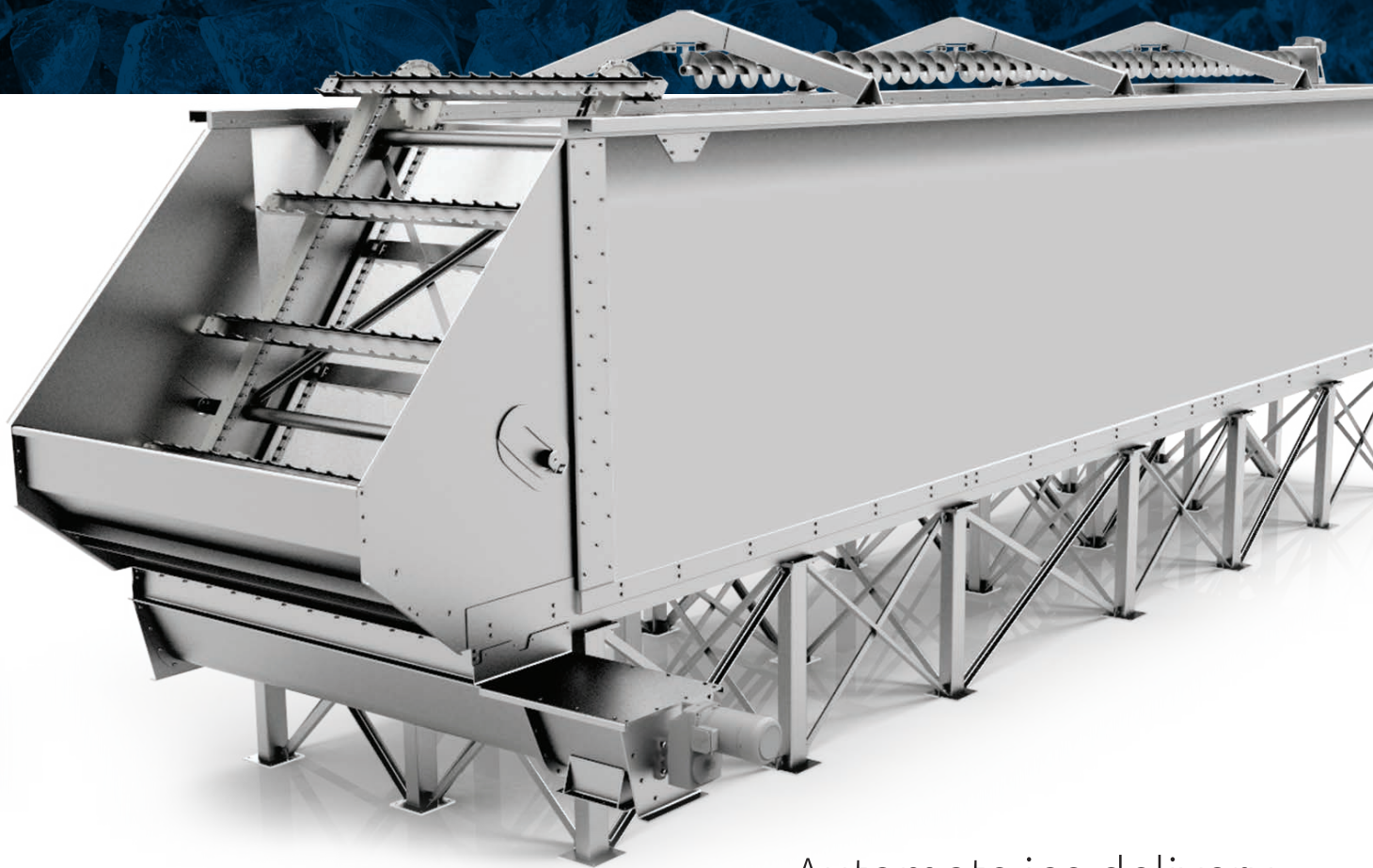


***WALKING FLOOR<sup>®</sup>***  
**Ice Storage & Conveying Bins**

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Automate ice delivery  
for maximum plant efficiency.

**KEITH**  
MANUFACTURING CO

# Boost efficiency, improve safety and reduce labor.

KEITH® Ice Storage and Conveying Systems work in conjunction with ice making equipment, serving as a bulk surge system storing ice and automatically delivering it for downstream processing.

## INDUSTRIES

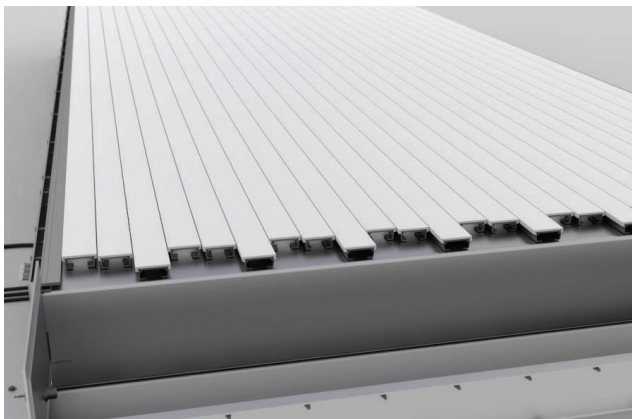
**PACKAGED ICE:** As the ice making equipment fills the bin, a leveling screw at the top helps maintain first-in, first-out rotation. This assists in keeping the ice fresh and reduces ice build-up.

**POULTRY ICE:** Automating the ice delivery process reduces labor requirements and eliminates the need for a floor auger, providing a safer work environment.

**FISH ICE:** Large capacity bins store ice, ensuring the quick processing of highly perishable seafood products. Systems handle a variety of ice types, including crushed, flake or plate.

**PRODUCE ICE:** Maintain peak freshness by delivering ice to where produce is harvested. Easy to operate and low in maintenance, bins provide a simple and efficient ice storage system.

**INDUSTRIAL ICE:** Applications in concrete construction, manufacturing, medical and therapeutic ice.



## HOW IT WORKS

Once the bin is loaded, ice is brought to the front by the reciprocating motion of the floor slats. The ice is then fed to a unique vertical comb system, sending it to an enclosed auger and to the processing line.

▶ WATCH IT WORK





## Automation

- Automatically deliver ice to your downstream operations.
- Systems can operate 24/7 with minimal supervision.
- Capable of providing an uninterrupted flow of ice.
- Reduce direct labor costs using skilled employees in other capacities.



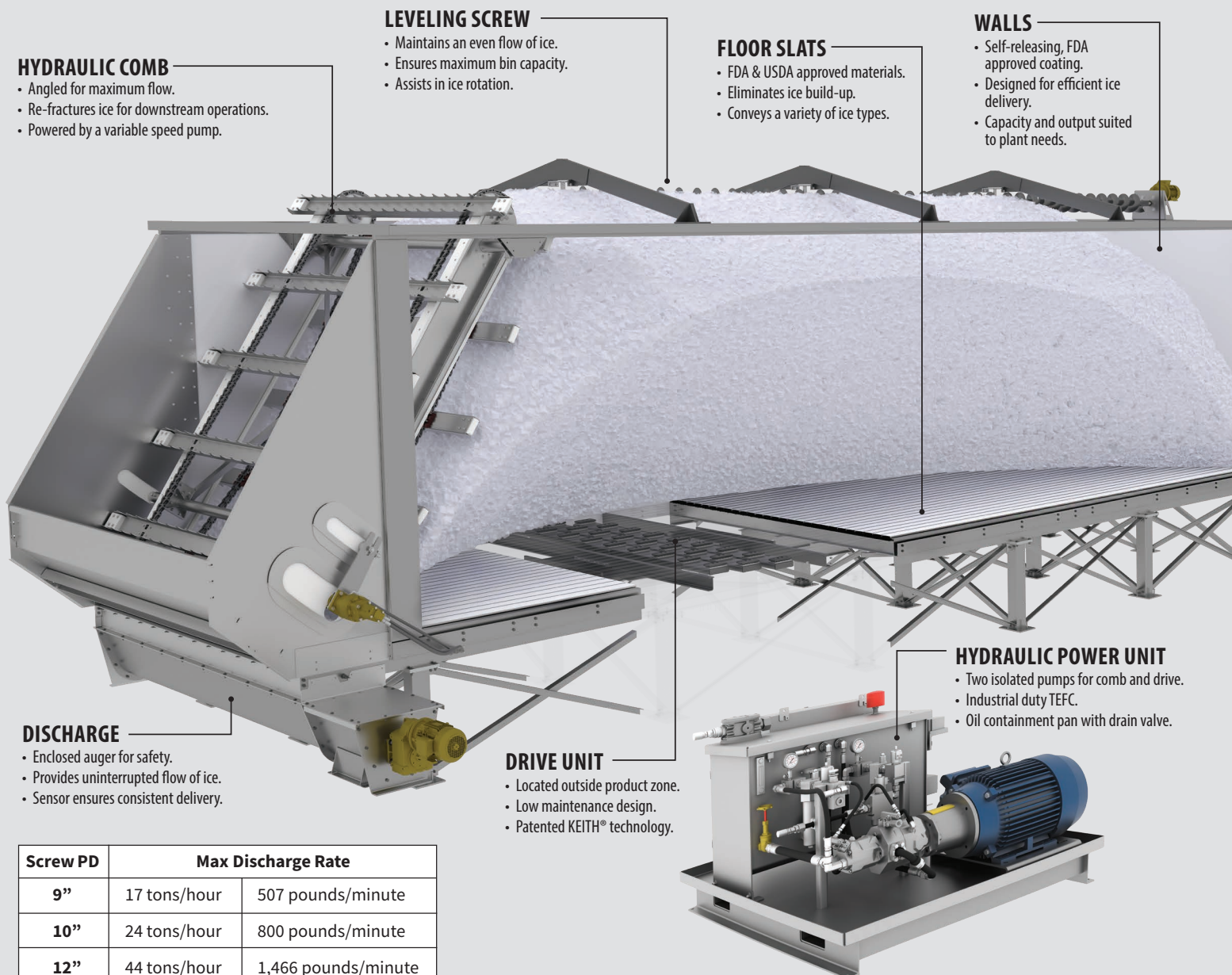
## Safety & Sanitation

- Made of USDA and FDA approved materials.
- Ice delivery without manual intervention.
- No need to enter “food zone” for maintenance, ensuring sanitary conditions.
- First-in, first-out ice rotation provides easier traceability of product.



## Plant Efficiency

- Less ice waste reduces overall water consumption.
- Provides a continuous supply of ice with minimal downtime.
- Fasteners located outside ice storage area for quick and easy visual inspection.
- System is designed for low maintenance requirements.



### HYDRAULIC COMB

- Angled for maximum flow.
- Re-fractures ice for downstream operations.
- Powered by a variable speed pump.

### LEVELING SCREW

- Maintains an even flow of ice.
- Ensures maximum bin capacity.
- Assists in ice rotation.

### FLOOR SLATS

- FDA & USDA approved materials.
- Eliminates ice build-up.
- Conveys a variety of ice types.

### WALLS

- Self-releasing, FDA approved coating.
- Designed for efficient ice delivery.
- Capacity and output suited to plant needs.

### DISCHARGE

- Enclosed auger for safety.
- Provides uninterrupted flow of ice.
- Sensor ensures consistent delivery.

### DRIVE UNIT

- Located outside product zone.
- Low maintenance design.
- Patented KEITH® technology.

### HYDRAULIC POWER UNIT

- Two isolated pumps for comb and drive.
- Industrial duty TEFC.
- Oil containment pan with drain valve.

Screw PD	Max Discharge Rate	
	9"	17 tons/hour
10"	24 tons/hour	800 pounds/minute
12"	44 tons/hour	1,466 pounds/minute



## THE KEITH PROCESS

KEITH designs, engineers, manufactures and assembles KEITH® *WALKING FLOOR*® Ice Storage & Conveying Systems at our world headquarters in Madras, Oregon. Manufacturing most components on site means superior quality control. We are dedicated to working with our customer to ensure that the system they purchase best fits their plant.

- Standard and custom bin configurations available.
- Each system is assembled in-house prior to shipping.
- Hydraulic components assembled and tested during manufacturing.
- Technicians available for installation supervision, start-up, maintenance and support.



### Product Questions and Customer Service

541.475.3802

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### World Headquarters

Madras, Oregon USA

# KEITH

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