AIMCO® FRANCHISE TOOLS

Discover Value With AIMCO® Franchise Tools

Powered with shop air, each Franchise Tool hooks to any existing crane & hoist and connects to air at the trolley wheel. Festoon an airline along the crane and we will meet you at the trolley with an AIMCO® supplied coiled airline that extends and retracts with the hoist chain.

By building high quality, durable equipment with straight forward controls, AIMCO® lifting solutions elevates you above the competition. Our engineering, fabrication, quality control and customer service are all held to our own high standards, ensuring that when you invest in our products, your company will uncover vast amounts of value.

SALES & SERVICE:

BARNES & ASSOCIATES
Be-Ergonomic.com

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FRANCHISE TOOLS

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Take a glimpse at just a portion of what is in store for you when you choose AIMCO®:

Direct Benefits:
- Injury Reduction
- Increased Productivity
- Prevent Long Term Injuries
- Improved Employee Moral
- Reduce Operator Fatigue

Prevent Indirect Costs:
- Loss of Future Production
- Increased Insurance Premiums
- Attorney Fees
- Personal Impact
- Company Safety Ratings
- Turnover
- Missed Deliveries

Eliminating Direct Costs:
- Incident Investigation
- Doctor and Hospital Bills
- Compensation for the Injured Person
- OSHA Fines
- Damaged Product or Equipment
- Clean Up
- Loss of Production

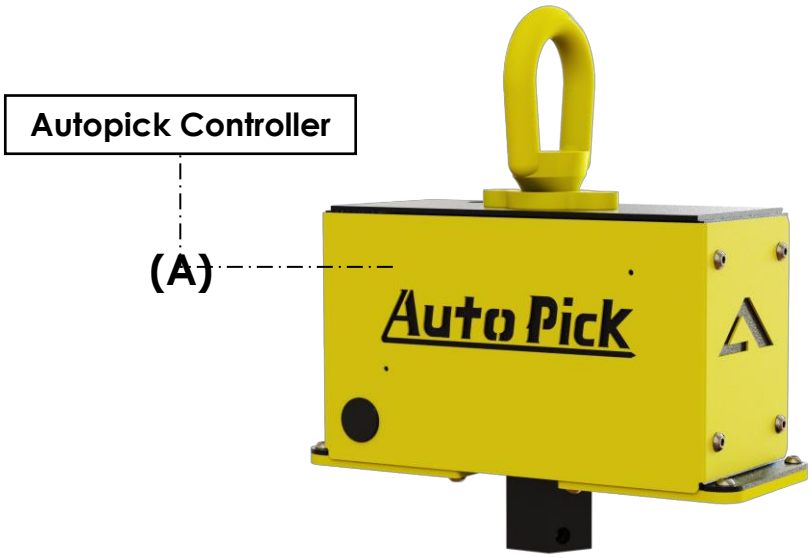
Boost Quality & Safety When You Choose AIMCO®

As an **ISO 9001:2015** certified business, AIMCO's commitment to the service of our customers is our number one priority. We go above and beyond to prove our excellence as a company, and it shows by the numerous awards we have received regarding our service, including: the **Owens Corning Safety of the Year Award**, **Conformance to ASME Below the Hook Standards,** and the **Fisher Supplier Excellence Award**.

Especially when it comes to safety, we understand that your business can't afford to gamble with quality. Our facilities manufacture lifting equipment with your employees' welfare in mind, and ultimately reduce injuries nationwide, making AIMCO the most trustworthy company you can partner with.

Let us help you take your business to the next level!

CONTROLLERS



(A) Advantages

Built-in Safety Set-Down Interlock (Anti-Drop)

Buttonless Controller; Removes the task of (the operator) pushing buttons to grab and release the part

Inherently ergonomic, particularly on high stacks where an operator can grab or release a workpiece without having their hands on the end tool

Short stack-up height

Most airlines and all pneumatic valves are protected inside an air logic enclosure

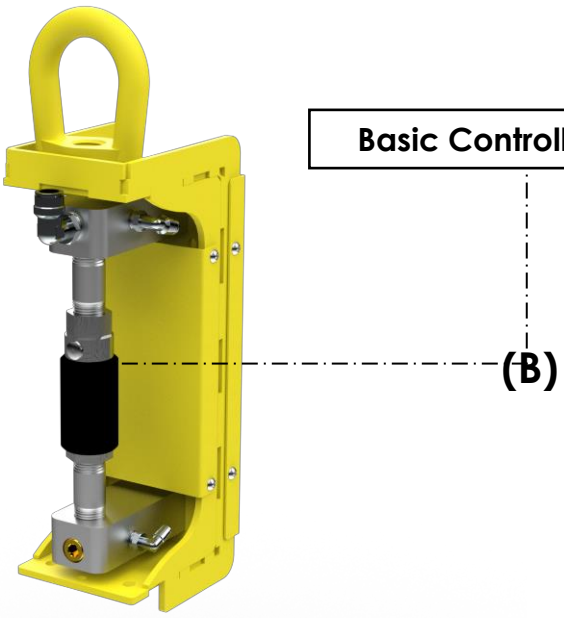
(B) Advantages

Operator has more control over when the part is grabbed and when it is released

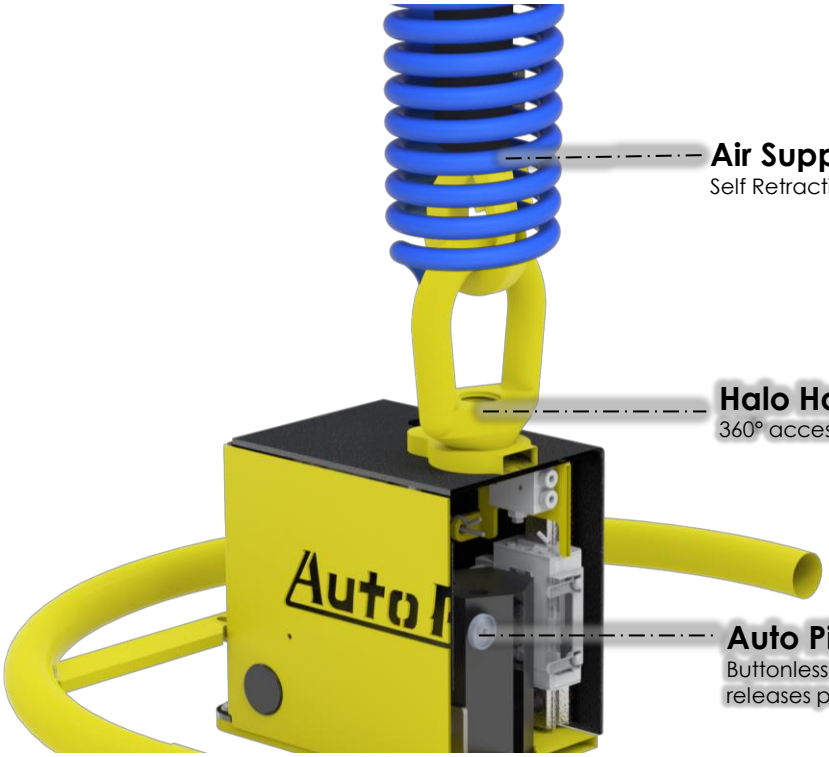
Includes a dual-task release function to prevent accidental drops of delicate loads

Only weighs 7 lbs. which minimizes total dead weight of the end tool

Most airlines and all pneumatic valves are protected inside an air logic enclosure



CONTROLLER FEATURES



Air Supply Line
Self Retracting Coiled Airline

Halo Handle
360° access

Auto Pick
Buttonless Controller, automatically grabs and releases parts for quick and intuitive operation

Heavy Duty Hoist Ring
Fits most electric hoist safety latch hooks, even the multi-ton versions

BasicSVC
Slide Valve Controller with one-hand operation and dual-task release

Robust Manifold Blocks
Protect air passages and minimize exposed airlines

VACUUM SPECIFICATIONS

Power requirements for Vacuum

90 PSI clean, dry air – It is recommended that a filter regulator be placed between the incoming air and the manipulator. Filter must remove particles down to 40 microns. No lubrication; seals are pre-lubricated for life and any external lubrication may disrupt component life expectancy. Maximum amount of air flow consumed is 24 CFM.

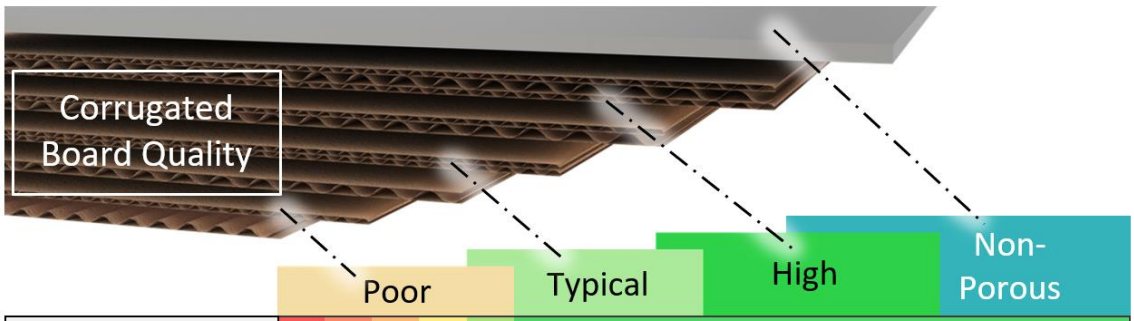
Vacuum Capacity

Your tool's capacity is based on the quality of your lifting seal. This vacuum seal is measured in inches of Mercury (inHg). Each tool meets or exceeds **ASME BTH-1** standards, including a minimum **2.5 : 1** Factor of Safety.

Seal Quality (inHg)		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1V	Capacity (LBS) 2.5:1 FS	44	48	53	58	63	68	73	78	82	87	92	97	102	107	112	116	121
2V		43	47	52	57	61	66	71	76	80	85	90	95	99	104	109	114	118
4V		59	66	73	79	86	93	99	106	112	119	126	132	139	145	150	150	150

Vacuum Factor of Safety

Vacuum seals will vary between different material types based upon the load's porosity and surface finish. Reference the chart below for common seal ratings and the resulting Factors of Safety when lifting a 60 LBS Load.



Seal Quality (inHg)			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1V	Safety Factor (X : 1) 60 Lbs	ASME BTH-1	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8
2V			1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.7
4V		Owner's	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.2	5.5	5.8	6.1	6.3	6.6

VACUUM USAGE

Recommended Applications By Industry

- Packaging – Corrugated board or plastic boxes and crates
- Fabrication – Sheet metal and plates, square tubes, round pipe minimum 12" diameter
- Home building –countertops, sinks, windows, doors, tables, paneling, cabinets, appliances, or other wood, metal, or stone items
- Automotive – Panels, windows, windshield
- Chemical – 5-gallon pails (with fixed lid), plastic, fibrous, or steel drums (with fixed lid)

Grab and Release Stationary Objects Only

- Moving objects on conveyors creates difficulties in aligning the end tool to the workpiece and is more likely to unintentionally trigger the state of the Auto Pick controller

Vacuum Considerations

Surface Finish – The smoother the surface, the more reliable the vacuum seal
Load Rigidity – Rigidity may cause uneven loading of individual vacuum cups
Load Strength – Stress caused by the load and the vacuum cups may damage the load. Example: thin shrink wrap may be stretched or torn by the vacuum suction or the weight of the load.
Load Surface – Rough and uneven surfaces can affect the vacuum cup's attachment or seal
Load Overhang – Large overhangs may cause the load to deflect and peel away from the vacuum cup, causing load damage
Angle of the Load – The effect of the coefficient of friction between the load and vacuum pad is more important when the load is not horizontal
Number of Pads – Use more pads to support less rigid load from collapsing under their own weight
Load Temperature – Higher temperatures can damage the pads or affect their function
Elevation – Higher elevations can reduce the level of vacuum under the cups
Load Condition - Be aware of break down caused by exposure to moisture, age, extreme temperatures, chemicals, and pressure.
Degradation causes porosity through holes and cracks forming and/or a loss of rigidity causing breaking, bending, and tearing of cardboard which may cause the load to either peal away from suction or collapse under its own weight.

Hoist Integration

- Minimum hoist capacity to operate tooling at full capacity is 500 lbs.
- 50 ft per minute hoist speed or less is recommended; greater speeds are known to have damaging effects on below-the-hook devices

Maximum Load Size

- Single cup configuration is recommended for handling of loads with a footprint smaller than 1.5ft x 1.5ft
- Two cup configuration is recommended for handling of loads with a footprint smaller than 2ft x 4ft
- Four cup configuration is recommended for handling of loads with a footprint smaller than 3ft x 6ft

Maintenance

Service Check	Method	Frequency	Action
Deformation, cracks, or excessive wear of any component of the lifter	Visual	At start of shift	Lockout/tagout, request replacement part
Loose or missing guards, fasteners, covers, stops, or nameplates	Visual	At start of shift	Replace as necessary
Check all pneumatic and vacuum hoses for cuts, kinks, or collapsed areas	Visual	At start of shift	Replace as necessary
All pneumatic and vacuum fittings and connections for leakage	Auditory & Visual	Monthly	Trim 1/4" from hose end and refit, tighten or replace fitting
All vacuum cups for cuts, tears, excessive wear, and foreign matter	Visual	At start of shift	Wipe pad with cloth or replace as necessary
Loose bolts and fasteners	Function	At start of shift	Retorque or replace as necessary
Air Filter Regulator	Function	12 - 24 months	Replace as necessary