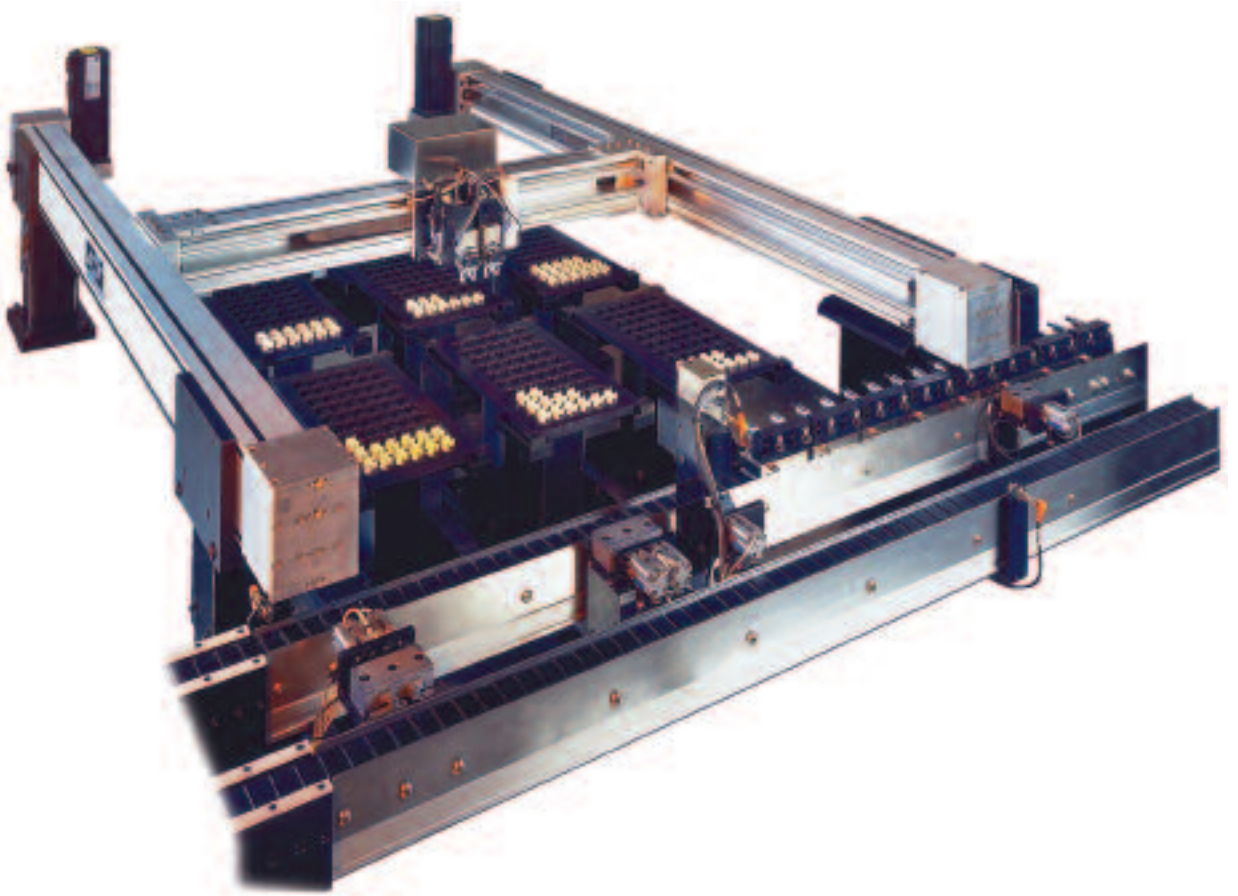




**Superbot™**



## Description

The ATS Superbot™ is a new class of automated material handling technology from ATS. The Superbot is a Cartesian robot capable of high speed at a competitive price. It features a 95% usable work envelope, a much higher percentage than Scara style robots. The servo motors are fixed to the frame in a variety of configurations, providing a reduction in gantry weight and increased speed. The Superbot can be configured for a wide range of applications such as assembly, dispensing, testing, laser welding, screw driving and tray handling. And with the Superbot robot you only purchase the number of axes necessary.

## Specifications

Product name:	Superbot™
Version:	H or S type Gantry
Axis:	Dual
Motors:	Servo
Design:	Cartesian
Drive:	Belt
Operator Interface:	MACs, A-B or Siemens
Motion Controller:	Industry standard
Machine Controller:	Industry standard
Programming:	Teach mode or PLC / Computer
Repeatability:	± 0.04 mm (± 0.001 inch)
Velocity:	3.5 m/s (138 in/sec)
Acceleration:	2 G max
User Input	21
Output	16
EOAT:	10 kg (22 lbs)
Power:	120 Volt, single phase, 50 / 60 HZ
Noise level:	<70 db
Operating Pressure (Bar):	80 psi / 5.5 bar

## Features

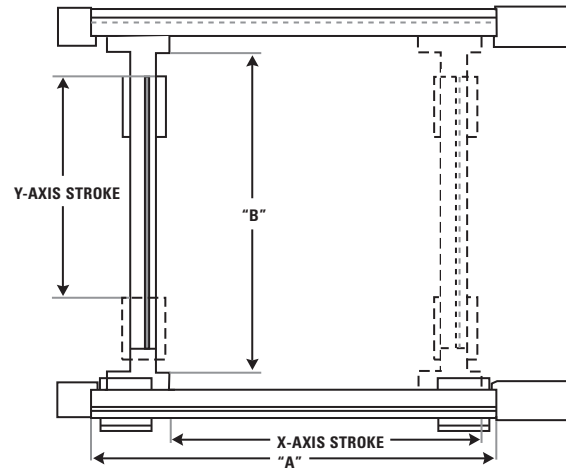
- Scalable to required work envelope
- Speed programmable to required cycle times
- Safety certification includes OSHA, CSA or optional CE
- Ease of maintenance
- Industry-standard replacement parts offer ease of maintenance and lower the cost of ownership
- Rectangular work envelope
- Competitive price
- Available in H and S configurations
- Integrated auto-lubrication mechanism

## Options

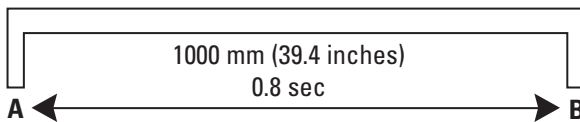
- Servo picking tools (pneumatic standard)
- Tray handler device
- A variety of motion controllers available
- Multiple tooling plates

X-AXIS STROKE (mm)	"A" (mm)	Y-AXIS STROKE (mm)	"B" (mm)
340	640	160	460
520	820	340	640
700	1000	520	820
1000	1300	700	1000
1300	1600	1000	1300
		1300	1600

\* Larger sizes available on request

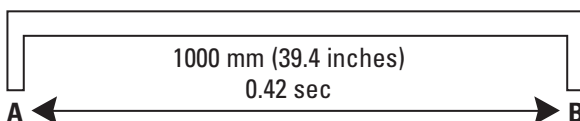


### Superbot™ H-bot Speed Benchmark



A to B to A with 5 kg (11 lb) payload

### Superbot™ S-bot Speed Benchmark



A to B to A with 5 kg (11 lb) payload

Contact ATS directly for custom applications or for product specific applications beyond the scope of this document.



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