



Upset Testers Digital



Vale sets the standards for quick, accurate testing that stops scrap.

Quick Results

Vale cycle times of less than 4 seconds to shear and 5 seconds to upset gives you the fastest quality control answers possible. This typical sample was sheared square and to a length 1.3 times the diameter. It was then upset to 40% of its original length for visual inspection. (Vale upset testers are also available for D.I.N. standard tests.) For greater quality control flexibility, the operator enters the desired upset parameters into the operator interface.

Accurate, economical operation.

Accuracy is assured with the proven limit switch design for the shear press and a non-contact position transducer for the upset press.



Tooling is light-weight and of unitized design for easy and fast change. Anvils are reversible, need for fewer resharpenings. Vale's foolproof system for aligning dies eliminates improper operation.

Famous Vale reliability

For longer component life, all Vale Upset Testers are rated to 5,000 PSI, yet operate at 4,500 PSI. Upper and lower upset plattens are made of hardened tool steel to ensure quality samples and long life. Both plattens are identical and interchangeable by means of locking collars.

MODEL	CAPACITY DIA.	SHEAR STRENGTH PSI @	HEIGHT	WIDTH	DEPTH	WEIGHT APPROX.	RAM SPEED	POWER	STARTER
VU-1B	1.00"	60,000	76"	50"	30"	1,800lbs.	45"/min	7.5 HP	Comb Magnetic
VU-2B	1.50"	60,000	88"	70"	70"	5,000lbs.	90"/min	40 HP	Comb Magnetic
VU-3B	2.00"	60,000	96"	80"	83"	10,500lbs.	50"/min	80 HP	Comb Magnetic
VU-4B	2.50"	60,000	106"	96"	100"	15,000lbs.	50"/min	120 HP	Comb Magnetic
VU-5B	3.00"	60,000	110"	117"	113"	25,000lbs.	50"/min	200 HP	Comb Magnetic
VU-6B	3.50"	60,000	116"	125"	132"	32,000lbs.	50"/min	250 HP	Comb Magnetic

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