Bucket-wheel Stackers/Reclaimers

Bucket-wheel stackers/reclaimers are combined machines which are intended to form open-air coal stockyards close to the excavation sites, power/heat stations or harbors. The rated capacity is 2500 t/h for stacking and 1500 t/h for reclaiming. Other parameters can be given on further demand.

The machine is composed of a portal with three-point wheel undercarriage which travels on the rails over the stockyard conveyor, slewdeck, bucket-wheel boom with hydraulic lifting and chamberless wheel, a central pylon with balancing boom, an intermediate conveyor and a tripper car with hydraulic dumping.

The machine has 5 technological functions:
(1) stacking on a stockpile – (2) reclaiming from the stockpile – (3) throughput of the material on stockyard conveyor – (4) throughput with partial reclaiming – (5) throughput with partial stacking

All the technological functions are run in fully automated regime, however, they also allow partial manual operation on request of the staff or in case of defects.

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