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

And this powerhouse is smart as well as strong. 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.

### Benefits

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

- **Improved performance**
  - Improve pulper operation with 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 hydraulic 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 alerts operator
  - Debris switch protects cable spool area
  - Sound and flashing-light alerts

### Features-at-a-Glance

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

- Packaged hydraulic system
- Two-speed drives for hoist and trolley
- Build-in rotary switches 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

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*Wireless remote control pendant and programmable logic control*
Strength and smarts

The articulate and intelligent “right hand” of any pulper

The Automated Grapple Hoist Sequence

1. Warning lights flash and horn sounds. Grapple moves over trashwell, lowers to top of trashwell.

2. Grapple descends and opens, lowers to bottom of trashwell, line slack is detected, grapple begins lift sequence.

3. Grapple lifts and closes simultaneously. Load is raised and pauses over trashwell to drain. Load then moves over chute.

4. Load lowers, grapple opens to release load.

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: One part of a mighty team

The Automated Grapple Hoist and Trashwell are available in 4 foot and 6 foot diameters

Specifications and information subject to change without notice.