

## E R & F Turner 600 Heavy Duty Flaking Mill

### For Animal Feed & Pet Foods products

#### Versatile High-capacity Flaking Mill

- ❖ **High Productivity** – due to the chassis stability and the roll pressure there is the ability for high capacity rates and the production of fine flakes, under various process conditions.
- ❖ **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 if required.
- ❖ **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 Drive** – independently driven by two 55 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 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.



#### Typical applications for **600 Flaking Mills**:

- Processes - steam flaked, micronized and extruded grains for the production of high quality flakes.
- Industries – Animal feed, Pet food and oil seeds.
- Typical materials :-  
**Maize**  
**Wheat**  
**Barley**  
**Beans**  
**Peas**  
**Soya**

Rolls	Power	Weight
600 diameter x 1250 wide	2 x 55 kw	9000 kg