



Dyno Type			Passive/Absorber Dyno	Active/Motoring Dyno
S P E C S	Data Acquisition		Specific to Brand	Specific to Brand
	Test Type(s)	Transient - Dynamic Acceleration, Endurance, Performance	Controlled Sweep Rate Steady State	Transient - Dynamic
	Test Concept	Absorbs Energy w/ Fixed Mass Stores & Returns Energy	Absorbs Energy	Calculated Energy Required to Perform Task
	Automation	Automated Throttle Position Automated Engine RPM Tracing	Limited Automation Capability Automated Throttle Position Controlled Sweep Rates	Completely Calculated Automation
O P E R A T I N G	Facility Requirements	Water Source Cooling Tower/Chiller (for Endurance Testing)	Water Source Cooling Tower/Chiller (for Endurance Testing)	Electrical Source Dissipation Grid Cooling Capacity
	Facility Installation Costs	Same as Absorber Dyno Replaces Current Dyno	Water Supply Cooling System	Electrical Requirement (Source & Dissipation)
	Installation Requirements	Basic Installed in Existing Absorber Dyno Cells	Basic	Complex
	Operator Education	Simple Operation Limited Training Necessary	Simple Operation Limited Training Necessary	Complex Operation Training Necessary
O P E R A T I N G	Service and Maintenance	Zero Downtime Same-Day Service Parts On-hand	Dependent on Contract Dependent on Location	Dependent on Contract and Location
	Electrical Op Costs (\$/hr test) [constant running]	Electrical ~\$0.20/hr (2kW/hr)	Electrical ~\$0.20/hr (2kW/hr)	Electrical ~\$30/hr (400hp/hr or 300kW/hr)
	Machine Rental for Endurance Testing (\$/hr testing)	\$1500 / hour	not applicable	
	Price	\$495,000 (w/ Endurance Package)	~\$100,000	~\$750,000 - \$2,000,000

by **EXCELLERATION, LLC**