



Waste Water Treatment

Headworks Screening



Vertical Shaftless Spiral Fine Screen
 Mahr MS screens down to 2mm
 Center Flow Perf Plate Screens

Perforated Plate Front Flow Screens
 In-Channel Perf Plate Drum Screens
 Multirake Automatic Bar Screens

Fine Grit Removal



95% capture of 75 Micron Fine Grit
 Pista Retrofits w/V Force Baffles

Guaranteed from 0 to Peak Flow
 Grit Washers and Classifiers

Odor Control



Horizontal/Vertical Carbon adsorbers
 Degasifier Towers
 Liquid phase Oxygenation

Bioscrubbers, Biotrickling filters
 Nano Bubble Aeration - Algae Control
 Chemical Wet Scrubbers

Wastewater Pumps & Mixers



Chopper Pumps
 Twin Disc Sludge Pumps
 Submersible Propeller Mixers

Progressive cavity pumps
 Horizontal Non-Clogs
 FOG Station/Lift Station Scum

Aeration



Retrievable Diffuser Grids
 Oxidation Ditch Replacements

High Efficiency OxyStrip Diffusers
 Disc and Tube Diusers in fixed grids

Biological Treatment



Mempulse MBR Process for Air Scour
 MBBR/IFAS Systems
 Packaged Treatment Systems

Monolithic Hollow Fiber Membranes
 Oxidation Ditch Retrofit
 Anoxic MBBR

Ozone Disinfection



Compact modular Ozone generator
 Sidestream Ozone Dissolution

50% reduction in Electrical & O&M costs
 Highest concentration of ozone

UV Disinfection



Non-Contact In Channel UV Systems
 Lowest O/M & Energy Consumption

Closed Vessel Medium Pressure UV
 Surface Discharge w/no chemicals

Nutrient Recovery



MagPrex Struvite P-recovery
 Low temperature belt dryers

Pondus Thermohydrolysis System
 Reduce Dewatering costs by 20%

Sludge Drying



Indirect Thin Film Padde Dryer
 Reduced O/M & Energy Consumption

Vary Drying from 30-95%
 No limit on feed solids composition

Thickening/Dewatering



CS Series Dewatering Centrifuges
 Repairs and Service on all brands
 Multidisc Screw Press
 Heave Duty Belt Presses

Hydraulic Backdrive, reduced O&M
 THK thickeners using zero polymer
 Trailer Mounted Dewatering Rentals
 Combination Thickener/Dewater Press

Solids Handling



Shaftless Screw Conveyors
 S Tube Piston Sludge Cake Pumps

Automated loading conveyors
 Grit Classifiers

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Water Treatment

Pumping Equipment



Vertical Turbines
Horizontal Split Case
Mixed Flows/ Axial Flows

ANSI End Suctions
Self Priming Pumps
Double Suction Verticals

Packaged Pump Stations



UL QZCJ Listed Pump Stations
Wind Code Rated Building Enclosures

Integrated System Controls
FM Listed Fire Pump Skids

CO2 Systems - WTP Recarbonation



Precise PH Adjustment
Consistent R-value reduces O&M
80% Reduction In Carrier Water

30%+ reduction in CO2 onsumption
Vacuum Jacketed tank insulation
Cryogenic storage tanks and delivery

RO Systems



98% High Recovery CCRO
20-35% Reduced O&M costs

Naturally Disrupts Biogrowth/Scaling
RO Retrofits Increase capacity

Contaminant Removal



PFAS/PFOA removal
Robust Stainless Steel Internals

Iron/Manganese Filtration
Pilot systems readily available

Disk Filters & Sand Filters



Effluent Cloth Disk Filters
No Underdrain Failures Ever
Retrofit Existing Filters w/ Maximus

Monolithic Floor Deep Bed Sand Filter
Denitrification Filters
Biologically Active Filtration

Control Valves



Pressure Relief/Sustaining Valves
Cone Valves/Ball Valves

Altitude & Electronic Control Valves
HDPE Flapper Valves

Tank Mixers/ THM Removal



Pressure Relief/Sustaining Valves
Cone Valves/Ball Valves

Altitude & Electronic Control Valves
HDPE Flapper Valves

Wastewater Pretreatment & Industrial Treatment

Industrial Waste Treatment



Industrial Pre-treatment BOD removal
Self Contained MBR
Full System Pilot Testing
Primary clarifier Replacement
DAF replacement/upgrades
Controls Upgrades
Lagoon Treatment

Full Industrial Waste Treatment Design
MBBR/IFAS systems
Monolithic Hollow Fiber MBR
Belt Filtration/Dewatering Screen
Chemical metering systems
CO2 recovery
H2S reduction

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