

New product information

PIU

Pick up unit



Turning the input shaft enables smooth motion of the head even at high speed. A wide selection of high-speed and high load capacity models are available.

ESCAPEMENT

Escapement

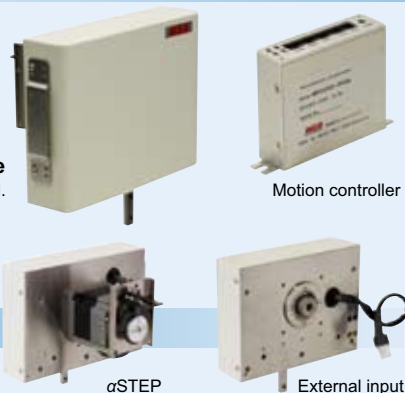


Compact models are added.

PPU

Pulse-control motor-driven

Pick & place unit



Long stroke
X: 110 mm is added.

Motion controller

Two driving parts are added.

α STEP

External input

PPU

Cam-driven

Pick & place unit



Multi type
90 x 30 stroke

PIU
Pick up unit

MEPAC
Chuck

ESC
Escapement

PPU
Pick & place

INDEX
Thin-type index

FLA
Flexible actuator

ALU
Alignment

TOU
Turn over unit

PIU

A single-axis unit capable of shock-free operation even at high speed. It is a pick up unit in which accurate operation is perfected.



MEPAC

An advance mechanism of precise and firm gripping makes this parallel air chuck exceptionally reliable. The compact and light body reduces inertia.



ESCAPEMENT

An escapement unit that controls the follow of products in a single action. It offers accuracy and cost performance.



PPU *Pulse-control motor-driven*

A pulse-control motor-driven pick & place unit capable of accurate and high-speed conveyance. It is a high-accuracy PPU designed to ensure high rigidity.



PPU *Cam-driven*

This cam-driven pick & place unit moves objects accurately and conveniently. It comes in a variety of models that are engineered with our accumulated technology. You can choose the model you are looking for and use it for an extended range of applications.



INDEX *Thin-type index unit*

A compact and high-performance unit with a simple mechanism.
It is designed to ensure excellent ease of use with the high rigidity locking and easy direct table mounting.



FLA *Flexible actuator*

Precise feed; fast feed.
This is a compact and highly accurate unit that enables flexible positioning.



ALIGNMENT

Rigid type/buffer type/dust-proof

This is a stepping and cam-driven alignment unit capable of fast and precise positioning using jaws that hold the outside of a workpiece from four directions. It is designed with a compact body in which features are packed.



TOU *Turn over unit*

One drive

This unit is ideal for turning over components at high speed.
It is a space-saving unit that flips a workpiece on the same spot.



INFORMATION

■ How to order	H-1	■ PPU technical support sheet (multi type)	H-6	■ International System of Units	H-11
■ About our digital catalog	H-2	■ PPU technical support sheet (pulse-control motor)	H-7	■ Basic technology behind accurate transport (cam)	H-12
■ Digital catalog request form	H-3	■ INDEX & FLA technical support sheet ..	H-8	■ About our website	H-14
■ Communication sheet	H-4	■ ALU technical support sheet	H-9	■ Discontinued products	H-17
■ PPU technical support sheet (cam)	H-5	■ TOU technical support sheet	H-10	■ Model no. index	H-22

Product Guide Book

General table of contents-1

PIU

Pick up unit



NEW



NEW



NEW

Name	Pick up unit	Pick up unit	Auxiliary guide option
Model No.	PIU2804, PIU2808, PIU2812	PIU4212, PIU4220	PSG28□□/PSG42□□
Feature	Ultra-small/high speed	High load capacity/high speed	High precision support
Stroke (mm)	4/8/12	12/20	4/8/12/20
Page	P-2	P-2	P-12



NEW



NEW

Name	Pick up unit	Motion controller
Model No.	PIU•••MS□	MPC020-PIU
Feature	Stepping & origin sensor	Easy setup
Stroke (mm)	4/8/12/20	—
Page	P-2	P-14

MEPAC

Parallel air chuck



Eco model	Name	Eco (single action)	Eco Mecha (single action)	ECO-Multi (single action)	ECO-Multi (reciprocating)
	Model No.	X9608B, X9610	X9610M	X9608N, X9612N, X9618N	X9608D, X9612D, X9618D
	Feature	Reasonable/compact	Air-less	Compact/sensor	Compact/sensor
	Stroke (mm)	4/6	4	4/6/8	4/6/8
	Page	A-6	A-6	A-14	A-14



Eco model	Name	ECO-Multi Mecha (single action)	Unclamp (motor)	Controller for unclamp unit
	Model No.	X9608M, X9612M, X9618M	UCP2504, UCP3506	MPC010-UCP
	Feature	Air-less/sensor	Motor in combination with ECO-Multi	Super easy
	Stroke (mm)	3/4	3/4/6	—
	Page	A-14	A-24	A-24



Average model	Name	Standard (single action)	Taste (single action)	All-purpose (single action)	Smart (single action)
	Model No.	X95□□	X956□T	X966□	X967□
	Feature	General-purpose/wide variety	High gripping force	Wide stroke	High precision
	Stroke (mm)	4/5/6	8/10	6/8/10/12/16	4/6
	Page	A-30	A-42	A-46	A-52



Average model	Name	Standard (reciprocating)	Taste (reciprocating)	All-purpose (reciprocating)	Smart (reciprocating)
	Model No.	X957□	X957□T	X966□	X967□
	Feature	General-purpose/wide variety	High gripping force	Wide stroke	Low pressure motion
	Stroke (mm)	4/5/6	8/10	6/8/10/12/16	4/6
	Page	A-30	A-42	A-46	A-52



Personality model	Name	Micro (single action)	Short (single action)	Floating (single action)
	Model No.	X960□	X95□□B	X956□FL
	Feature	Ultra-small	Short body/ultra-small	Crash safety
	Stroke (mm)	4	4/6	4/6
	Page	A-56	A-60	A-66

ESCAPE MENT
Escapement



Name	Micro	Standard	High rigidity
Model No.	X9702□	X970□A	X9706B
Feature	High response	Wide variety	High rigidity
Stroke (mm)	5	7/9/14	18
Page	B-4	B-12	B-16

P/U
Pick up unit

MEPAC
Chuck

ESC
Escapement

PPU
Pick & place

INDEX
Thin-type index

FLA
Flexible actuator

ALLU
Alignment

TOU
Turn over unit

Product Guide Book

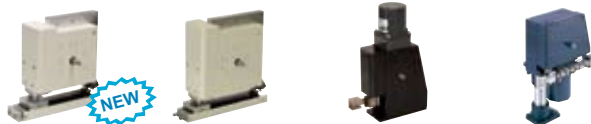
General table of contents-2

PPU
Pick & place unit
(pulse control motor)



Name	Compact	Compact (αSTEP)	Compact (external input)	Motion controller
Model No.	X63□□A	X63□□A-66S	X63□□A-C□□	MPC020-PPU
Feature	Reasonable	Closed loop control	Externally driven	Easy setup
Stroke (mm)	30/50/70/90/110	30/50/70/90/110	30/50/70/90/110	-
Page	C-12	C-12	C-12	C-24

PPU
Pick & place unit
(cam-driven)



Name	Multi	Multi	Economy	Economy
Model No.	PPM090	PPM130	X6092A	X6072A
Feature	Multi-purpose	Multi-purpose	Compact/high speed	Space-saving/high speed
Stroke (mm)	90 x 30	130 x 30/50	80 x 20	80 x 20
Page	C-30	C-30	C-40	C-44



Name	Standard	Standard S	Standard	Standard S
Model No.	X6091A	X6091SA	X6071	X6071S
Feature	General-purpose	Z long stroke	General-purpose	Z long stroke
Stroke (mm)	100 x 30	100 x 50	100 x 30	100 x 50
Page	C-50	C-54	C-58	C-62



Name	Standard W	Standard WS	High load capacity	Overhead
Model No.	X6071W	X6071WS	X6074HS	X6076W
Feature	High rigidity	High rigidity/Z long stroke	High speed/high load capacity	Overhead/high rigidity
Stroke (mm)	100 x 30	100 x 50	100 x 50	100 x 30
Page	C-66	C-70	C-74	C-78



Name	Overhead S	Semi-long	Semi-long S	Semi-long
Model No.	X6076WS	X6094	X6094S	X6074
Feature	Overhead/high rigidity	General-purpose	Z long stroke	General-purpose
Stroke (mm)	100 x 50	160 x 35	160 x 50	160 x 35
Page	C-80	C-86	C-86	C-90



Name	Semi-long S	Mecha-controller	Swivel attachment	External input
Model No.	X6074S	MCR, MSS	CWL, CWR	
Feature	Z long stroke	Easily adjustable between 1 and 6 units	Horizontally turning workpiece 90°	Wide variety
Stroke (mm)	160 x 50			
Page	C-90	C-102	C-106	Page of each model

INDEX

Thin-type index



Name	Standard	High load capacity
Model No.	X301□	X301□W
Feature	Space-saving/adjustable speed	High load capacity
Indexing	4/6	4/6
Page	D-6	D-8

FLA

Flexible actuator



Name	Five-phase motor type	Two-phase motor type
Model No.	X3101	X3102
Feature	High-accuracy positioning	High-accuracy positioning
Indexing	0.1°	0.2°
Page	E-6	E-6

P/U
Pick up unit

MEPAC
Chuck

ESC
Escapement

PPU
Pick & place

INDEX
Thin-type index

FLA
Flexible actuator

ALU
Alignment

TOU
Turn over unit

Product Guide Book

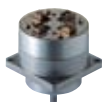
General table of contents-3

ALIGNMENT

Alignment unit



Name	Small rigid	Small rigid connect	Small buffer	Small buffer connect
Model No.	X9103M	X9103C	X9113M	X9113C
Feature	Ultra-small/high speed	Externally driven	Outer diameter buffer/ high speed	Externally driven
Stroke (mm)	3	3	3	3
Page	F-6	F-6	F-6	F-6



Name	Rigid	Rigid connect	Buffer	Buffer connect
Model No.	X9106M	X9106C	X9116M	X9116C
Feature	Compact/high speed	Externally driven	Outer diameter buffer/ high speed	Externally driven
Stroke (mm)	6	6	6	6
Page	F-12	F-12	F-16	F-16

TOU

Turn over unit



Name	One drive	One drive	One drive	One drive
Model No.	X6410	X6412	X6414	X6416
Feature	High speed/easy control	High speed/easy control	High speed/long stroke	High speed/long stroke
Stroke (mm)	8	16	32	48
Page	G-6	G-6	G-6	G-6

Please visit our website



Pick & place unit

Alignment unit

Name	Long	Flexible	Dust-proof rigid	Dust-proof buffer
Model No.	X6085	X6091F	X9107M	X9117M
Feature	General-purpose	X/Z stroke variable	Enhanced dust-proof performance	Centering buffer
Page	Product page H-14		About our website H-16	