



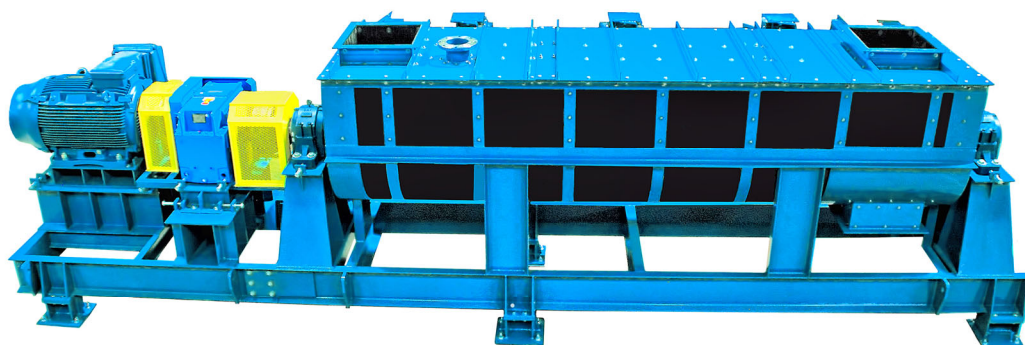
# J&H Equipment, Inc.

## The "Spinden" Mixing Technology Refined

### **J&H Spinden** (Under License from JSA)

#### **FEATURES:**

- Flexible chemical resistant self cleaning trough
- Chemical resistant coated shaft and cover assembly
- Stainless alloy internal metal components for long service life
- Class II direct coupled gearing
- Rigid structural steel support frame assembly to insure proper alignment and support of trough and drive system
- SKF heavy duty roller bearing adaptor mount pillow block bearings for 40,000+ hours service life

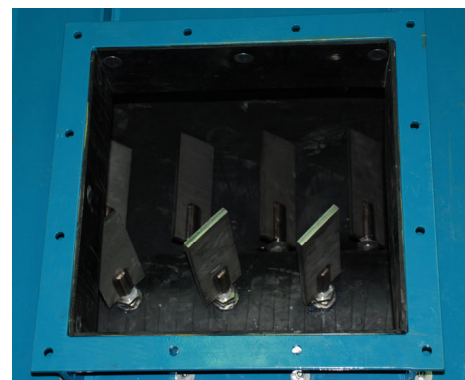


The Spinden Reactor is a paddle/pin mixer designed for continuous granulation of raw materials and recycle slurry to generate DCP and MCP as desired.

The reactor shaft and paddles are direct driven through a direct coupled Class II reduction gear and a severe duty 1.15 service factor motor. RPM is controlled by a customer provided variable speed drive which provides soft start and an operating range of 70-300RPM for standard units.

The material being mixed in the reactor has thixotropic properties - behaving as a solid or a liquid depending on the pressure applied to it. For this reason, rigid casings can cause the material to quickly build up and jam the rotor. This problem is avoided by constructing the reaction chamber from a flexible chemical resistant rubber. The rubber is resistant to acids, is basically self-cleaning, and does not sacrifice process efficiency.

The top cover plates, end plates, and shaft are lined with the same or like chemical resistant rubber that seals the reaction chamber and protects the metal structure of the reactor.



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