

# CVC ELECTROMECHANICAL SCREENER

# Case History



*Increase productivity!*



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*Dependability since 1923*



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**Need:** to screen fused silica at 75 tons per hour

**Solution:** Cleveland Vibrator Model EMS ElectroMechanical Screener with 24" wide by 242" (20.2') long tray

**Client:** a world leader in the manufacture and supply of superior quality industrial minerals

The equipment is constructed of all mild steel, with bolt-on 3/8" thick UHMW liners on the tray bottom and sides, marshmallow mount isolation and cable suspended base frame.

There are four bolt-on dust covers, two have inspection hatches with quick clamps. The perforated screen deck is hardened to 280 BHN.

Power is supplied by twin rotary electric vibrators, 460 volt, 3 phase, 5 1/3 HP at 1200 RPMs.

The Cleveland Vibrator EMS models with twin drives are designed for precise screening where high efficiency is required in the end particle size. Units are mounted horizontally, requiring no gravitational assistance for product conveyance along the screening surface. The fact that the motors are synchronized and in balance with one another, eliminates the isolation problems normally associated with simple brute force, single eccentric drive systems. Motors with 900, 1200, 1800, and 3600 RPM are offered for various continuous duty applications. All motors are rated for continuous duty maximum force settings.