

# BALL CHARGING & GRINDING MEDIA HANDLING

AUTOMATIC SAFE SORTING AND HANDLING OF GRINDING  
MEDIA IN THE RANGE 27mm TO 150mm DIAMETER.



**TRANSMIN**



# AUTOMATIC BALL CHARGE HANDLING SYSTEMS

Tonnes of grinding media, normally in the form of steel balls, are consumed by all process plants having mills as part of their comminution process. The handling of heavy steel balls can be a safety issue when drums of balls are hoisted and tipped, often manually, into chutes and mill inlets.

Transmin has a range of systems available to safely store and feed balls from simple kibbles through to complex handling systems comprising of storage hoppers connected to ball feeders of the cassette or 'star feeder' type. These devices

can feed directly into mill feed chutes or conveyors which are often the most cost effective solution.

For larger plants we incorporate side wall 'pocket belt' conveyors to elevate the balls within the plant and then transfer to flat belt conveyors incorporating multiple mill feed stations in the form of pneumatic ploughs and gates to feed multiple mills on demand. Recent projects have included feed conveyors over 100m long with up to five outlet ploughs.

## Features:

### ► Self Clearing

A self clearing mechanism is utilised to prevent jamming of balls.

### ► Modular Construction

Designed in modular sections comprising storage hopper, kibble chute and either slot or star feeder means all duties can be accommodated.

### ► Alarm Facility

The ball chargers feature an alarm facility to indicate feeder empty or blocked chute.

### ► Meter Rate

The capability to infinitely vary the ball metering rate.

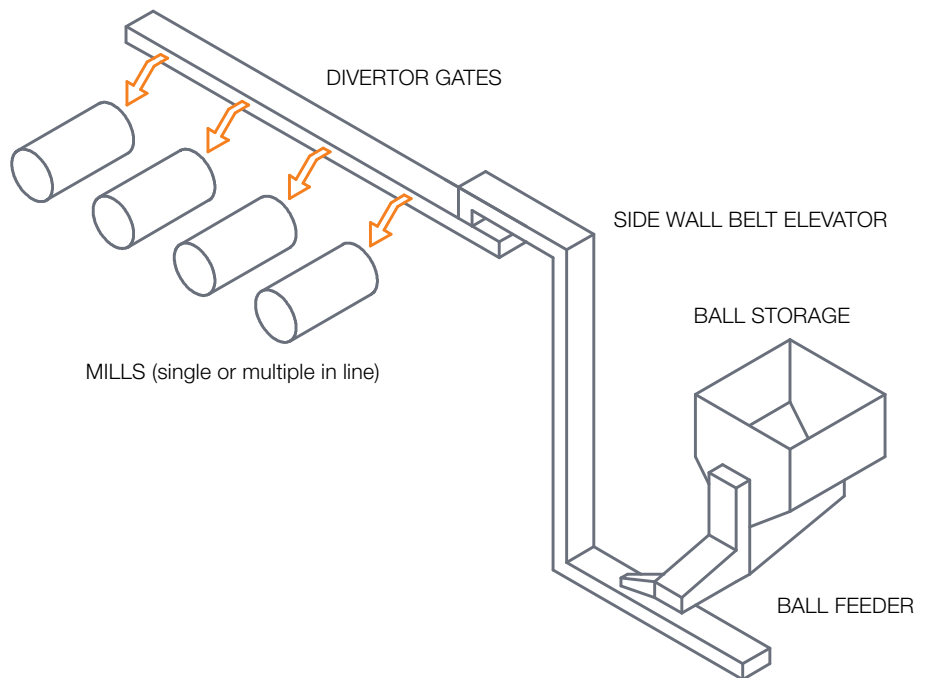
### ► Safe & Compact Design

A safe and compact design that has a hoist to elevate an opened 200 litre drum of balls and tip the contents into the feeder kibble. Standard kibble capacity is 600 litres.

In the kibble and feed chute the balls are sorted into a single depth for presentation to the slot feeder. Our standard design can handle 30, 52 and 80mm balls simultaneously.



**COMPLETE BALL  
HANDLING SYSTEMS  
FROM DELIVERY TO MILLS**





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