Syntron Vibratory Screens: Built to Fit, Built to Last

Proven Engineered Products – Complete Material Handling Solutions
Heavy Product Vibratory Screens

- UP Series Sizing or Scalping Screens
- VC Series Dewatering Screens
- NRM Series Liquid/Solid Separation Screens
- High Efficiency RVS Series Sizing Screens
- Medium Duty CS Series Sizing, Scalping, Dewatering or Rinsing Screens
- Extra Heavy Duty CH Series Sizing or Scalping Screens
- RVSS Horizontal Screens
- Multiple Deck Options
- Screen Cloths and Tensioning Components
- Dust Tight Enclosures

Services:
- Screen Selection
- Custom Designs
Typical Screening Applications

- **Scalping** – When a small portion of the product coming in is removed because it is too big to be processed.
- **Sizing** – When the product is run thru multi-deck screens to obtain separation at different sizes.
- **Fines Removal** – Done on a single deck screen or as the bottom deck on a multi-deck screen. Removes the fines prior to a crusher operation.
Typical Screening Applications (Cont.)

- **Washing** – When rock has significant fine debris that must be removed in processing, spray bars are added on the decks to wash the fines thru the screen off the rock.

- **Dewatering** – Relatively high frequency circular motion to remove water from material.
Built to Fit

• Keys to successful Screen Sizing and Applications
  – Application Data Sheets
  – Sieve Analysis
  – Identify the Dimensional Mounting Constraints
  – Environmental Constraints
Built to Fit

- Application Data Sheets
  1. Type of Application
  2. Material and Capacity Input to the top deck.
  3. Material Output and the desired capacities at each deck output.
  4. Sieve Analysis or expected gradation of material feeding the screen. (More is better)
  5. Special Materials of Construction

Vibrating Screen Data Sheet
Heavy Product Vibratory Screens

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Services:
- Screen Selection
- Custom Designs
Models CS and CH
Inclined Vibrating Screens

• Moderate to high tonnage units for sizing and scalping.
• CS units provide fast, accurate sizing or scalping. Used for dewatering and rinsing of medium size materials.
• CH provide higher tonnage sizing and scalping of medium to larger lump materials.
• Multi-deck units
• Oil bath lubrication system for long service life with two, self-contained, double roll bearing assemblies. (Grease lube systems can be provided)
• Basic Design by Syntron for over 60 years.
Built to Last

Model RVS and RVSS
Inclined or Horizontal Vibrating Screens

- Utilizes one or two rotary vibrating motors to generate elliptical or straight-line motion.
- Eliminates need for belts with stationary motor and additional guarding.
- Easy access grease fittings on the motors for maintenance upkeep.
- Fast change out in downtime situation.
- Multi-deck units available.
- Construction for corrosive or sanitary design available.
- Wide range of speeds for screening available.
Built to Last
Contact us at 800.356.4898

Heavy Vibratory Equipment

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