Automated Grapple Hoist

Labor-saving, automated operation for heavy contaminant removal at the pulper.

The perfect mate for clearing your trashwell with ease, consistency, and long term reliability.
Automated Grapple Hoist

Our fully-automated, hydraulically-operated grapple hoist effectively removes heavy contaminants from the pulper trashwell. Designed and constructed to provide superior performance and long service life, this workhorse features digitally controlled integration with your detrashing operation cycle, timed to clear the trashwell when required.

Optional system monitoring estimates the load pick weight to optimize cycle time and report on furnish quality. The load cell also provides load weight feedback for sensing and minimizing slack in hoist lines.

Overall, this unit is designed for safe, low-maintenance reject handling for your pulper’s trashwell. It provides precise positioning and control at every stage and offers worry-free, automatic operation for more efficient contaminant removal and a better bottom line.

**Features-at-a-Glance**

- **Proximity Switches**
- **Carriage Drive**
- **Hoist**
- **Debris Switch**
- **Grapple**
- **Tension Reel**
- **Hydraulic Unit**
- **Hydraulic Carriage**
- **Remote Cabinet**

- Packaged hydraulic system
- Two-speed drives for hoist and trolley
- Build-in rotary switches and encoder for hoist position
- Five proximity switches for lateral grapple position
- Load weight feedback for slack line sensing
- Optional weight monitoring optimizes cycle time and reports on furnish quality
- Optional four-wheel drive for severe environments

**Benefits**

- **Heavy-duty construction**
  - Reliable service components with extended life operating cycles
  - Forged and stainless steel construction

- **Improved performance**
  - Consistent cycling to prevent build-up of heavies
  - Complete PLC automatic control via DCS logic featuring logging and alarming

- **Low maintenance**
  - Precise programmed control and slack line sensing ensures proper positioning
  - Top-feeding orientation of tension reel minimizes hose and fitting wear
  - Hoist bearings and gearing are oil lubricated for the life of the unit

- **Cost effective**
  - Automated operation saves labor cost previously dedicated to manual control

- **Safety in mind**
  - Hoist cable jump alarm
  - Debris switch protects cable spool area
  - Sound and flashing light alerts

*Wireless remote control pendant and programmable logic control*
The articulate and intelligent right hand of any pulper

Options are available to incorporate a washing well to flush fiber and light rejects back to pulper.

All functions are fully configurable.
The Automated Grapple Hoist is a critical component in the Hydrapuler pulping system.

Our team can help monitor, maintain, and upgrade your line, providing process improvements, replacement parts, rebuilds, and comprehensive maintenance plans.

Certified Parts and Service 24 Hour Hotline: 1-800-448-5422