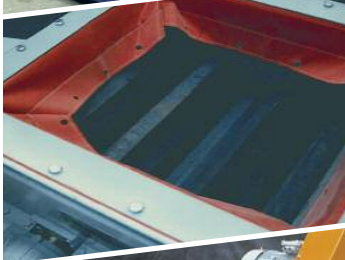




Crusher



Lump Breaker Inlet



Lump Breaker

ROLLER CRUSHER ADVANTAGES

- / Optimized design for fertilizer production
- / Homogeneity of the milled product with poor production of fines
- / No broken granules
- / Particle size adjustment in operation by varying the spacing between rollers
- / Significant reduction in the recycling rate in the granulation/drying loop
- / Upgrade existing line
- / Low maintenance cost
- / Low risk of plugging in case of overflow

- / The Promill mill range is composed of **double-roller mills DUO** and **triple-roller mills TRIO** of which 250 machines have been installed in several countries.
- / The Promill roller mill was **developed over 40 years** in close collaboration with one of the world's biggest fertilizer producers in order to **optimize production quality and plant capacity**.
- / The installation of Promill crushers **boost production of existing lines by around 15%** through the replacement of worn chain or hammer mills.
- / As complementary equipment, Promill offers double squirrel-cage lump crushers which are **specially designed to disintegrate clumps of granular fertilizer**.

ROLLER CRUSHER MAIN FEATURES

- / Rugged design
- / Production rates from 15 t/h to 50 t/h
- / Rollers made of G hardened cast iron
- / One roller fixed on mobile frame held by two hydraulic jack
- / Common supporting frame for crusher, motors and hydraulic unit

LUMP MAIN FEATURES

- / Throughput from 25 to 55 t/h
- / Average grain size at outlet in mm: 0.15 to 15
- / Maximum size of lumps: 300 mm
- / Rotation speed of the two rotors: 900 rpm

PROMILL TRIO CRUSHER

- / Milling is performed in two stages by two rollers (driven by same motor) mounted on a fixed frame (rollers 1 and 3) and a roller fastened to an articulated lifting bar driven by a second motor (roller 2). Roller 1 is grooved whereas rollers 2 and 3 are embossed. The product is therefore ground (or crushed in fact) in two successive stages, roller 2 rotates in opposite direction to rollers 1 and 3.
- / The spacing between the rollers is adjustable in operation with the ratio between the inlet (between rollers 1 and 2) and the outlet (between rollers 2 and 3) remaining constant as a result of lifting bar travel.

TECHNICAL DATA

Crusher Type	TRIO 600 - 500	TRIO 600 - 1000	TRIO 600 - 1400
Capacity (t/h)	15	30	50
Dimension A (mm)	3150	3920	4320
Dimension B (mm)	2260	2260	2260
Dimension C (mm)	2150	2150	2150
Net Weight (kg)	8000	12500	14500
Installed Power (kW)	11 + 22	22 + 45	37 + 75

FIELDS OF APPLICATION

- / MCP
- / NPK
- / Ammonium Nitrate
- / DAP
- / UREA
- / SALT

