

E R & F Turner 600 Flaking Mill

For Breakfast Cereal products

- ❖ **Heavy Duty Construction** – the chassis design constitutes a combination of heavy fabrications supporting a cast iron structure that retains the stability and accuracy of the roll gap and imposed pressure. This can be up to 60,000 kg force, which not only provides a mill with the potential for high capacity rates, but also enables the production of very fine flakes.
- ❖ **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. Two roll options are available 1) “Super-cooled” giving much enhanced cooling capability leading to improved capacity and operational stability. 2) Standard water cooled.
- ❖ **Roll surface temperature monitoring** – is an optional extra to aid operational control.
- ❖ **Roll Drive** – independently driven by two 37 kw electric motors via. HTD belts and shaft mounted gear boxes that gives the choice of roll speeds and differentials.
- ❖ **Mill Control** – 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.
- ❖ **Control of the Roll Gap** – achieved by means of individual fine adjustment mechanisms located at each side of the mill.
- ❖ **Scraper blades** - adjustable pneumatically operated scrapers keep the rolls clean and can have oscillation if required. Quick -change disposable blades are used to minimise down time.
- ❖ **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** – detects lack of product flow and moves the rolls apart to reduce roll damage and wear.



Typical applications for the **600 Flaking Mill**:

Cornflakes
Wheat flakes
Multigrain flakes
Oat flakes
Rice flakes
Mueslies

Rolls	Power	Weight
600 diameter x 1000 wide	2 x 37 kw	9000 kg