

E R & F Turner 550 Heavy Duty Flaking Mill

For Breakfast Cereal products

- ❖ **Heavy Duty Construction** – the design constitutes heavy-duty casting that retains the stability and accuracy of the roll gap and imposed pressure. This can be up to 50,000 kg force, which not only provides a mill with the potential for high capacity rates, but also enables the production of very fine flakes if required. The casting absorbs the high pressures and shock loads to give a long and trouble free life.
- ❖ **Chilled Iron Rolls** – the rolls are manufacture from the highest quality spun cast chilled iron, allowing for a long life and considerable number of regrinds. **Roll surface temperature monitoring** – is an optional extra to aid operational control.
- ❖ **Roll surface temperature monitoring** – is an optional extra to aid operational control.
- ❖ **Roll Drive** – driven by a single electric motor and uses a heavy duty inter-roll belt drive that gives the choice of roll speeds and differentials.
- ❖ **Mill Control** – there are two options, 1) Roll nip pressure is maintained by hydraulic rams allowing the rolls to be brought together to the “working” position or moved apart to the “open” position. The hydraulic cylinders work in conjunction with gas filled accumulators to absorb shock loads if a foreign object were to pass through the rolls, and therefore minimize any damage to the roll surface or machine. 2) Roll pressure is applied by substantial disc springs, and a hand-wheel provides fine parallel roll gap adjustment.
- ❖ **Scraper blades** – manually adjustable, or pneumatically operated special scrapers keep the rolls clean for efficient operation.
- ❖ **Feeding the Flaking Mill** – if required a choice of feeders are available. Variable speed roll feeder with adjustable gate or variable-frequency vibratory feeder with an adjustable gate.
- ❖ **Feed Sensor Roll Protection** – is an optional extra, to detect lack of product flow and moves the rolls apart to reduce roll damage and wear.



Typical applications for the **550 Flaking Mill**:

Cornflakes
 Wheat flakes
 Multigrain flakes
 Oat flakes
 Rice flakes
 Mueslies
 Flakes for breads

Rolls	Power	Weight
550 diameter x 750 wide	45 kw	5800 kg
550 diameter x 1000 wide	55 kw	7000 kg