



GAIN EFFICIENCY WITH AN
UNSCRAMBLER

EFFICIENT MATERIAL FLOW WITH AN **UNSCRAMBLER**



*In lumber handling applications, one of the best methods to **gain efficiency** is with an unscrambler. When a **consistent material flow is required**, whether it be immediately following a package breakdown area or any place where conditions create the requirement for a surge or buffer area, a Froedge unscrambler is a perfect solution. Our unscramblers are engineered to work at **peak performance**, applying the most effective pit angles, slope, chain, and drive systems to provide the **highest percentage of filled lugs and feed speeds**.*

OPTIONS

- Singulator – reduces crossed boards and double boards in a lug by use of a cam or digitally timed kick device
- Integrated even-end rollers
- Multiple outfeed systems
- Large cant bypass systems (when cutting cants or ties that do not require the unscrambling function)
- Customized heights/lengths for easy integration into existing systems
- Electric or Hydraulic power.

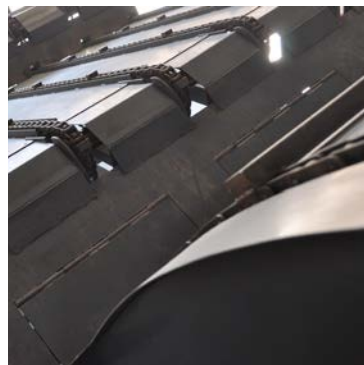


ENGINEERED FOR PEAK PERFORMANCE

- The volume of wood moved into the unscrambler pit is controlled by photo eyes.
- Froedge unscramblers are built with a heavy-duty “impact zone” designed to absorb the shock load of heavy boards dropping into the pit.
- “Break-away” doors in the pit allow easy clearing of off-size or broken boards that sometimes cause jams.
- Froedge unscramblers utilize low-profile, heavy-duty bars attached to the chains, which are superior to lugs, preventing “wind-milling” of boards (boards that spin out and off of their lugs near the top transition point), although specialty “strip” unscramblers are supplied with special geometrically designed lugs.
- Units can be ordered with either hydraulic or electric power, with electric versions using a shaft-mount reducer with belt drive.
- The optional even-end rollers are integrated into the machine as a single piece, and have welded friction points for positive movement. They are powered separately from the chains, so that speeds can be independently varied.



Even-end rollers



Break-away doors



Hydraulically powered



Large cant bypass

CONFIGURATIONS



SPECIFICATIONS

- 2 - 7/16" Drive Shaft
- 81XH Chain
- Up to 55 Lugs/minute (variable)
- Standard unscrambler handles boards 4' -16' long, up to 20" wide
- 30" minimum infeed height
- 80" standard discharge height (options available)
- Right or left hand even end (optional)

SAMPLE CONFIGURATIONS

