

Automatic Batch Treatment

Wastewater Treatment and Recovery



500 to 10,000 US Gallons Capacity

BTS (Batch Treatment System) incorporates the highest level of technological automation and superior quality components.

Our **BTS SYSTEM**'s are precision engineered to meet the most stringent treatment and discharge requirements.

BTS SYSTEM's can be applied in numerous industries including metal finishing, printing, paperboard, oils, coolants, and chemical processing.

All **BTS SYSTEM**'s are specifically designed to increase efficiency and reduce the need for constant operator attention. The PLC-controlled unit enables the operator to adjust programmable treatment recipes.

Solids are processed through our **CONREC** Filter Press or an automatically indexing flat-bed filter. This separate sludge processing

ensures availability, uptime and productivity.

The unique modular design uses highly accurate, pulse proportional, reagent feed systems and redundant pH/ORP controls.

All treated water is pH monitored and polished prior to discharge. The final effluent is then analyzed to confirm compliance.



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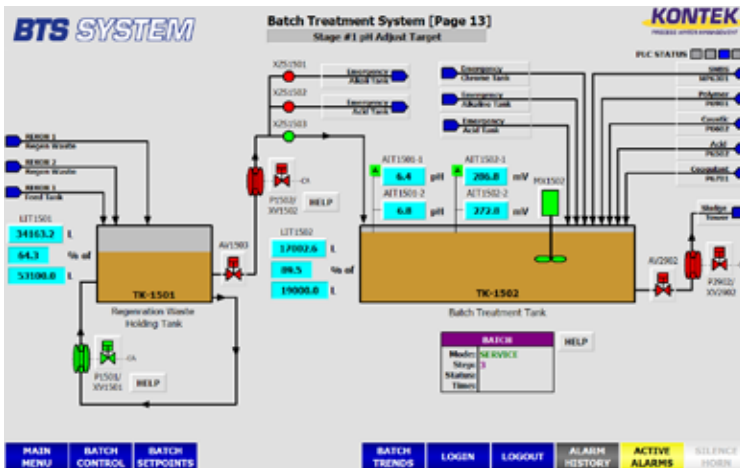
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BTS SYSTEMS will achieve your critical wastewater treatment goals using the most advanced technology on the market.

Our **BTS SYSTEMS** are equipped with our **IntelliKON** PLC control system for superior data tracking and on-screen troubleshooting capabilities. All **BTS SYSTEMS** come complete with redundant pH/ORP probes, HMI adjustable setpoints and optional remote access capabilities.

Equipped to treat the most difficult types of wastewater and concentrated waste solutions in batches, the **BTS SYSTEM** ensures that your water quality expectations and strict environmental discharge limits are met.

A **BTS SYSTEM** can also be used to treat the regeneration waste from a **REKON** wastewater recovery system.



Optional Equipment

Effluent Discharge Pumps

Final effluent discharge pump stations are supplied with pumps, filtration media effluent collection tank, and level control systems.

Duplex Batch Treatment Systems

In situations where one batch treatment system does not meet wastewater processing requirements, **KONTEK** can supply duplex batch treatment systems. Units are skid mounted (to 1000 USG) and are effectively designed to minimize capital requirements.

Sludge Thickening Tanks

BTS SYSTEM's are used in conjunction with a sludge tower for additional sludge thickening before dewatering through a **CONREC** Filter Press allowing the **BTS SYSTEM** to be available for treatment while solids dewatering takes place.

Technical Specifications

- Skid mounted modular design for the most cost-effective installation and operation
- PLC/HMI interface with recipe driven programmable controls
- Double diaphragm pulse proportional controls for all automatic reagent additions
- Ultrasonic level controls for automatic solution transfer and high-level prevention
- Polyethylene, stainless steel, or fiberglass batch reactors depending on each specific application
- Control systems are mounted in NEMA-rated enclosures and certified with UL/CSA
- Heavy duty, long life, variable speed electric or air mixers for each application

Industries

- Metal finishing wastewater and spent concentrated process solution
- Flexographic/Lithographic and paperboard printing ink wastewater
- Petrochemical wastewater treatment/recovery
- Spent coolant, die lube, and cutting fluid solution treatment
- Aerospace
- Ground water remediation
- BOD reduction
- Textile dyeing/tanning wastewater treatment
- Mining
- Food and beverage