



Concrete Compression Machine Selection Guide

Standard Compression Machines		Gilson Concrete Compression Machine Selection Guide	Automatic Compression Machines		
Pro Controller	Pro-Plus Controller		Basic	Modulus of Elasticity Option	Poisson's Ratio Option
✓	✓	Exceeds ASTM and AASHTO standards requirements	✓	✓	✓
✓	✓	Variety of load frame strength capacities	✓	✓	✓
✓	✓	Versatility to test cylinders, beams, cubes, cores, and other sample types ¹	✓	✓	✓
✓	✓	Versatility to perform multiple concrete strength tests	✓	✓	✓
X	X	Predefined selectable test protocols control machine operation	✓	✓	✓
✓	✓	Load frame rigidity meets ACI 363 recommendations	✓	✓	✓
X	X	One touch activates complete test cycle	✓	✓	✓
✓	X	Memory stores multiple test results for printing or downloading	✓	✓	✓
X	x	Live display of multiple values during a test	✓	✓	✓
X	X	Precise automatic control of specimen preload rates	✓	✓	✓
X	X	Precise automatic transition to controlled loading rate	✓	✓	✓
X	X	Automatic detection and recording of peak specimen load	✓	✓	✓
X	X	Automatic unloading and piston return to home position	✓	✓	✓
X	X	Minimal operator intervention to optimize testing efficiency	✓	✓	✓
✓	✓	Overall accuracy better than 1%	✓	✓	✓
X	X	Elimination of operator error in data collection	✓	✓	✓
X	X	Model optimized for Modulus of Elasticity testing ¹	X	✓	✓
X	X	Model optimized for Poisson's Ratio testing ¹	X	X	✓
X	X	Energy-efficient drive systems	✓	✓	✓
X	X	Quiet operation	✓	✓	✓
X	X	Cooler operation for consistent oil pressure and longer component life	✓	✓	✓

¹Requires specimen testing fixtures, purchased separately.