



SORTING AND RECHARGE SERVICES MIDES®



Sort: 6 to 12tn/hr
Recharge: 25 to 40tn/hr
Customers 100% satisfied





MIDES® Services with the following parameters

In charge of the client:

Discharge of ball mill load and internal cleaning of mill.

In charge of MIDES:

- Separation and cleaning of reusable balls by different sizes, removal of scrap, of defective balls of the load and dust.
- Weigh the balls by different sizes.
- Cargo handling in Big Bags.
- Recharge the Mill.
- General cleaning of the work area.

Resources used by MIDES®

Mobilization of the following equipment's:

- MIDES® Sorter/Recycler machine, with big bag system.



- MIDES® Recharger



- Mini loader equipped with scale for weighing already recycled balls.





Services:

- Labor required for equipment operation.

NOTE: All transportation of our equipment is carried out in MIDES® truck.



- The preparation of the equipment for starting the services takes approximately 1 hour. The MIDES® recycler can be connected to 220, 380 or 440 Vac.

COMMENTS:

Service to be executed in 1 daily shift of 10 hours, including Saturdays, Sundays and holidays or according to schedule defined by the client, limited to the maximum of 10 hours.

Expected start date – **SCHEDULE SHOULD BE AT LEAST 30 DAYS IN ADVANCE**

MIDES® can perform the service in two shifts of 8 hours each. To this end, the Client must provide, on his behalf, two helpers per shift.



Comparison between MIDES® Sorter and others

TYPES OF SORTING MACHINE			
		MIDES® Sorter model CLF10 4 th Generation:	Magotteaux Sorter or similar. Sorter made with 2 rolls
Scrap and Dust	Dust:		> 98%
	Small Scrap(< 13 mm):		> 98%
	Scrap		100%
	Deformed or split balls:		> 98% (Adjustable)
Grinding media with good quality	Ø 15 mm:	13 < Ø < 17 mm:	> 98%
	Ø 20 mm:	17 < Ø < 22 mm:	> 98%
	Ø 25 mm:	22 < Ø < 27 mm:	> 98%
	Ø 30 mm:	27 < Ø < 35 mm:	> 98%
	Ø 40 mm:	35 < Ø < 45 mm:	> 98%
	Ø 50 mm:	45 < Ø < 55 mm:	> 98%
	Ø 60 mm:	55 < Ø < 65 mm:	> 98%
	Ø 70 mm:	65 < Ø < 75 mm:	> 98%
	Ø 80 mm:	75 < Ø < 85 mm:	> 98%
	Ø 90 mm:	85 < Ø mm:	> 98%
Main Features	Emission of dust to the environment:		Machine closed. Near 0% emission of dust to atmosphere.
	Noise level:		<85 dB (Machine closed)
	Labor:		2 MIDES® workers
	Production rate (tn per Hour):		6 to 12tn/h - both chambers are sorted at the same time
	Security in the execution of the Services:		Machine closed. Workers do NOT touch the moving parts of the machine. ZERO risk of accidents.
			100% emission of dust to atmosphere
			> 100 dB
			≥ 4 factory workers
			2-5 t / hr for the 2nd Chamber and 5-10 t / hr for the 1st Chamber
			Open machine. Operators CAN touch the machine. HIGH risk of accident.
<p>MIDES® Turn-Key Services, from Sortinf into Recharge. Customers with 0 cost with equipment rental or labor.</p> <p>MORE SAFETY, MORE EFFICIENCY, MORE PRODUCTION - BETTER SERVICE - PROVEN BY CUSTOMERS.</p>			



MIDES® Advantages of Sorting and Recharging Services

Description:	MIDES® Sorter model CLF10 4th Generation	Magotteaux Sorter or similar. Sorter made with 2 rolls	If you use the MIDES® Services, your Mill obtains:
Disposal of residual grinding dust	> 98%	Does not Sort, 100% mixed	ELIMINATION OF CLOGGING FOR THE GRIDS. MAINLY THE DISCHARGE GRID.
Elimination of small scrap (<13 mm) from the grinding media	> 98%		
Elimination of deformed or broken grinding media	100% e > 98% (Adjustable)		
Accurate sorting of the small grinding media (15, 20, 25, 30 and 40 mm):	> 98%		INCREASING THE EFFICIENCY OF THE MILLING PROCESS
Accurate sorting of large grinding load (50, 60, 70, 80 and 90 mm):	> 98%	< 90% Grinding media separated with dust and mixed with small scrap, scrap and deformed	GRANULATION INTENDED WITH MORE EFFECTIVE. REDUCTION GRINDING MEDIA STOCK

COMMENTS

Table follows international standards for separation of grinding media.

Maintenance to unclog Mill grids is dangerous, costly and time-consuming. With MIDES® Sorting Services you can end this problem.

After using the MIDES® Sorting Services, we found that a customer had a 35% defective grinding media for milling, simply because he could not remove the scrap from it using the Magotteaux Machine or similar. With MIDES® Sorting machine, we have been able to reduce the customer's cost of production and increase the production capacity of the mill.

Reduced Stocks, MIDES® has been able to reduce the current grinding media stock by 40%, after using MIDES® Sorting Services.

The production of MIDES® machines depends on the quality of the load to be recycled. Excessive contamination with dust and scrap diminish the rate of production. Not protecting the grinding media from weather and the distance between this and the MIDES® machines also affect the production rate.
IDEAL – Grinding media up to 1 year without recycling / sorting



Examples of customers

		Magotteaux Sorter or similar. Sorter made with 2 rolls		MIDES® Sorter model CLF10 4 th Generation	
Client:		Client n.º1		Client n.º2	
Mill:		Finish Mill n.º 1		Finish Mill n.º 1	
Date:		08-08-2017		03-02-2017	
Grinding Media Table:		Total Grinding Load (ton):	Percentage:	Total Grinding Load (ton):	Percentage:
2nd Chamber	Ø 15 mm:	0,00	0,00%	51,70	37,40%
	Ø 20 mm:	16,45	10,05%	43,02	31,12%
	Ø 25 mm:	60,29	36,82%	26,25	18,99%
	Ø 30 mm:	83,16	50,79%	17,26	12,49%
	Ø 40 mm:	3,83	2,34%	0,00	0,00%
Total:		163,73		138,23	
1st Chamber	Ø 50 mm:	9,33	13,18%	0,00	0,00%
	Ø 60 mm:	6,63	9,36%	6,80	13,52%
	Ø 70 mm:	14,22	20,08%	13,76	27,36%
	Ø 80 mm:	24,05	33,96%	17,73	35,25%
	Ø 90 mm:	16,58	23,41%	12,01	23,88%
Total:		70,81		50,30	

These data demonstrate that the MIDES® Sorting Service allows to obtain high quality cement produced at a LOW COST!



References:

Customer rating

- » Rating of **BEYOND EXPECTED** in **92%** of the customers who used our services;
- » Satisfied Classification in 8% of customers who used our services;
- » Classification of Unsatisfied in 0% of our customers.
- » All customers have re-used MIDES® Services and most of them have a Sorting and Recharge agreement with MIDES®.

Comments from some customers:

“Good services, the MIDES® Sorting machine works very well and is very accurate, the MIDES® Recharging machine is very fast”

“Good and Fast Service. Excellent quality..”

“Professional service, very good equipment for sorting and recharging”

Brand CE

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ATTESTATION D'APPROBATION DE SYSTEME DE QUALITE
CERTIFICATE OF QUALITY SYSTEM APPROVAL
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