Our Solutions
Water & Wastewater Product Overviews

What We Do
We are a global company who provide advanced products, services and expertise to help municipal and industrial customers to improve the way they process, treat and manage water.

Advanced Grit Management®

**Grit Separation**
- HeadCell®
- Grit King®
- TeaCup®

**Grit Dewatering**
- Grit Snail®
- SpiraSnail®
- Decanter

**Washing & Dewatering**
- Hydro GritCleanse™

**Advanced Primary Treatment**
- Rotating Belt Filtration
- Hydro MicroScreen™

**Advanced Grit Management®**
We offer the best guaranteed performance in the industry with our Advanced Grit Management (AGM) systems, targeting grit 75 micron (µm) and larger throughout the entire grit separation, washing and dewatering process. AGM removes 85-95% of all grit entering wastewater treatment plants.

**Advanced Grit Separation**
AGM begins with the unrivalled efficiency of our separation systems. Capturing 75 to 106 micron particles ensures the plant is protected from fine and slowly settling grit particles.

**Advanced Grit Washing**
What's the point of capturing grit if it is lost during the washing and dewatering process? Our washing systems reduce volatile solids while retaining fine grit.

**Advanced Grit Dewatering**
Once volatile solids are removed quiescent dewatering retains even the finest grit and outputs clean dry grit ready for landfill.

What's the point of capturing grit if it is lost during the washing and dewatering process? Our washing systems reduce volatile solids while retaining fine grit.

**Wet Weather Solutions**
- **Treatment**
  - Storm King®
- **Screening**
  - Hydro-Jet®
  - Heliscreen®
  - Hydro-Static®
- **Flow Control**
  - Hydro-Brake® Flow Control
  - Hydro-Brake Drop™

www.hydro-int.com
Tel: (866) 615 8130
Advanced sludge management processes need protection from grit and debris. We offer robust sludge screening and degritting solutions to improve sludge quality and process efficiency.

**Sludge Pretreatment**

- **Hydro-Sludge® Screen**
  - In-line Sludge Screen
- **SlurryCup™ / Grit Snail®**
  - Sludge Degritting

**Advanced Primary Treatment**

The ideal replacement for primary clarification at half the price, a 90% smaller footprint, and uses 50% less power. The Hydro MicroScreen™ rotating screen physically separates fine solids, removing up to 80% TSS, 60% BOD and 40% FOG from flow streams.

- **Hydro MicroScreen™**
  - Rotating Belt Screen

**Wet Weather Solutions**

**Wet Weather Treatment**

Our advanced vortex technologies provide cost effective solutions for plants in CSO communities. The Storm King® provides three unit processes in a single device.

- **Storm King®**
  - Sedimentation, Screening, & Disinfection

**Wet Weather Flow Control**

Our flow control solutions help control and alleviate flooding. Our valves reduce storage requirements and our controlled drops are efficient, safe and quiet.

- **Hydro-Brake® Flow Control**
  - Vortex Flow Control
- **Hydro Brake® Drop**
  - Water Energy Dissipation

**Wet Weather Screening**

We offer a range of customized overflow screening solutions proven to be reliable and cost-effective to prevent the discharge of debris during critical wet weather events.

- **Hydro-Jet® Screen**
  - High Capacity Screen
- **Heliscreen®**
  - Compact, Low Headloss, Powered Screen
- **Hydro-Static® Screen**
  - High Capacity Screen

**About Us**

With over 30 years of experience and a reputation for engineering excellence, businesses and public organizations all over the world rely on our products and services to reduce flood risk, improve water treatment and protect the environment from water pollution.

**Pilot Equipment Available**

We want to make sure that our equipment solves your problems, under your unique conditions and on your flows. We offer demonstration systems ready to run on-site to ensure that our equipment will meet your specific project needs.

**Service That Stands Apart**

We know that downtime is not an option at your plant. We stand behind our equipment with a team of dedicated operations, maintenance and parts specialists standing by to make sure your equipment is operating at peak efficiency at all times.

**To learn how our equipment can save you money & increase your operating efficiency call 866.615.8130 or visit hydro-int.com today!**

www.hydro-int.com

Tel: (866) 615 8130