

Industrial Solutions for the mining and materials handling industry

Drum Reclaimer



thyssenkrupp



Highest possible homogenization combined with low maintenance costs

2,000 t/h handling capacity

Drum Reclaimer ILVA at Taranto Plant, Italy, for blending yard application

In 2005, thyssenkrupp Industrial Solutions was awarded the contract for the design, engineering, supply and installation of two drum reclaimers at the ILVA steelworks in Taranto, Italy, which belong to the RIVA Group.

The success story began in January 2004 when thyssenkrupp Industrial Solutions overcame strong national and international competition to win the order for the turnkey supply of a combined bucket wheel stacker reclaimer.

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Drum Reclaimer

Highly reliable blending machines for ILVA Taranto

This success continued in October 2004 when the contract was awarded to supply an identical machine and, as the co-operation between the two companies has flourished, thyssenkrupp Industrial Solutions was chosen to supply 2 new drum reclaimers for the same steelworks in 2005.

Both machines, which were put into commercial operation in August 2006, are used to homogenize, blend and feed the iron ore to the steelworks at a rated capacity of 2,000 t/h (max. 2,100 t/h).



Blending reclaiming operation

Technical Specification

General data

Design/Type:	TAS 38
Reclaiming mode:	unidirectional
Reclaiming capacity:	2,000 t/h (max. 2,100 t/h)
Material handled	iron ore fine mix
Material size:	0 - 10 mm
Drum type:	single shell
Drum shell outer diameter:	4,200 mm
Cutting diameter:	5,700 mm
Number of revolutions:	3 /min to 5 /min
Number of buckets:	48
Rail gauge:	38m
Belt width:	1,400 mm
Belt speed:	2.0 m/s
Stockpile cross-section:	pile base width 36 m pile height 14 m
Total power installed:	300 kW
Service weight:	375 tons



Specially designed buckets

Following a standstill of drum reclaimer business in Europe for a long time, thyssenkrupp Industrial Solutions has once again set the precedent for high capacity, high performance and highly reliable blending machines operating in steelworks.

Due to design improvements, the new drum reclaimers feature reduced wear, weight and power consumption, while still achieving the optimum homogenization and reclaiming process.



Large size rake

Special Features

- very large steady flow of materials
- large capacity reserves
- low weight of the drum body
- low power consumption
- low wear
- extremely short period for initial cut into the stockpile
- optimum mixing and blending effects
- simultaneous reclaiming of materials from the entire cross section of the stockpile whilst the material flows down to the buckets
- automatic operation
- short maintenance and downtime

Contact

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