

● INJECTION PRESS RANGE: 350-600 TON ●

Digital AC SERVO Robot Series

SAIL-1200-4

SAIL-1200S-4



COMMON SPECIFICATIONS

Power Source	Air Pressure	Drive	Posture (air cylinder)	Recommended Max Load	Posture Torque @ 70 PSI	Control Types
200-220 VAC $\pm$ 10% 3 Phase, 50/60Hz	70 psi (.48 MPa)	AC Servo Motor	90°	22 lbs (10 kg)	43.52 ft-lbs (59.0 N·m)	STEC-NC2c

GENERAL SPECIFICATIONS

Model	Stroke				Electric Consumption (kVA)	Max Power Consumption (kW)	Main Body Weight	Air Consumption
	(P) Vertical	(R) Vertical	Crosswise	Traverse				
SAIL-1200-4	47.24" (1200 mm)	N/A	46.45" (1180 mm)	78.74" (2000 mm)	2.9	1.7	1008 lbs (457 kg)	0.118 ft³ (9.62 NI / Cycle)
SAIL-1200S-4	47.24" (1200 mm)	49.21" (1250 mm)	39.76" (1010 mm)	78.74" (2000 mm)	4.5	2.7	1105 lbs (501 kg)	0.118 ft³ (9.62 NI / Cycle)

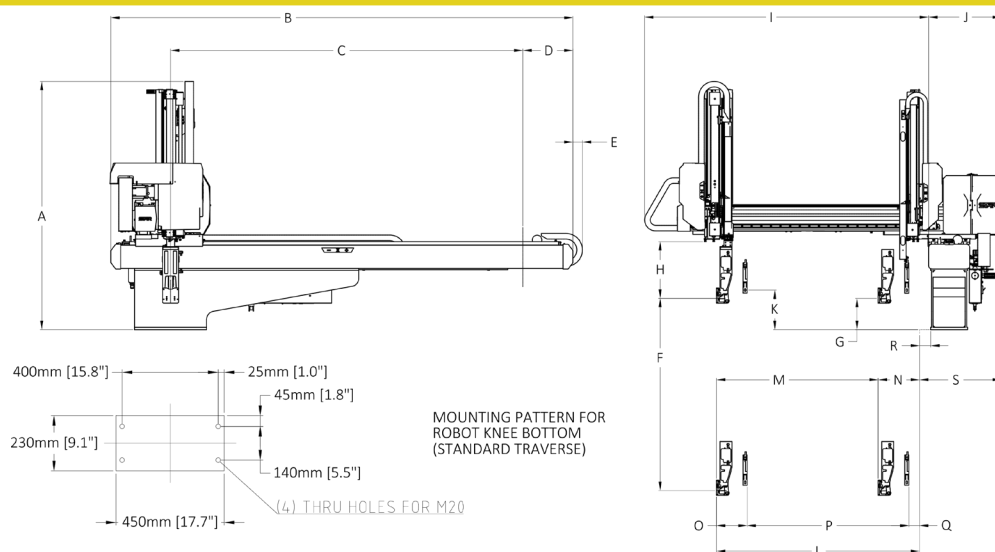
STANDARD FEATURE

Vacuum Generator with Part Present Sensor
Part Grip Circuit
Sprue Grip Circuit
Free Packaging
Sample and Chuck Change Positons
Product Packaging (256 each axis)
CNC Step Programming
SD Memory Card
CPC® and AMP® Connections at the Head
Active Vibration Control
IMM Mounting Weldment
Multi- Level Password Protection
Position, Speed and Timer Adjust in Auto
Alarm History
LM Bearings w/ Zerk Fittings

OPTION LIST

Additional Vacuum Generator with Part Present Sensor
Additional Part Grip
Nipper on Chuck
Rotation 90°, 180° 2-Position, 180° 3-Position
Shuttle on Tool
Mold Spray
Air Blow
1-3 Color Alarm Light
Special Paint
Central Lube
Central Lube
Expansion I/O 16 in/out
Quick Chuck Change

OVERALL DIMENSIONS



		SAII-1200-4	SAII-1200S-4
A	Overall Height	61.06" (1551mm)	61.06" (1551mm)
B	Overall Width	113.62" (2886mm)	113.62" (2886mm)
C	Traverse Stroke	78.74" (2000mm)	78.74" (2000mm)
D	Overhang, Release Side	12.32" (313mm)	12.32" (313mm)
E	Cable Guide Overhang	2.32" (59mm)	2.32" (59mm)
F	(P) Vertical Stroke	47.24" (1200mm)	47.24" (1200mm)
G	(P) Vertical Standby	7.72" (196mm)	7.72" (196mm)
H	Bottom of Crosswise to Chuck Mount Postion	13.94" (354mm)	13.94" (354mm)
I	Mold Mounting Face - Crosswise Arm End	69.80" (1773mm)	69.80" (1773mm)
J	Mold Mounting Face - Box End	17.95" (456mm)	17.95" (456mm)
K	(R) Vertical Standby	-	9.69" (246mm)
L	(P) Crosswise Reach Max.	49.92" (1268mm)	49.92" (1268mm)
M	(P) Crosswise Stroke Max.	46.45" (1180mm)	39.76" (1010mm)
N	(P) Crosswise Standby Min.	3.46" (88mm)	10.16" (258mm)
O	(P) Proximity Min.	-	7.52" (191mm)
P	(R) Crosswise Stroke Max.	-	39.76" (1010mm)
Q	(R) Crosswise Standby Min.	-	2.64" (67mm)
R	Base Offset	2.75" (70mm)	2.75" (70mm)
S	Box End - Crosswise Arm End	20.16" (512mm)	20.16" (512mm)

All stated here is subject to change without notice.



STAR AUTOMATION, INC

Wisconsin (HQ)

N90 W14401 Commerce Drive
Menomonee Falls, WI 53051
Phone: 262-253-3550
Fax: 262-253-3559
Email: kscheife@starautomation.com

California

18141 Beach Blvd. Unit 195
Huntington Beach, CA 92648
Phone: 714-375-2400
Fax: 714-375-2446
Email: ryamasaki@starautomation.com

Georgia

5555 Oakbrook Parkway Suite 320
Norcross, GA 30093
Phone: 770-582-9350
Fax: 770-582-9351
Email: chebert@starautomation.com

Indiana

5625 Vogel Road Unit B
Evansville, IN 47715
Phone: 812-475-9947
Fax: 812-475-9949
Email: sberry@starautomation.com

Michigan

17197 North Laurel Park Dr. Suite 125
Livonia, MI 48152
Phone: 734-462-9522
Fax: 734-462-9527
Email: tsukuda@starautomation.com

Rhode Island

860A Waterman Avenue
Providence, RI 02914
Phone: 401-434-0617
Fax: 401-434-0627
Email: sales@starautomation.com

Tennessee

Sales Phone: 678-428-4202
Service Phone: 615-796-5670
Email: chebert@starautomation.com

Star Seiki Mexico S.A. De C.V.

Blvd Bernardo Quintana #7001
Torre II Oficina 1004 Colonia Centro Sur,
Queretaro, CP. 76090 Mexico
Phone: +52-442-199-5180
Email: knomura@starseikimexico.com