

Manufacturing Cosmetic Liquid Foundation



Discover how Quadro Liquid's High Shear Mixing Solutions can be used to manufacture Cosmetics such as Liquid Foundation.

Quadro Liquids design and build a range of High Shear Mixers for leading manufacturers across the globe. Our range of mixers is often used in the **personal care and cosmetics** industries - providing liquids mixing, powder dispersion, and emulsification solutions.

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- Incorporation of gums and polymers without agglomerates or “fisheyes”
- Fine dispersing of pigments in the re-circulation loop with kettle

- The setting of final, high viscosity water/silicone emulsion with a single pass prior to packaging
- Quick and easy cleaning.

Quadro's Approach to powder dispersion

- **ZC3 inline disperser**, skid mounted with a dual PD pump arrangement for performance with high viscosities and high solids addition rates
- Automated powder-in-hopper detection and valve actuation
- Controls to allow (4) pre-set operating points
 - Single-pass solids incorporation, water feed
 - Solids incorporation, re-circulation set-up with kettle
 - Final emulsion setting from kettle
 - Operator PID backpressure control of discharge pump for additional flexibility in processing.

Advantages of the **Quadro Ytron ZC Powder Disperser**

The Quadro High-Speed Disperser delivers intense powder shearing for manufacturers of Cosmetics and Personal Care Products, providing market-leading solutions.

Learn more about the Quadro Ytron® ZC

- 80% reduction in overall batch time vs. conventional in-tank multi-shaft mixer processing
- Rapid incorporation & dispersion of solids
- Single-pass emulsifying
- Significantly reduced air entrainment
- Elimination of quality problems associated with cross batch contamination
- No excessive dusting from bag dumping into process vessels
- No solids build-up on process vessel walls
- Clean-in-place
- Elimination of multiple in-tank specialty mixers.

Learn more about Quadro Liquids **High Shear Mixers** for Liquids Processing and Powder Dispersion and speak to our team for assistance with your mixing applications. **Contact us** for support with your mixing applications today.