Stacker/Reclaimers - Product Range

Sandvik stacker/reclaimers come in two main types: bucket-wheel models for alternate stacking and reclaiming, and circular units, which normally stack and reclaim the material simultaneously, but can be designed to do so simultaneously if required. Our bucket-wheel models, normally supplied complete with tripper cars, are compact and economical for longitudinal stockyards where simultaneous stacking and reclaiming is not required and where there can be large variations in the demand for stacking and reclaiming capacity. Our standard circular units, which stack in ring-shaped stockpile and are normally housed inside a covered dome due to environmental concerns, both continually stack the stockpile at one end of the ring and reclaim the material simultaneously from the other end.

**Boom Type Bucket Wheel Stacker/Reclaimers PD100 - PD190**

Boom on rails or crawler, Sandvik bucket-wheel stacker/reclaimer rigs can be supplied in many configurations and sizes, with booms up to 40 meters in length and stacking/reclaiming capacities up to 50,000 tonnes per hour. Like all Sandvik handling machines, they are controlled by state-of-the-art PLC (programmable logic controllers) systems with user-friendly interfaces and can be supplied with advanced automation capabilities. Tripper cars or tripper systems for transferring material from the yard conveyor to the stacker/reclaimer are considered part of the machine. All of our units are custom built for each individual application, with the customer’s needs in mind.

**PD100 - Pylon Type**

As on the Sandvik reclaimer the pylon-type stacker/reclaimer design represents consistent performance and combines a good ratio between machine weight and capacity. Very popular in low to medium bulk density applications and medium ore applications.

**PD200 - Rocker Type**

Super-duty machine - maximises the extraction of the center of gravity in operation to allow very high capacities and an economic rail gauge, and to keep utilizable stockyard width at a maximum. The tripper car can be designed to be retracted to allow higher slew angles during reclaiming mode.

**Circular Stacker/Reclaimers PD300**

In circular stockpiles, normally housed inside a dome, the pile is built up automatically at one end and reclaimed layer by layer from the other end using a cone-shell stacking method for 360 degrees of rotation, and reclaimed alternatively at the other end by a radial scraper-type reclaimer. The latter reclaims the material from the base of the pile cross-section and conveyes it into a central hopper located under the central column. If required, the rig can be designed to stack and reclaim simultaneously.

**PD100 - 1600/43, Tianjin I - China**

**PD200 - 2000/62, Dalrymple Bay 7X - Australia**

**PD300 - 3500/100+120, Ho Ping Dome 1 & 2 - Taiwan**

**PD100 - 1600/43, Antwerp - Belgium**

**PD200 - 2000/62, Vitoria - Brazil**

**PD300 - 3500/100+120, Ho Ping Dome 1 - Taiwan**

**PD100 - 1800/43, Tianjin I - China**

**PD200 - 2200/60, Abbot Point - Australia**

**PD300 - 4000/1500+120, Hsinta - Taiwan**
Sandvik offers a variety of reliable long travel drive systems suitable for all kinds of applications and environments. Automatic lubrication and advanced sealing systems of the wheel bearings ensure a long lifetime for these important machine components.

**In-House Conveyor Components**

The reliability of machinery is one of the most important issues in stockyards - achieved through the consistent functioning of conveyor components on the conveyor systems of stacker/reclaimers. Sandvik’s offering includes components with an emphasis on performance and dependability for various applications. Our primary objective is to ensure high productivity through the continuous operation of our entire range of Stock and Pile. This includes safety and control devices to be sure that both personnel and equipment function without incident.