AIR VISE & WORKHOLDING

MADE IN THE USA

VISES | JAWS | AUTOMATION | KITS

AUTOMATE YOUR SHOP.

LESS SETUP. MORE CUTTING.



REPEATABLE ACCURACY

CONSISTENT CLAMPING FORCE

FASTER CHANGEOVERS

AUTOMATION READY

COMPACT FOOTPRINT

AIRVISE.COM | INFO@AIRVISE.COM | 866-836-0961

SELF-CENTERING

AIR VISE TABLE VISE

AV-T-4 / AV-T-6 | PNEUMATIC | SELF-CENTERING

The Air Vise Table Vise is a pneumatic self-centering vise platform engineered to reduce load time and improve consistency.

It delivers repeatable clamping with minimal setup in manual, M-code, or robotic applications—ideal for modern machining environments.



SELF-CENTERING ACCURACY
Repeatable part positioning every cycle.

CONSISTENT CLAMPING FORCE
Air-driven force eliminates operator variability.

FAST LOAD / UNLOAD
Reduce part changeover time by up to 60%.

AUTOMATION READY
Operate via M-codes or robotic control.

COMPACT FOOTPRINT
Mount multiple vises and maximize table usage.

TECHNICAL SPECIFICATIONS

FOOTPRINT	5.980" × 5.980"
JAW WIDTH OPTIONS	4.00" OR 6.00"
THROAT DEPTH	15/16"
OVERALL STROKE	0.170"
CLAMPING TYPE	SELF-CENTERING, OD & ID CLAMPING
ACTUATION	PNEUMATIC — AIR OPEN / AIR CLOSE
OPERATING PRESSURE	50–120 PSI
CLAMPING FORCE	~2,500 LBF @ 100 PSI
MATERIAL	ANODIZED ALUMINUM & HEAT-TREATED STEEL
MOUNTING	MOUNTING HARDWARE INCLUDED
ORIGIN	MADE IN THE U.S.A.

BUILT FOR MODERN MACHINING ENVIRONMENTS

LESS SETUP. MORE CUTTING.

HIGH-MIX / LOW-VOLUME PRODUCTION

LIGHTS-OUT MACHINING

3, 4 & 5-AXIS APPLICATIONS

SAVE TIME EVERY CYCLE

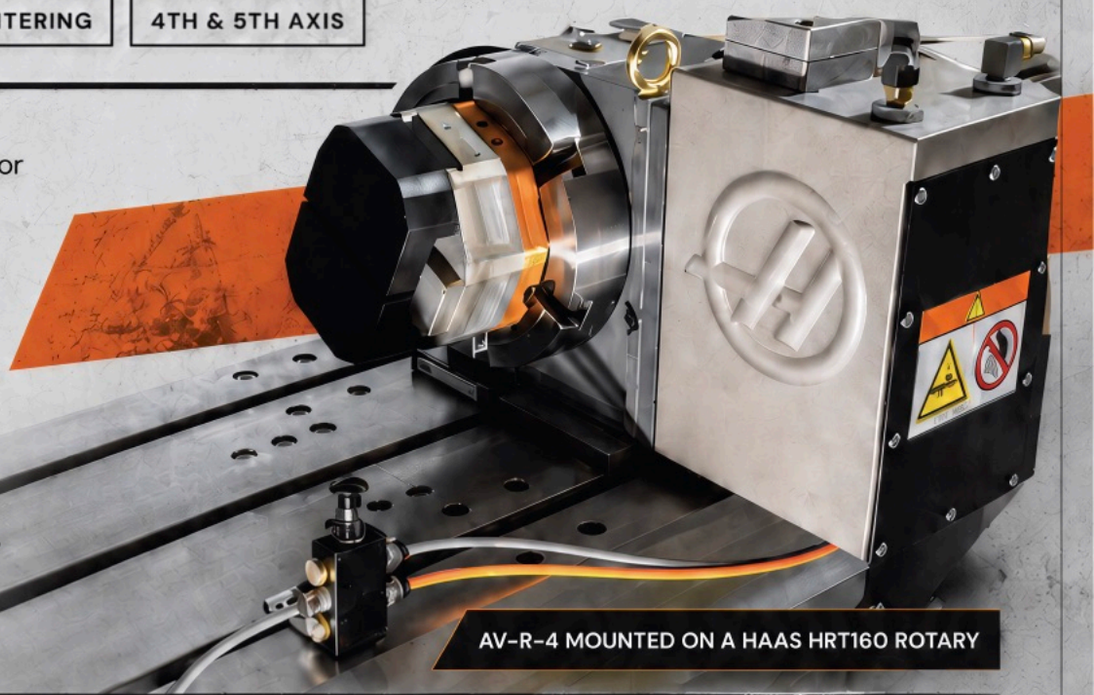
1,000 PARTS	~4 HOURS SAVED
3,500 PARTS	~14.5 HOURS SAVED

ENGINEERED FOR 4TH & 5TH AXIS MACHINING

AIR VISE ROTARY VISE

AV-R-4 | PNEUMATIC | SELF-CENTERING | 4TH & 5TH AXIS

The **Air Vise** Rotary Vise is designed for both 4-axis and 5-axis applications, delivering fast, repeatable clamping with one-touch pneumatic actuation. Built for precision, efficiency, and seamless integration, it reduces setup time and increases productivity across every cycle.



AV-R-4 MOUNTED ON A HAAS HRT160 ROTARY

QUICK CHANGE JAWS
Change jaws in seconds

CONSISTENT CLAMPING FORCE
Air-driven force eliminates operator variability.

AUTOMATION READY
Reduce part changeover time by up to 60%.

4TH AND 5TH AXIS READY
Operate via M-codes or robotic control.

COMPACT FOOTPRINT
Mount multiple vises and maximize table usage.

TECHNICAL SPECIFICATIONS

MODEL	AV-R-4
FOOTPRINT	6.000 IN × 6.000 IN
JAW WIDTH	4.00" AND 6.00" OPTIONS
THROAT DEPTH	15/16 IN
CLAMPING TYPE	SELF-CENTERING, OD & ID CLAMPING
ACTUATION	PNEUMATIC — AIR OPEN / AIR CLOSE
MATERIAL	ANODIZED ALUMINUM & HEAT-TREATED STEEL
MOUNTING	MOUNTING HARDWARE INCLUDED
ORIGIN	MADE IN THE U.S.A.

BUILT FOR EFFICIENCY

MORE SPINDLE TIME. LESS OPERATOR INTERVENTION.

- ✓ Reduce changeover time
- ✓ Improve repeatability
- ✓ Boost rotary productivity

BUILT FOR 4-AXIS AND 5-AXIS MACHINING.



AIR VISE & WORKHOLDING

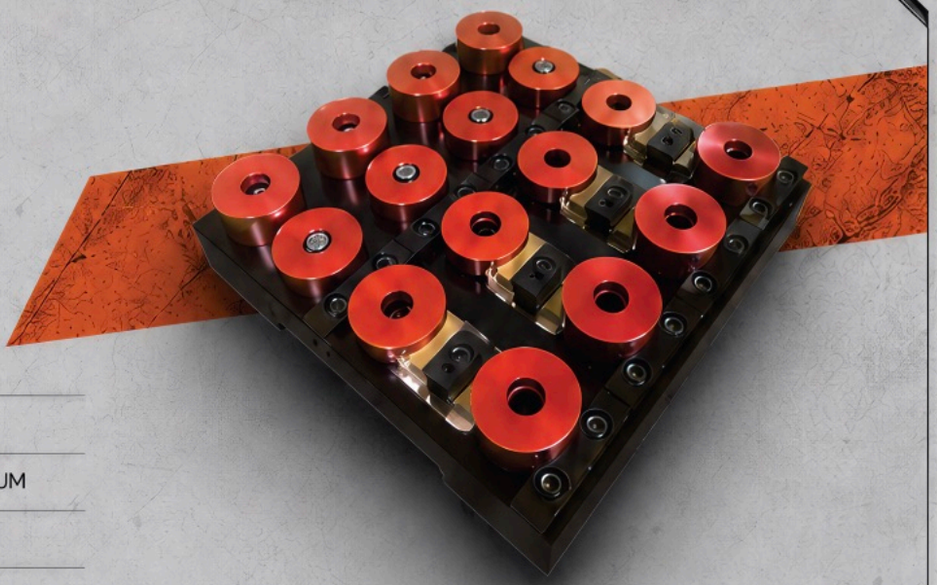
COMPLETE THE SYSTEM

PALLET KIT / AV-WH-PK

QUICK-CHANGE PALLET SYSTEM

Convert your Air Vise into a quick-change fixture system. Remove the jaws, swap pallets, and get back to machining — in under 15 seconds.

PALLET SIZE	8.000 IN x 8.000 IN
MATERIAL	ANODIZED 7075 ALUMINUM
CHANGEOVER TIME	< 15 SEC
Y REPEATABILITY	.0005 IN
X REPEATABILITY	.001 – .003 IN (–.001 IN W/ MILL STOP)



LOAD OFFLINE. SWAP IN.

NO-TOOL CONVERSION
Remove jaws, slide on pallet, and clamp in seconds.

QUICK PALLET SWAP
Swap loaded pallets in less than 15 seconds.

MULTI-PART FIXTURING
Fixture multiple pieces at the same time.

AUTOMATION READY
Operator friendly today. Ready for automation tomorrow.

MADE IN THE U.S.A.
Built for modern American machine shops.

OPERATION KITS CONTROL OPTIONS



AV-ACC-MK

MANUAL OPERATION KIT
Push-pull valve control, mounted inside or outside the machine. Includes 20' air supply tubing, all required fittings, push-pull air valve, valve mufflers, regulator and gauge.



AV-ACC-SK

DUAL SOLENOID KIT
Used for automated or lights-out manufacturing. Includes two 2-position 24V DC solenoids, air regulator, 20' of tubing, 6' of 4-strand cable, and a compact housing that magnetically attaches to the side of your machine.



AV-ACC-FP

FOOT PEDAL OPERATION KIT
Hands-free operation outside the CNC for assembly and second ops. Spring-return pedal with protective cover, 20' tubing, pneumatic fittings, regulator and gauge.

AUTOMATION-READY LINEUP

NEW FOR 2026

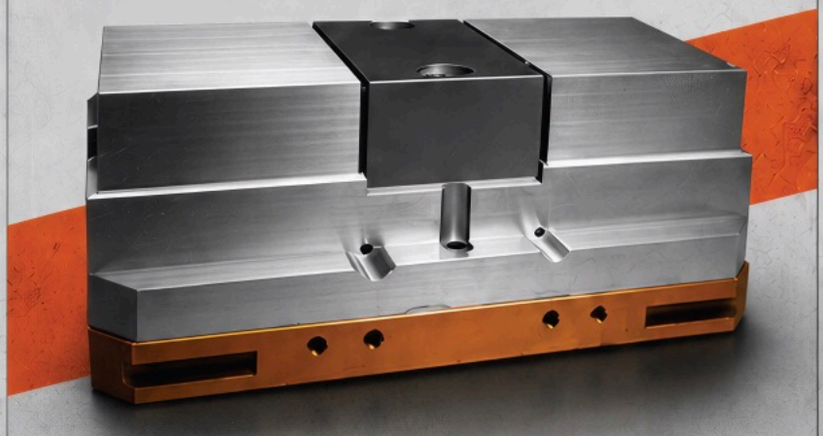
SEE FULL AIR VISE PRODUCT LINE-UP

NEW / AV-T-DS

DUAL-STATION AIR VISE

Actuate both jaws simultaneously or independently, depending on job requirements. Maximize production by putting more parts in front of the spindle.

FOOTPRINT	7.75" x 13.25"
JAW WIDTH	6" only • 4.98" top height
MOUNTING	96 mm pull-stud pattern
OPERATION	Air open / air close



- ✓ Fixed center jaws for consistent location
- ✓ Reversible machinable jaws support multiple parts
- ✓ Quick-change, automation-ready design

NEW / AV-52-1000

52MM ZERO-POINT PLATE

Air-open, spring-close operation for fast and reliable fixture changes. Air ports on the bottom and side accommodate different machine setup requirements. Uses Raptor Workholding 52 mm pull studs.

52 MM | PNEUMATIC | AUTOMATION



CHANGE FIXTURES WITHOUT THE WAIT.

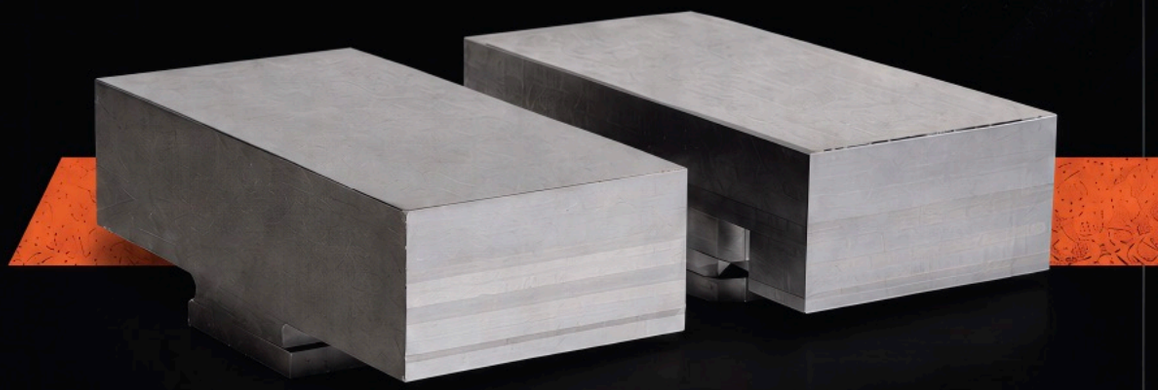
Built for rapid setup changes and consistent repeatability.

- ✓ Compact zero-point footprint
- ✓ Ready for robotic and M-code control

TABLE & ROTARY VISE JAW OPTIONS

AIR VISE JAWS

Swap jaw sizes and materials in seconds with the Air Vise quick-change jaw design. Available in 4" and 6" widths. Anodized 7075 aluminum and 1018 steel soft jaw options, all with a 15/16" throat depth.



4" & 6" WIDTHS
Choose the jaw width that fits your setup.

ALUMINUM & STEEL
Available in anodized 7075 or 1018 steel.

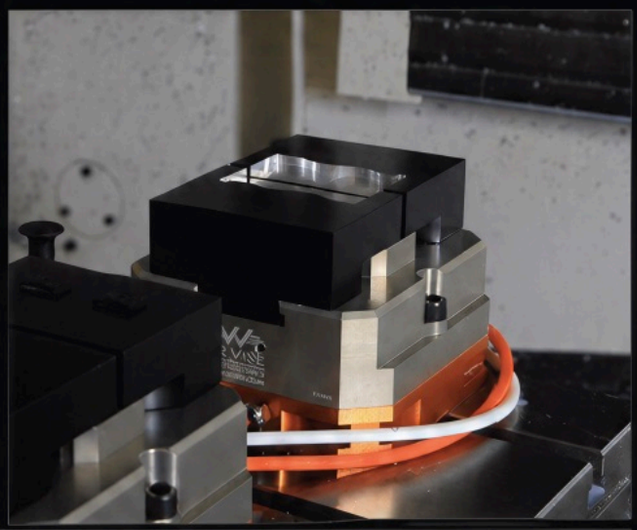
TABLE & ROTARY
Jaw options for both vise platforms.

QUICK CHANGE
Swap jaws fast for flexible production setups.

6-PACK SAVINGS
Save 10% when buying six of the same jaw model.

JAW OPTIONS

	MATERIAL	SIZE	THROAT	FITMENT
AV-T-J4	ANODIZED 7075 ALUIMINUM	2.875" × 4.000"	15/16 IN	TABLE VISE
AV-T-J6	ANODIZED 7075 ALUIMINUM	2.875" × 6.000"	15/16 IN	TABLE VISE
AV-R-J4	ANODIZED 7075 ALUIMINUM	2.875" × 4.000"	15/16 IN	ROTARY VISE
AV-R-J6	ANODIZED 7075 ALUIMINUM	2.875" × 6.000"	15/16 IN	ROTARY VISE
AV-T-SJ4	1018 STEEL	2.875" × 4.000"	15/16 IN	TABLE VISE
AV-T-SJ6	1018 STEEL	2.875" × 6.000"	15/16 IN	TABLE VISE





MACHINABLE STEEL JAWS AND QUICK-CHANGE JAWS IN PRODUCTION

1018 STEEL MACHINABLE JAWS / QUICK-CHANGE JAWS IN PRODUCTION

CONTACT AIR VISE & WORKHOLDING

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VISIT US ONLINE
airvise.com

MADE IN THE USA
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