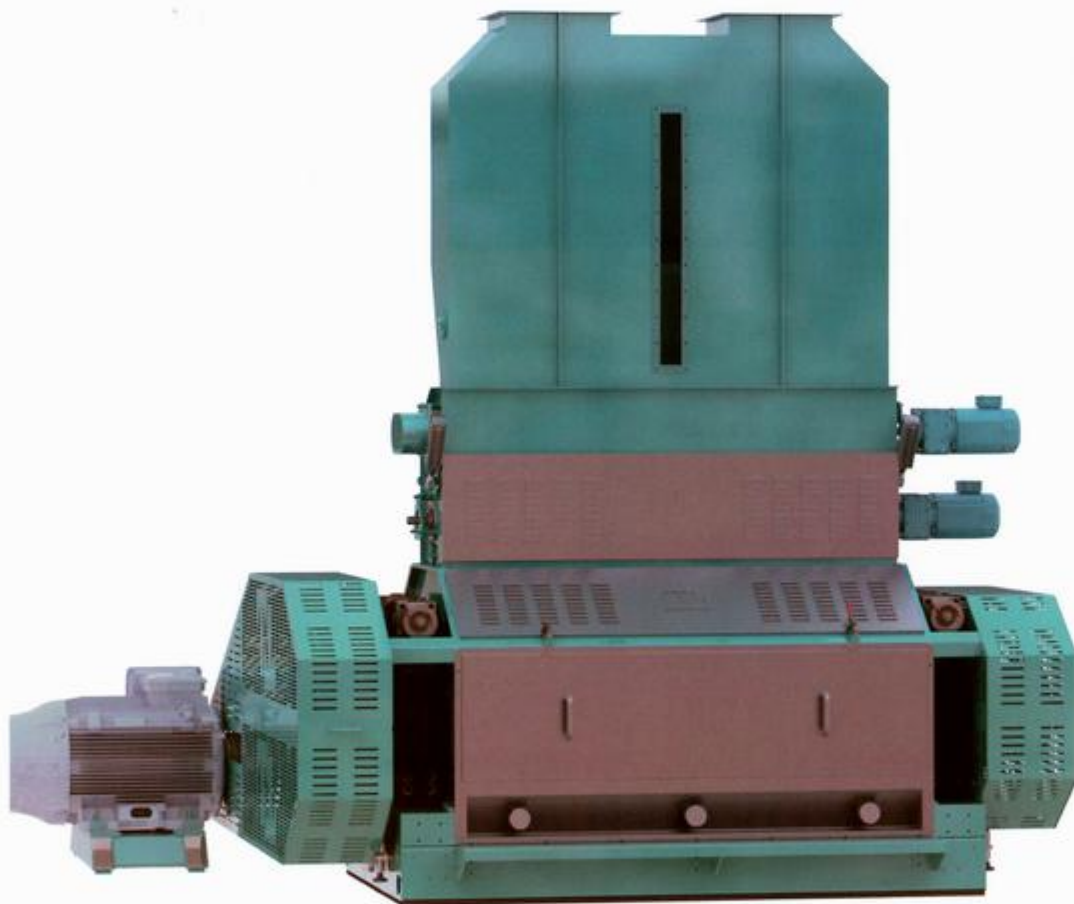


# **TNL** | **TECNAL** **Flakers**



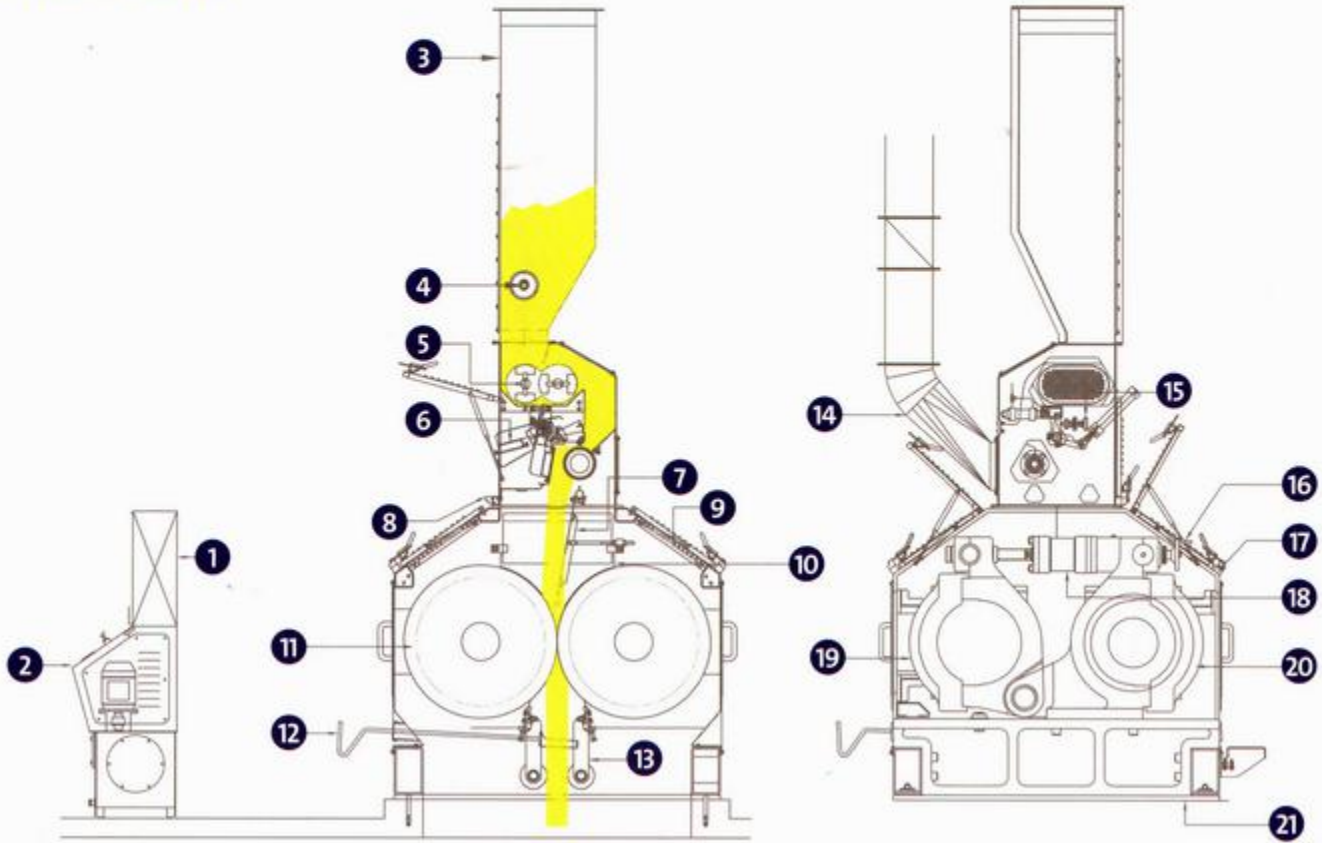
*Designed and built for precision*



**TNL TECNAL**  
TOGETHER IN THE

AND **COTTOR**  
INDIAN MARKET.

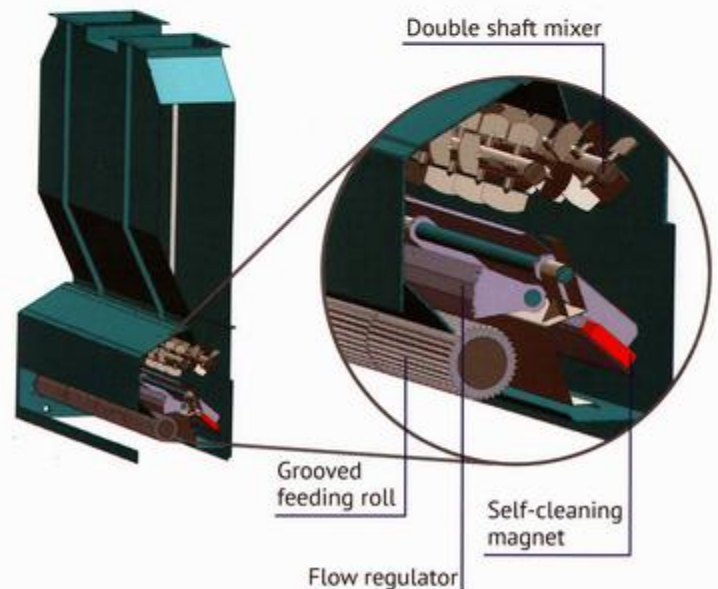
## Main Parts



- 1 Safety panel
- 2 Hydraulic command panel of the pistons (next to the equipment)
- 3 Feeding hopper
- 4 Level indicator
- 5 Homogenizer and distributor with double shafts
- 6 Self cleaning magnet, hinged type activated by piston - ferrous pieces.  
Can be removed with the equipment in operation
- 7 Flow deflector
- 8 Safety switches
- 9 Upper covers protections to prevent the access to the moving rolls
- 10 Restraint system against leak of material through the rolls ends
- 11 Rolls
- 12 Sample collector
- 13 Roll scrapers - high resistance blades
- 14 Dust outlet of the feeder
- 15 Pneumatic piston for the flow regulator with automatic closing in case of lack of energy

- 16 Adjustment of the gap between rolls
- 17 Central lubrication console
- 18 Hydraulic piston
- 19 Movable split bearing housing
- 20 Fixed split bearing housing
- 21 Anti-vibrating resin

### Feeding Hopper and Homogenizer Set

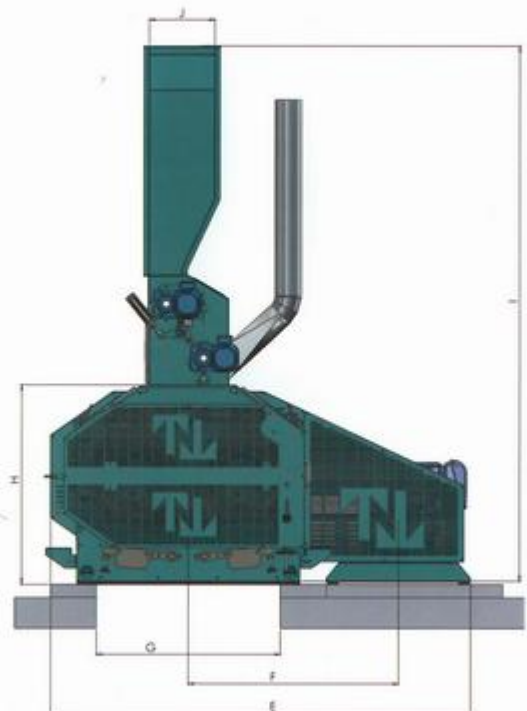
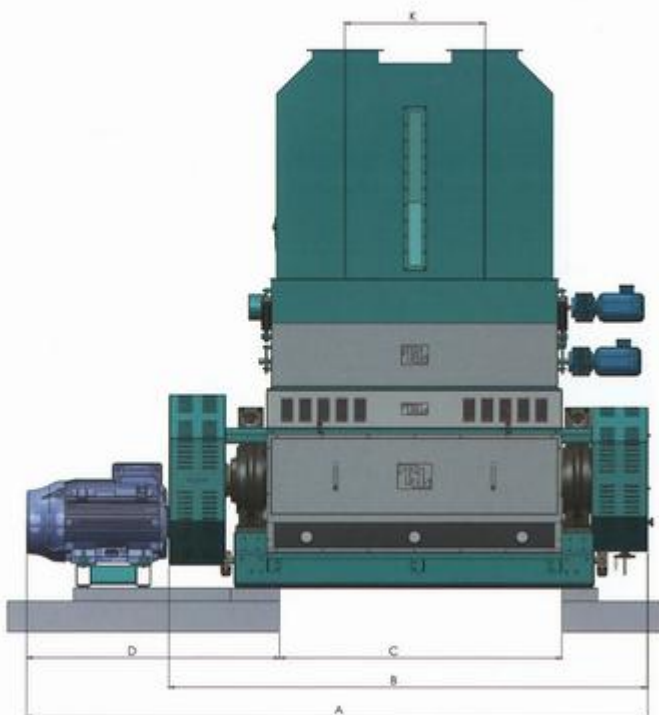


## Features

- Robust and easy to operate.
- Equipped with first line rolls, manufactured in Europe.
- Power transmission by only one motor, what allows equal maintenance of the two rolls if compared to flakers with one motor for each roll. The speed difference between the rolls is obtained by transmission with pulleys and belts, providing a work of disruption of oil cells much more efficient.
- Easy removal and mounting of the rolls from the frame. Split bearing houses help the job and there is no need to remove them. Removal of hydraulic cylinders is also not necessary.
- Flaking rolls mounted with spherical roller bearings drive system which provides different speed for each roll.
- The adjustment of the flake thickness is done by hydraulic piston system, with independent pressure adjustments through external device, mounted in the main body of the flaker.
- The feeding is done by an exclusive homogeneous distribution system, with double shafts for mixing materials with different granulometry. Feeder is equipped with self-cleaning magnet system.
- Safety stopper to avoid collision between rolls, easy adjustment performed by the operator without the need of long stops.

## Dimensions

	A	B	C	D	E	F	G	H	I	J	K
<b>TRH-600</b>	3360	2465	1330	1460	2840	1180	1170	1250	2950	500	-
<b>TRH-700</b>	3470	2665	1620	1580	3000	1170	1200	1350	3300	500	-
<b>TRH-800</b>	4640	3560	2150	1790	3620	1750	1150	1537	3590	500	1060



## Sizes/Capacities

SOYBEAN BASIS	TRH-600	TRH-700	TRH-800
CAPACITY (TPD)	200	330	500
POWER (hp)	125	150	200
ROLLS Ø	600	711	800
LENGTH	1300	1575	2100
WEIGHT (ton)	10	16	20

- Automatic operation;
- All covers are made of stainless steel;
- Set on vibration dampers. Special fixtures are not required;
- Automatic control of the roll opening according to the quantity of material;
- Automation of feeding flow by the main motor amperage. Electric system with frequency inverter;
- Sensors to check the accumulation of material on the rolls.

## Tecnal Around the World



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