



Product

EMX Caliper

Application

Barrel Reclaimer Drives

Highlights

- EMX calipers installed between motors and gearboxes
- Spring applied, electrically released brakes hold the machine when stationary
- Provides a controlled and accurate stop

In Scunthorpe, UK is a steel plant that is one of the most modern steel making facilities in the world. It produces good quality steel and therefore requires very accurate blending of its raw materials.

The raw materials for steel making (coke, iron, ore and limestone) are stored in bunkers and, when required, are automatically weighed and fed by controlled routes to the ore blending plant.

The material is then recovered by one of the two barrel reclaimers which can operate on any one of the four beds. The material collects in the barrel and by rotation is blended before it falls onto a conveyor passing through the barrel. This conveyor then discharges the reclaimed material onto a belt which runs the length of the stockpile area.

The prime movers for rotating the barrel are two motors driving through gearboxes to the main drive mechanisms.

When stopping these it is important to ensure that the barrel reclaiming buckets are clear of the reclaimed bed area. To ensure this Twiflex EMX calipers are installed between the motors and gearboxes and are applied to give a controlled and accurate stop. The brakes are fail safe and, being spring applied and electrically released, hold the machine when stationary.

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