ADVANCED VSR
www.advancedvsr.com

Philadelphia, PA 19125 USA
215.366.3315 / 215.901.5742
www.advancedvsr.com
info@advancedvsr.com

VS9 / 9000 RPM vibrator / 16 kN max output

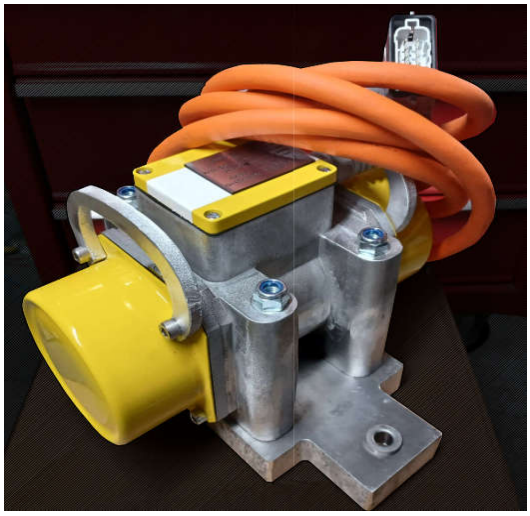
Advanced VSR Model 7.5 System

A-VSR MX-7.5 Console displays the clear vibration data needed to perform the VSR Process effectively.

The Advanced VSR 7.5 System Workstation Unit has been designed to offer the highest performance of any vibratory stress relief system in its price range, the 8a being the only VSR System that can outperform it. The 7.5 can be upgraded to the 8a easily.

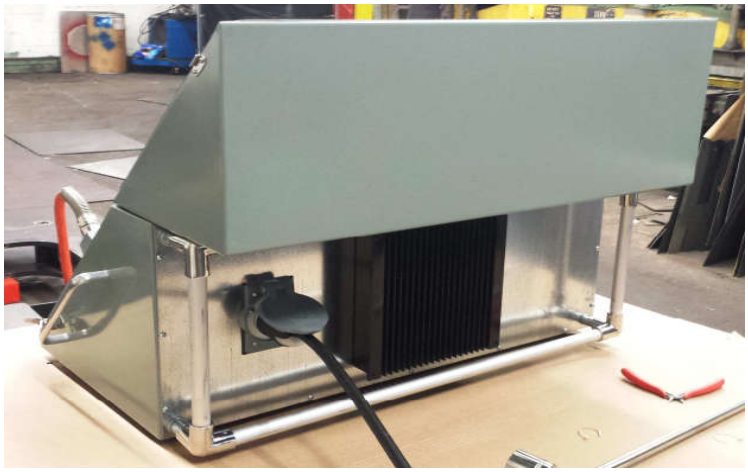
The 7.5 system consists of the following components

- MX 7.5 Console
  - Allen Bradley VFD with external heat sink
  - VSR 5.2 software
  - Digital speed control
  - Automatic scanning and plotting of VSR Process parameters
  - 4 digit displays of acceleration, RPM and vibrator power
  - 15" / 380 mm industrial-grade touch-screen PC
    - Windows 10 OS
    - Solid-state hard drive
    - Fanless, produces very little heat
  - 2 USB jacks, for connection of keyboard (supplied), printer, USB sticks, modem
  - Electronic motor protection including motor winding temperature display (virtual thermometer, helps operator achieve optimal setups)
  - No-fade, scratch resistant laser-etched control panel
  - Sealed NEMA 4 / IP 65 enclosure: All connectors and display fully covered for storage / transport
- Compatible with Model VS9 (9000 RPM max) and VS12 (12000 RPM max) vibrators
  - Brushless 1.5 kW durable spindle-grade 3 phjase motors
  - Hardened inserts (mate with machinist's clamps; thru hole allows bolting)
  - Temperature sensors in motors, prevent over-temperature usage
  - Adjustable unbalance over a 20 : 1 range
- Low-noise accelerometer
  - Accurate within + / - 0.2 percent
  - Linear to 50 g's
  - Rugged stainless steel housing with military-grad connector
- Accessories
  - Shielded accelerometer and motor cables
  - Accelerometer clamps
  - Vibrator clamps
  - Urethane isolation cushions



The VS12 Vibrator:

- 300 -12000 RPM speed range / max force output of 11 kN
- 3 phase, spindle-grade 3 phase motor
- Temperature sensors embedded in windings allow display of actual motor temperature
- Aerospace aluminum housing
- Hardened steel inserts in mounting feet w/ 5/8” thru holes



Large heat sink dissipates more than 80% of the heat generated by the Allen-Bradley drive

Twenty foot long textile system frame machined to 0.003” accuracy after Model 7.5 VSR System treatment.

VSR 7.5 System Performance

Speed range	300 – 12000 RPM
Max Force Output	11 or 16 kN / VS12 or VS9
Scanning rates:	Quick / 50 RPM sec, Pre- and Post-Treatment / 5– 20 RPM per sec
Motors	1.5 kW 3 phase spindle-grade AC brushless with thermal sensors
HMI:	15” / 380 mm industrial touch-screen PC w / solid-state HD / W10
VSR Data Record	PDF hi-resolution
Power rqmnts	190 – 240 single or 3 phase
	15 amp max

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