX1 Series (Effective orifice: 25.2 - 27ml) Sport Pilot type DX2 Series (Effective orifice: 50, 54ml) Sandwich regulator D2M Series (Effective orifice: over 18ml) Sandwich regulator D2M Series (Effective orifice: 27ml)	FOOT VALVE Foot valve D2M Series (Effective orifice : 19 - 45ml)	SHUTTLE VALVE Shuttle valve(OR valve) D2M Series (Effective orifice : 19ml)	CHECK VALVE Check valve D2M Series (Effective orifice: 25-94ml)	AIR BOOSTER Air booster ABS Series (size : Ø63, Ø100)	QUICK EXHAUST VALVE Quick exhaust valve DQE Series (Effective orifice : over 23 - 180ml)	AIR PREPARATION UNIT Combination PC1 Series (Port size : M5) Filter PF1 Series (Port size : M5) Regulator PR1 Series (Port size : M5) Lubricator PL1 Series (Port size : M5) Combination PC2 Series (Port size : 1/8, 1/4) Filter PF2 Series (Port size : 1/8, 1/4) Regulator PR2 Series (Port size : 1/8, 1/4) Lubricator PL2 Series (Port size : 1/8, 1/4)

AIR PREPARATION UNIT AIR PREPARATION UNIT AIR PREPARATION UNIT SENSOR & AUTO SWITCH ACCESSORIES CARTESIAN ROBOT CARTESIAN ROBOT ELECTRIC ACTUATOR

AIR PREPARATION UNIT Lubricator PL3 Series (Port size : 3/4, 1) Lubricator PL4 Series (Port size : 1/8, 1/4) Piggyback PF3 Series (Port size : 1/4, 3/8) Piggyback PF4 Series (Port size : 3/8, 1/2) Piggyback PF5 Series (Port size : 3/4, 1) Coalescing Filter PHUJ3-4 Series (Port size : 1/4, 3/8, 1/2)	AIR PREPARATION UNIT Clean regulator PRN200 Series (Port size : 1/4, 3/8, 1/2) Water regulator PHW Series (Port size : 1/8, 1/4) Regulator built-in type Digital Pressure Sensor DPS Series Miniature regulator PRU Series (Tube size : Ø4, Ø6) Modular lock out valve PLV Series (Port size : 1/8, 1/4, 3/8, 1/2, 3/4, 1) Modular pipe adapter PA Series (Port size : 1/8, 1/4, 3/8, 1/2, 3/4, 1) Modular manifold block MB Series (Port size : 1/4, 3/8, 1/2) Modular check valve PCV Series (Port size : 1/4, 3/8, 1/2) Pressure switch PCS Series (PC2-5 Series Adapter)	AIR PREPARATION UNIT (Micro)Water, Mist separator TMA/TMS/TM Series (Port size : 1/8, 1/4, 1/2, 3/4, 1, 1 1/2 and 2) High performance air filter TDF/TDF Series (Filtering capacity: 0.01 - 20μm) High temperature air dryer THT Series (Filtering capacity: 0.51 - 14.6(l/min)) Refrigerated air dryer TAD Series (Flow capacity: 0.51 - 112.5(l/min))	SENSOR & AUTO SWITCH Digital pressure sensor DPSA Series Miniature vacuum sensor SPSB Series Mini auto switch W7/8/10/20 Series Standard auto switch W3/4/5/11/13 Series Intense-magnetism resistant auto switch W2PWS1/WB1 Series	ACCESSORIES Miniature fitting N2 Series (Tube size : Ø3, Ø4, Ø6) Pilot check valve (metal type) D2M Series (Size : R1/8, R1/4, R3/8, R1/2) Pilot check valve D2M Series (Size : R1/8, R1/4, R3/8, R1/2) Poly urethan tube ST Series Floating joint SF/SFF Series	CARTESIAN ROBOT LM guide & belt type unit N2 Series (Ø4, Ø6, Ø8, Ø10) LM guide & belt type unit N2 Series (Ø6, Ø8, Ø10) LM guide & belt type unit C2 Series (160) LM guide & belt type QL Series (For Clean) (Ø6, Ø8, Ø10)	CARTESIAN ROBOT Track roller guide & belt type unit MB Series (Ø4, Ø6, Ø8, Ø10) Track roller guide & belt type unit MC Series (Ø4, Ø6, Ø8, Ø10) Track roller guide & belt type unit MS Series (Ø4, Ø6, Ø8, Ø10) Track roller guide & non drive type unit MB Series (Ø4, Ø6, Ø8, Ø10)	ELECTRIC ACTUATOR Electric actuator EMC Series (35, 45, 65, 80, 130, 165mm) Electric table servo actuator ETC Series (43, 48mm) Parallel closed type wide electric gripper EMG Series(External guide type) (45, 65, 80mm) Compact table servo actuator ESC/ESL Series (35, 49mm) Electric table actuator ELSD Series (35, 45, 65mm) Electric rotary actuator ERT Series (30, 70, 100mm) Electric gripper actuator EGH Series (16, 25, 40mm) Electric gripper actuator (180°) EFS Series (16, 25mm)				
AIR PREPARATION UNIT Vacuum regulator PRV Series (Port size : 1/4, 3/8) Precision regulator PRC Series (Port size : 1/8, 1/4, 3/8, 1/2) Miniature regulator PRU Series (Tube size : Ø4, Ø6) Modular lock out valve PLV Series (Port size : 1/8, 1/4, 3/8, 1/2, 3/4, 1) Modular pipe adapter PA Series (Port size : 1/8, 1/4, 3/8, 1/2, 3/4, 1) Modular manifold block MB Series (Port size : 1/4, 3/8, 1/2) Modular check valve PCV Series (Port size : 1/4, 3/8, 1/2) Pressure switch PCS Series (PC2-5 Series Adapter)	VACUUM EQUIPMENT Slim vacuum ejector EP Series (Suction flow : 5 - 22(l/min)) Multi vacuum ejector EMEL Series (Suction flow : 15 - 105(l/min)) Compact vacuum ejector ES Series (Suction flow : 15 - 9(l/min)) Vacuum control ejector VCE Series (Suction flow : 5 - 8(l/min)) Vacuum control unit VCP Series Vacuum generator VG Series (Suction flow : 115 - 320(l/min))	ACCESSORIES Silencer SN, SNB, SNW Series Speed controller SP2000, 4000 Series Speed controller (Built in one touch fitting) SPR, SPS Series Speed controller (metal type) SPM Series Compact one touch fitting SC Series One touch fitting SQ Series	LINEAR STAGE Linear stage LS Series (Size : 100, 150, 175, 200, 280mm) Compact linear stage LSC Series (Stroke : 50, 100mm) Compact linear stage TLR Series (Stroke : 100, 150, 200, 275mm) Alignment stage PLA Series (Size : 100, 150, 200mm)	CARTESIAN ROBOT LM guide & ball screw type unit TR3 Series (Ø6, Ø8, Ø10, 120, 150, 180, 210, 260) LM guide & ball screw type unit NCS Series (For Clean) (Ø5, Ø6, Ø8, Ø10, 120, 150, 180, 210) Track roller guide & ballscrew type unit MZ Series (Ø4, Ø6, Ø8, Ø10)	ELECTRIC PRESS MACHINE Electric Press Machine EPAN, EPN Series	LINEAR MOTION COMPONENTS Ball screw series LM guide series Ball spline Support unit	LINEAR MOTOR Linear motor Coreless type G Series Linear motor Core type F Series	STEP/SERVO SYSTEM Step motor driver & controller Servo motor driver & controller	LINEAR MOTOR Linear motor Coreless type G Series Linear motor Core type F Series	CROSS JOINT COUPLING Cross joint coupling Reducer	ELECTRIC ACTUATOR Electric gripper (3 Jaw) EG3 Series Double shaft slide servo actuator EDS Series