

# TITAN MILL

## MPT TITAN BALL MILLS

Based on the MPT TITAN™ design, the Mills are girth gear & dual pinion driven with self-aligned flanged motors, running on hydrodynamic oil lubricated bearings. High carrying capacity

The TITAN design enables you to run full process load & 40% Ball charge at 80% critical speed – Max grinding power for every shell size.

### Standard Mill Types Available:

- ▶ Overflow Ball Mill
- ▶ Grated / Diaphragm Ball Mill
- ▶ Peripheral Discharge Ball Mill
- ▶ Rod Mill

MILL SIZE	POWER	Capacity @ BWI-13, P <sub>so</sub> - 125µm	Capacity @ BWI-18, P <sub>so</sub> - 75µm
(m) x (m)	kW	TPH	TPH
1.2 X 2.4	37	3	1.5
1.5 X 2.4	60	5	2.5
1.5 X 3.0	75	6	3.1
1.8 X 3.0	110	9	4.8
1.8 X 3.6	150	13	6.5
2.1 X 3.6	220	20	10
2.1 X 4.2	264	25	12
2.5 X 3.6	320	29	15
2.5 X 5.0	400	38	19
3.0 X 4.2	520	50	25
3.0 X 5.2	660	60	30
3.0 X 6.0	800	80	40
3.5 X 6.0	1 000	102	58
3.5 X 7.0	1 320	132	68



\*The Complete TITAN range is proudly South African designed & manufactured.

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### The TITAN designed drive housings & Bearing system:

- ▶ Fits the flanged drive motors (IP66 Premium efficiency) to align as the drive housing self-aligns with the shell.
- ▶ Runs with a single lubrication system, responsible for both the hydrodynamic lift and gear system lubrication.
- ▶ All drive forces are absorbed in the Modular steel unit, none are transferred to foundation.
- ▶ Standard Modular Package Includes:
- ▶ Hydraulic lift at start-up

### Standard Modular Package Includes:

- ▶ Single Mill shell with liners & lifter-bars (bi-directional)
- ▶ Lubrication system for drive gear system & hydrodynamic bearing.
- ▶ Discharge Trommel Screen
- ▶ Inlet Chute (sealed)
- ▶ Discharge Sump (flanged)
- ▶ Jacking Cradles for maintenance lift.
- ▶ Base-frame with guards.
- ▶ 18 Months EXW warranty with maintenance inspection contract.



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