



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
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

Blowers



Single stage geared turbo blowers
Horizontal multistage blowers

Blower repairs and Rental blowers
High Speed Air Bearing blowers

Biological Treatment



Granular Sludge Technology
Mempulse MBR System
MBBR/IFAS Systems
Packaged WWTP Systems

Ring Steel Field Erect WWTPs
Monolithic Hollow Fiber Membranes
Oxidation Ditch Retrofits
Membrane Activated Biofilm Reactor

Nutrient Recovery



MagPrex Struvite P-recovery
Low temperature belt dryers

Pondus Chem-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
Heavy Duty Belt Presses
Dissolved Air Flotation

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

Solids Handling



Shaftless Screw Conveyors
Level loading systems

Automated loading conveyors
Grit Classifiers

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Water Treatment

Pumping Equipment



Vertical Turbines
Horizontal Split Case
Mixed Flows/ Axial Flows
Horizontal Split Case Pumps

ANSI End Suctions
Self Priming Pumps
Local Repair Facilities
Inline Booster pumps

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
Ion Exchange Pressure Vessels

Iron/Manganese/Arsenic 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



Water Tank Tidal Wave Mixers
Hurricane Blowers for ventilation

THM Removal/reduction
Cloramine boosting automated systems

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
Open channel horizontal & Vert UV

Closed Vessel & Medium Pressure UV
Surface Discharge w/no chemicals
Open Channel Inclined Series 1000

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