

Autoload MK4.0 for Speed Fasteners

Increases Blind Fastening Productivity in High Volume Environments

Avdel developed the dynamic Autoload feature for our Speed Fastening® system to increase blind fastening productivity by up to 75%. The Autoload system is ideal for high volume production environments, capable of delivering up to 48 fasteners per minute directly to the nosepiece of the assembly tool. When the fasteners on one mandrel are spent, the assembly tool automatically inserts a fully loaded replacement into the system—a process that takes six seconds instead of the conventional, manual-load system's 30 seconds.

Features

- Automated fastener installation system
- Compact design suited for many applications
- Quick mandrel reload time
- Ergonomic nesting design for tool loading
- User-friendly operator interface
- Modular machine design

Benefits

- Increases productivity, lower assembly costs
- Quick and simple integration into assembly lines
- Fasteners always available to operator
- Minimized strain on shoulder area of operator
- Simple fault diagnostics
- Multiple handtool options to meet application constraints
- Configurable for multiple speed fastener types

Specifications

Cycle Time	Mandrel-to-Mandrel Time	6 sec
	Rivet Load Time	1 sec
	Rivet-to-Rivet Time	1 sec
Air Supply Pressure		90 psi
Free Air Volume		12 scfm
Weight (entire system)		468 lbs
Dimensions L x W x H		706 x 664 x 1100 mm
Handtool Umbilical Lengths		
	4 meter (3.6 meter usable length)	
	6 meter (5.6 meter usable length)	

Placing capability

Briv®, Rivscrew® and Chobert® speed fasteners in many standard sizes as well as the capability of custom engineered speed fasteners for your specific application. Please contact us for the range of sizes for each fastener.



Handtool Options



7530 Standard Speed Fastening® Tool



7534 Short Speed Fastening® Tool

The 753 line of low maintenance power tools offers repetitive, multiple fastening feed for high speed, consistent blind side installation to increase productivity.



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BREAKTHROUGH SOLUTION

Reducing Assembly Line Bottlenecks

An Avdel automotive OEM customer was using standard thread forming screws and handheld installation tools to attach reveal molding to door headers. Even though our customer created three “spurs” in the production line to accommodate its throughput rate target, this process created major manufacturing bottlenecks. In addition to decreased throughput, the process resulted in paint mutilation from worn drive bits slipping out of the tool’s drive recess and “squeak and rattle” from fasteners dropped inside doors by operators.

Avdel applications engineers developed a complete solution for all three challenges. By using our Briv® fasteners and our Speed Fastening® system with our Autoload feature, our customer was able to eliminate one “spur” in the production line. This enabled the manufacturer to deploy labor resources more effectively. And since the fasteners are captured in the Autoload tool, the number of dropped fasteners and incidences of paint mutilation were minimized.

This complete solution saved our OEM customer \$0.85 per vehicle.



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