

RSM 13000

Uni-Shear

Highest engineering quality



The system integrates the RSM 50.300 shear with conveyor width of 320mm. Option of single side or double side cut steel storage. The gauge table discharges the cut steel with pneumatically operated tilt action in both directions into 3, 4 or 5 storage bins per side. The conveyor rollers are 45 degree gravity coned to prevent steel running off the conveyor rollers.

The measuring assembly which is very robust, includes built in shock absorption and is driven by a heavy duty chain drive connected on both sides by a common drive shaft. The measuring assembly is positioned through an electric brake motor controlled by an Axis Positioning Module (APM). The system has a proven track record in many countries for many years of trouble free operation. The cut steel storage bin assemblies are heavy welded construction, fixed assembly in groups of 4 pockets per section. The section gates are operated by pneumatic actuator connected to a common shaft per bin.

The hinged intermediate conveyor drops with the shear stroke thus relieving pressure on the conveyor rollers

and preventing upward force on the steel during the shear stroke. The scrap storage bin is situated under the shear jaws.

The entry conveyor and stock rack system is offered with single side 3 levels of stock or double side with 3 levels.

Pneumatically operated gravity gates which disappear below each stock level when opened, assure that damage cannot occur during loading or unloading of steel.

- Each level can carry 5 tons point load.
- Conveyor speeds on both the entry conveyor and gauge table is 100 meters per minute.
- The two independent conveyor systems are driven by geared motors.
- Pneumatically operated pre-loaders enable a continuous cycle of stock bar separation, gravity feed to preload position and discharge onto entry conveyor whilst the shear operator is processing the previous selected job.
- The system is equipped with operation platforms and walk-way lanes to access all areas of the stock levels and conveyor controls are mounted on either side of the machine.

