



## 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% Fine Grit Removal  
Pista Retrofits w/V Force Baffles

Guaranteed Through Flow Range  
Grit Washers and Classifiers

### Odor Control



Electronic Media Bed Monitor  
Liquid phase Oxygenation

Biological Multistage Scrubber  
Vertical & Packed Bed Scrubbers



### Wastewater Pumping



Chopper Pumps  
RAS/WAS Applications

Progressive cavity pumps  
Horizontal Non-Clogs

### Mixing Solutions



Submersible Propeller Mixers

Jet Aerator Pumps/Mixers

### Biological Treatment



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

Monolithic Hollow Fiber Membranes  
Oxidation Ditch Retrofit  
Anoxic MBBR  
Centerfeed Clarifiers

### 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

In-Line Pipe Disinfection  
Surface Discharge w/no chemicals

### Nutrient Recovery



MagPrex Struvite P-recovery  
50% Reduction in Digester Volume

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  
SP Series Screw Press

Hydraulic Backdrive, reduced O&M  
THK thickener using zero polymer  
Trailer Mounted Dewatering Rentals

### 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  
Electronic Control Valves

Altitude Valves  
HDPE Flapper Valves  
Surge Anticipation 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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