

PROCESS SOLIDS SEPARATORS

MECHANICAL SEPARATION MADE EASY

Norchem offers various suspended solids removal technologies to remove diverse solids from the waste stream. We offer vibrating screens, self-cleaning trench screens, rigid basket filters and vertical bowl centrifuges.

The **UltraSep™ Solids Removal System** is the superior solution for removing sand, silica, gravel, and other particles from wastewater streams. Excellent option for operations with tight TSS discharge requirements.

Shaker Screening Systems remove lint and large particles to lower TSS prior to discharge to the city, and prior to ultra-filtration or wastewater heat exchangers.

The **Trenchmaster** is a stainless-steel conveyor screening system to remove large solids in the wastewater prior to the clarifier or wastewater pit.

ULTRASEP® Solids Removal System

NORCHEM ULTRASEP CENTRIFUGE

TECHNICAL FEATURES

- ✓ High rpm rotation reaches 1,500-2,000G
- ✓ 98% removal of the settling solids from process water
- ✓ Minimizes need to pump solids from wastewater pits
- ✓ Industrial PC HMI Touchscreen Dashboard
- ✓ UL and NEMA rated pre-wired panel and mounted to the skid
- ✓ The vertical bowl centrifuge is designed for high volume TSS with specific gravity above 1.2
- ✓ Automated self-scraping technology cleans the bowl in between spin cycles

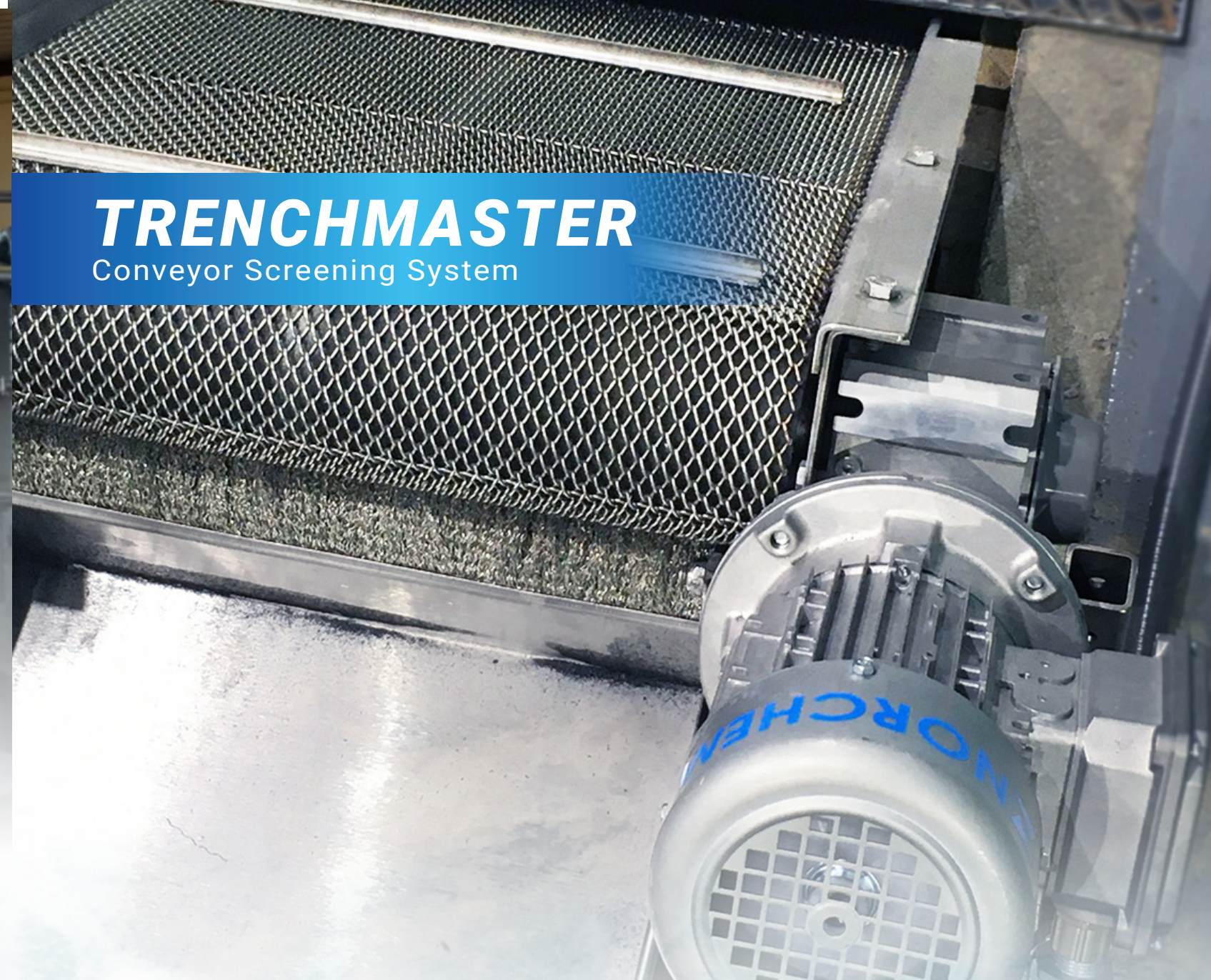
SHAKER SCREENS

Lint and Large Particle Removal System



TRENCHMASTER

Conveyor Screening System



TECHNICAL FEATURES

- ✓ All stainless-steel construction
- ✓ Stainless steel screen form 60 mesh to 400 mesh
- ✓ UL and NEMA rated panel pre-wired and mounted to the skid
- ✓ Industrial PC HMI Touchscreen Dashboard
- ✓ 200-to-1,000-gallon transfer tank sizes
- ✓ Coarse filtration from 75 to 175 μM (microns)
- ✓ Two-stage T304 stainless steel shaker screen and basket strainers for solids collection

TECHNICAL FEATURES

- ✓ All stainless-steel construction
- ✓ Self-cleaning conveyor screen
- ✓ Protects the wastewater pit pumps from clogging
- ✓ Solids are easily disposed of in a waste receptacle