



**TS Manufacturing's Unscramblers are custom built to suit the application.** Many people underestimate the importance of a simple unscrambler, but they can be an overlooked efficiency killer. We start from your material specifications to provide precisely the unscrambler you require, designing appropriate angles to maximize efficiency.

**TS Unscramblers are ruggedly built with heavy duty frames and are constructed with 'anti-jam' pockets and special depth control bars that take the impact within the pocket area.** This reduces the impact on the panning to virtually zero, and allows our taller bar height to carry wide boards over the top of the unscrambler while doing the majority of the unscrambling from within the pocket area. This reduces breakage of fragile lumber.

- Conventional 'Straight Back' Unscrambler for narrow piece sizes, or pivoting attachments for wider piece sizes
- 'Goose Neck' Unscramblers for wide and random width lumber singulation
- 'S' Style Unscramblers for gentle unscrambling and single layer provisions
- Log Unscramblers / Jackladders for log applications
- Double compound angle bars to prevent pieces from rotating in the unscrambler lengthways
- Cam systems for perfect singulation
- Lugged Unscramblers
- Electronic singulation using pocket fill detection and emptying detection for maximum efficiency
- Built in even end rollers for efficient even ending of short pieces
- Unscramblers attached to roller lug even end transfers
- Coupled with TS' Serpentine Drive Spiral Roll Discharge Systems
- No wall, single wall or double walled designs
- Coupled to patented TS multi-chains for short coupled lug loading without a lug loader
- Adjustable depth control arms for fixed thickness unscrambling with maximum efficiency
- Extra chainways or bar systems depending upon the material's size
- Specially shaped bars for increased Unscrambler efficiency on unedged flitches



[www.tsman.com](http://www.tsman.com)  
Visit our website to find out more about TS Unscramblers.



**TS Manufacturing**  
2 Fleetwood Rd, Lindsay, ON K9V 6H4 Canada  
Tel: +1 705 324 3762 | Fax: +1 705 324 6482