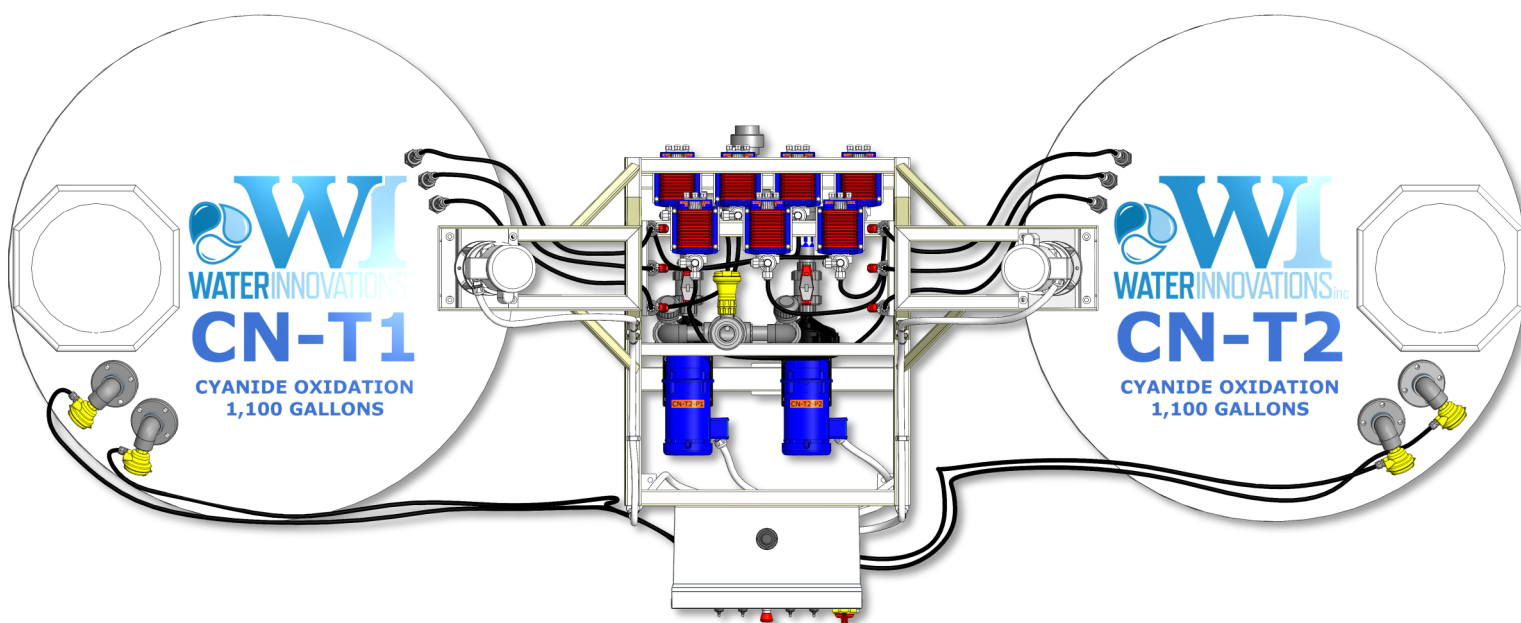




CYANIDE OXIDATION SYSTEM

A highly-automated system scalable by components size to treat up to 50 gallons per minute, either stand alone or integrated with our ion exchange & specialized treatment systems. Designed based on our years of experience with a variety of metal-bearing wastewater. Two double-wall reaction tanks with mixers, pH & ORP sensors, and H₂SO₄ NaOH & bleach feed pumps ensures required reaction time for complete cyanide oxidation.



Engineered to treat a wide range of waste water from various industrial applications

COMPONENTS - FEATURES - BENEFITS

- Closed-top, flat-bottom tanks with gear-drive mixer
- Signet pH, ORP, & level process-controlling sensors
- Air diaphragm or electronic chemical feed pumps
- Treated water discharge ports & transfer pump
- Programmable Logic Control (PLC) automation
- Touch screen human-machine interface (HMI)
- Standardized and pre-engineered
- Modular, ready to install & utilize
- Best-in-Class, high-quality components
- Intuitive yet powerful operating controls
- Scalable based on pumps and tanks sizes
- 304-SS polyurethane-coated frames

CYANIDE OXIDATION SYSTEMS

Programmable logic control (PLC) & touchscreen human machine interface (HMI)

Variable components sizes to meet a wide range of waste volume requirements

Best-in-class system components and state-of-the-art designs & engineering

Scalable Components

- Waste Holding Tank
- Waste Transfer Pump
- Reaction Tanks
- Tanks Mixers
- Chemical Feed Pumps
- Treated Water Pump
- Interconnect Piping

Application

Designed for pre-treatment prior to metals precipitation of cyanide bearing Cd, Cu, Ni, & Au plating rinses

Automation

- Allen-Bradley Compactlogix PLC
- Allen-Bradley Panelview HMI
- Signet sensors and instruments
- Proportional chem pump dosing
- Ethernet-based remote access
- Integrated HMI data-logging

