

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
 - o 5 HP high-performance servo-drive = tight speed regulation = better stress relief
 - o VSR 5.0.1 software
 - o Digital speed control
 - o Automatic scanning and plotting of VSR Process parameters
 - o 4 digit displays of acceleration, RPM and vibrator power
 - o 15" / 380 mm industrial-grade touch-screen PC
 - Windows 7 OS
 - Solid-state hard drive
 - Fanless, produces very little heat
 - o 2 USB jacks, for connection of keyboard (supplied), printer, USB sticks, modem
 - o Electronic motor protection including motor winding temperature display (virtual thermometer, helps operator achieve optimal setups)
 - o No-fade, scratch resistant laser-etched control panel
 - o NEMA 4 / IP 65 enclosure: All connectors and display fully covered for storage / transport
- MV7 Vibrator
 - o 1.0 kW durable AC motor
 - o Hardened inserts (mate with machinist's clamps; thru hole allows bolting)
 - o Temperature sensors in motor, prevent over-temperature usage
 - o Adjustable unbalance over a 20 : 1 range
 - o Weight : 45 lbs / 22 kg.
- Low-noise accelerometer
 - o Accurate within + / - 0.2 percent
 - o Linear to 50 g's
 - o Rugged stainless steel housing with military-grad connector
- Accessories
 - o Accelerometer and motor cables
 - o Accelerometer clamps
 - o Vibrator clamps
 - o Isolation cushions

The MV7 Vibrator:

- Hardened inserts in aluminum mounting feet
- 1.02kW durable AC motor
- 300 – 9000 RPM speed range
- Variable unbalance over 20:1 range (adjusting scale visible in photo)
- Thermal sensors provide auto-protection
- 3200 lbs. force output at max speed and unbalance



VSR 7.5 System Performance

Speed range	300 – 9000 RPM
Unbalance range	0.1 - 2.0 in-lbs.
Scanning rates:	Quick / 50 RPM sec, Pre- and Post-Treatment / 1 – 25 RPM per sec
Motor	1.2 kW 3 phase hi-durable AC motor with thermal sensors
HMI:	15" / 380 mm industrial touch-screen PC w / solid-state HD
VSR Data Record	PDF hi-resolution
Power rqmnts	200 – 240 single or 3 phase

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