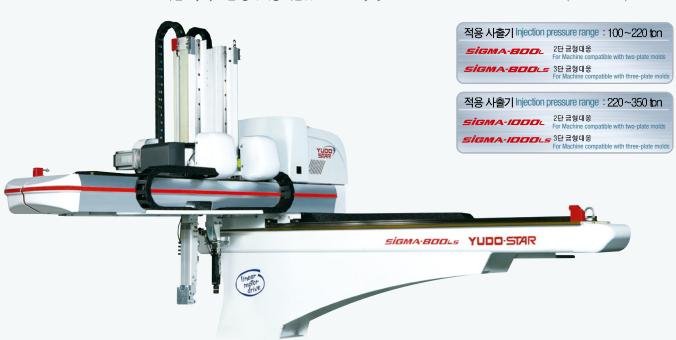
Linear Servo 적용의 취출로보트-고속/고정밀

The new standard of Linear servo robot-Higher speed, Higher accuracy

SIGMA-L Series



표기된 Dry cycle은 당사 측정 기준임. Above dry cycle time is based on YUDO measurement (SIGMA-800L)



공통 사양 | Common Specifications

전 원	사용압력	구동 빙)식 Driving i	method	Posture	반복정밀도(mm)	컨트롤러	
Power source	Air pressure	Vertical	Crosswise	Traverse		Repeatability	Controller	
AC220V \pm 10%, 50/60Hz	0.5MPa(5kgf/cm ²)	AC servo	Linear	Motor	Air cylinder 90° fixed	±0.01	YUCON-400	

일반사양 | General Specification

MODEL		Stroke(mm)		공기 소모럥(N ∜Cycle)	전원설비용량(kVA)	가반 중량 (kg)	Dry cycle(sec)		
MODEL	Vertical	Crosswise	Traverse	Air consumption	Max. power consumption	Max. Payload	Take-out	All	
SIGMA-800L	800	130~670	1400	2.9	3.4	5	1.0	4.4	
SIGMA-800LS	P: 800 R: 850	P: 280~670 R: 135~645	1400	3.0	4.6	. 3	1.0	5.3	
SIGMA-1000L	1000	110~880	1600	2.9	3.4	5	1.1	5.5	
SIGMA-1000Ls	P: 1000 R: 1050	P: 260~770 R: 280~770	1600	3.0	4.6	5	1.1	6.3	

P: 제품측 (Product side) ®: 런너측 (Runner side) ★ Dy-cycle 측정은 당사 규정에 준함. All timer set is based on 0 ejector time.

Linear Motor

■ 직선운동에 의한 고속동작 가능

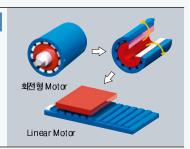
High Speed: Only the bus voltage and the speed of the control electronics limit the maximum speed.

■Backlash가 없는정밀위치 제어

Zero Backlash: Without mechanical transmission components, there is no backlash Deadman Switches with 3 shifts

- 구조가 간단하고 마찰 운동부분이 없어반영구적인 수명 Maintenance free operation: Because linear motors have no contact between the two moving bodies, therefore, they have long and virtually maintenance free life.
- 구동소음의감소

Low Noise: Because of no fraction between moving parts, there are almost no ways that noise can be produced.





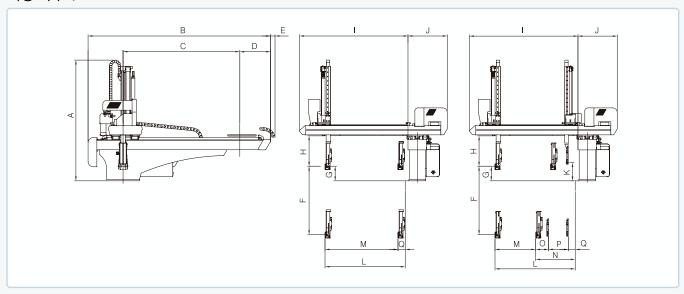








외형 치수 | Outer Dimensions



Model	외형치수(mm) Outer dimension																
	Α	В	С	D	E	F	G	Н	1	J	K	L	М	N	0	Р	Q
SIGMA-800L	1347	2124	1400	362	-	800	200	358	1090	517	-	800	520	280	140	520	140
SIGMA-800LS	1347	2124	1400	362	-	800	200	358	1090	517	250	800	520	280	140	520	140
SIGMA-1000L	1447	2324	1600	362	-	1000	200	358	1090	517	-	800	520	280	140	520	140
SIGMA-1000Ls	1447	2324	1600	362	-	1000	200	358	1090	517	250	800	520	280	140	520	140



편리한기능의 5.7인치 컬러 터치 스크린빙식 Easy Operation-LCD Touch Pendant

YUCON-400 Pendant

- Pendant 를 시용한 간편하고 정밀한 Stroke 제어 Accurate positioning control by Pendant
- 최대 99Point의 낙하 위치의 조정이 가능하여 2차 자동화의연계가 용이

99 different releasing point available which make it easy for following process

- 인전성 향상 3단 동작 스위치 적용 Secured operation by 3 steps Dead-man switch.
- Alarm 이력 기능 Alarm history function
- 최대 50개의 금형 메모리 기능 memory for 50 different molds available
- 다국어 지원 컬러 터치 스크린 펜던트 (5.7°) (기본: 한글/영어)

English/Korean display available in Color LCD touch screen panel

표준기능 | Standard Functions

■ 제품취출 Mode Product extracting mode

■ Runner 취출Mode Runner extracting mode

■ 취출측전진대기 Advanced positioning at product extract side

■ Ejector 연동
Linked movement with the ejector of I.M.M

■ 제품낙하위치선택 Packing mode ■ 고정측취출

Extracting from fixed mold

■ 주행도중자세 제어 Posture control during moving on traverse

■ 주행 대기 Delayed traverse

■ 취출측전진 자세제어
Posture control at product extract side

■ 낙하측하강 Descent at release side ■ 주행 전진시Sprue처리 기능

■ 주행 복귀시Sprue처리 기능 Sprue placement during returning on traverse

■ LS4-Bar 제품감지장치(기구별도)

Sprue placement during moving on traverse

Sensing product confirmation LS4-bar (part optional)

■ 척내 제품확인 회로

Product confirmation in chuck

■ 진공 흡착확인

Vacuum confirmation

■ 이형제 분사 장치(기구별도)

Spray for easy take-out (part optional)

■ 제품 형내 낙하

Product release within mold