



SOLID PROCESSING

Pneumatic Separators



BENEFITS

- Different finishing options available based on the product to be treated and the process' requirements.
- No need of external additional equipment such as fans, cyclones or filters due it works in a closed circuit.
- Installation and application process simplification thanks to the internal separation circuit.
- Vibration control module for predictable maintenance.



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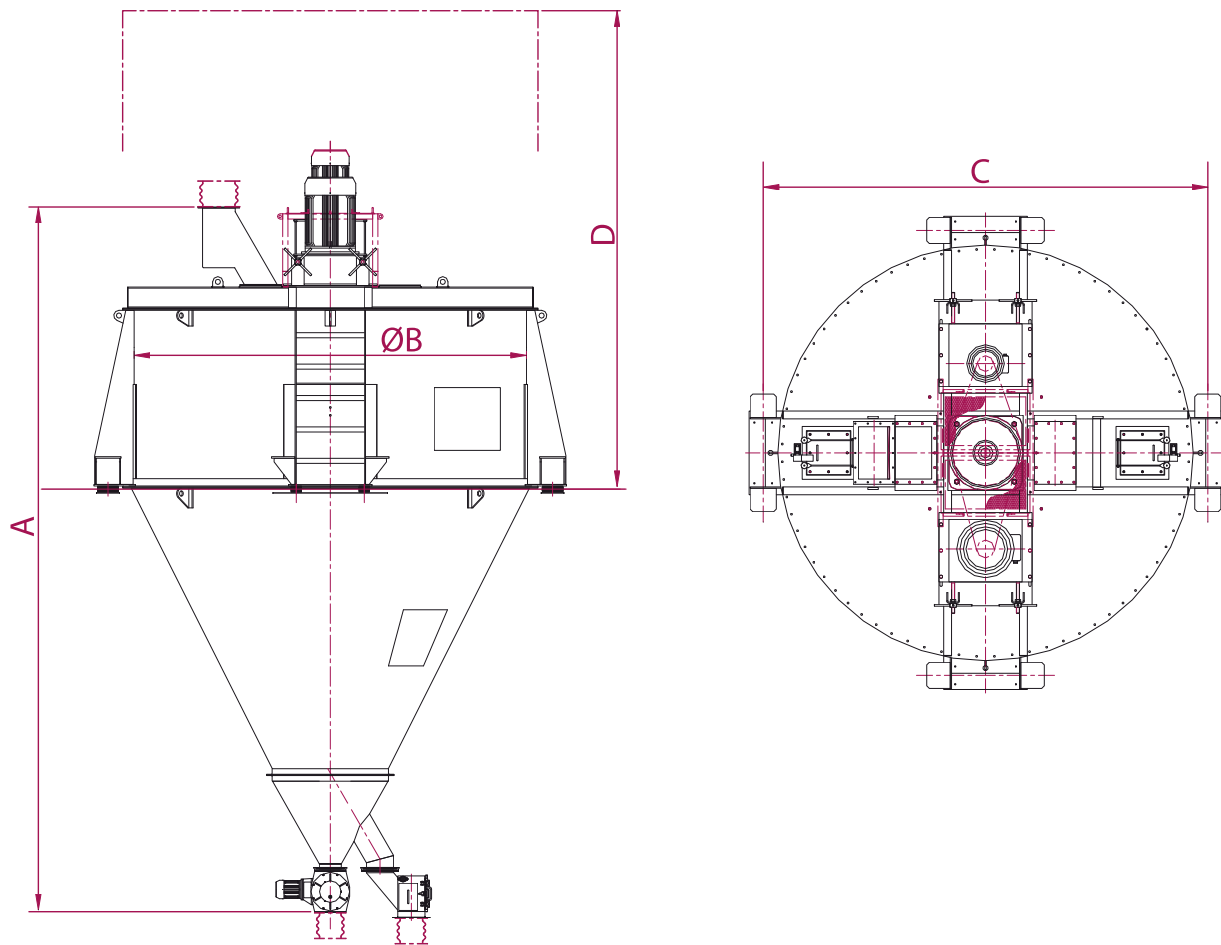
The Tecnicas Hidraulicas pneumatic separator has been designed to separate fine particles ($<100\text{ }\mu\text{m.}$) which are present in products demanding controlled fine particles processing. The equipment allows to obtain two highly differentiated products: a flux of fine material with a high degree of purity and a flux of coarse material which contains less fine particles than the one used on the feeding.

This type of pneumatic separator work in a closed circuit without the need of any external auxiliary equipment such as fans, cyclones or filters, and allows to simplify the installation and process application due its separation circuit is totally internal.

The fed product enters, in a controlled way, through the upper area, onto the feeding distribution plate where it is dispersed by means of the generated current by the main rotor. The ascending flowing, monitored by the positioning of the intermediate diaphragm shovels and by the rotor's spin rate, drags the fine particles which will be evacuated through the equipment's exterior casing. The coarse particles will be deposited in the interior body and evacuated through the bottom area.

There are different finishing options available depending the product that needs to be treated and the process' requirements: anti abrasive coating of specific areas, separating by the feeding distribution plate and rotor's drive for processing products with a higher degree of fineness, combining different types of discharge valves and introducing a vibration control module for predictable maintenance.

TECHNICAL SPECIFICATIONS



	15	21	25	28	31	38	42	49
A (mm)	3550	4250	4850	5400	5950	7010	7510	8410
B (mm)	1500	2100	2500	2800	3100	3800	4200	4900
C (mm)	1800	2450	2900	3200	3600	4250	4700	5440
D (mm)	2000	2750	3200	3800	4220	4600	5100	5800
Single Axis kW	11	15	22	30	37	45	75	110
Dual Axis Main Power kW	7,5	11	15	22	30	37	55	90
Dual Axis Secondary Power kW	4	7,5	11	15	18,5	22	30	37

*All the measures and dimensions in this catalogue are approximate only; they may be different from the real goods.

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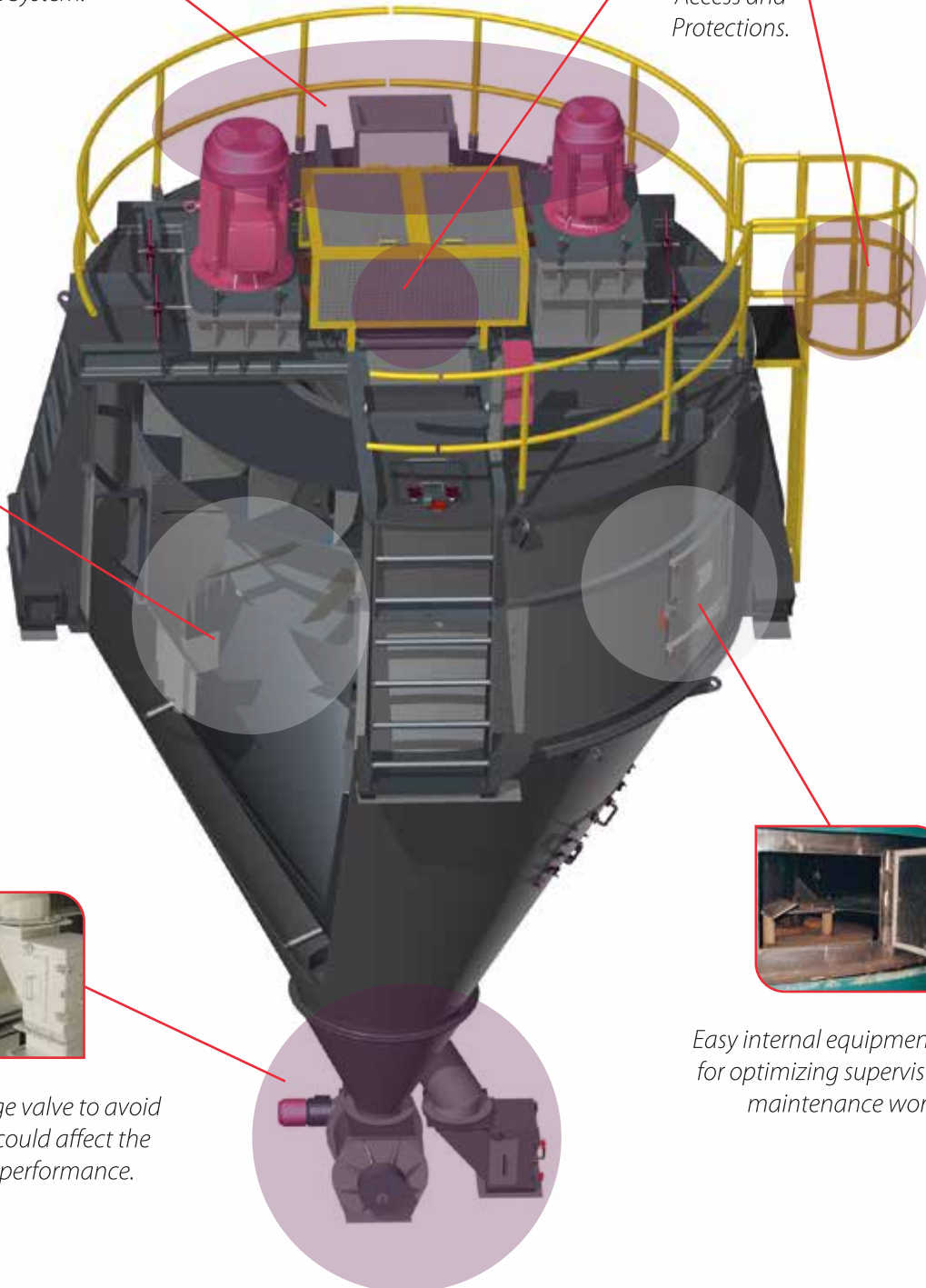


*Double or Single Shaft
with Belt Drive System.*



*Integrated
Access and
Protections.*

*State of Art in
Internal Design for
maximizing equipment
performance.*



*Airtight discharge valve to avoid
air intake that could affect the
classification performance.*



*Easy internal equipment access
for optimizing supervision and
maintenance works.*

EXPERIENCE

TH Minerals, Técnicas Hidráulicas' business unit for mining and metallurgy sectors, serves mines and quarries all over the world with a wide range of technological solutions, turnkey projects and process engineering services. With over 45 years of experience and strong focus on constant innovation, the company technology has been successfully implemented worldwide.



Canteras La Torreta (Spain)



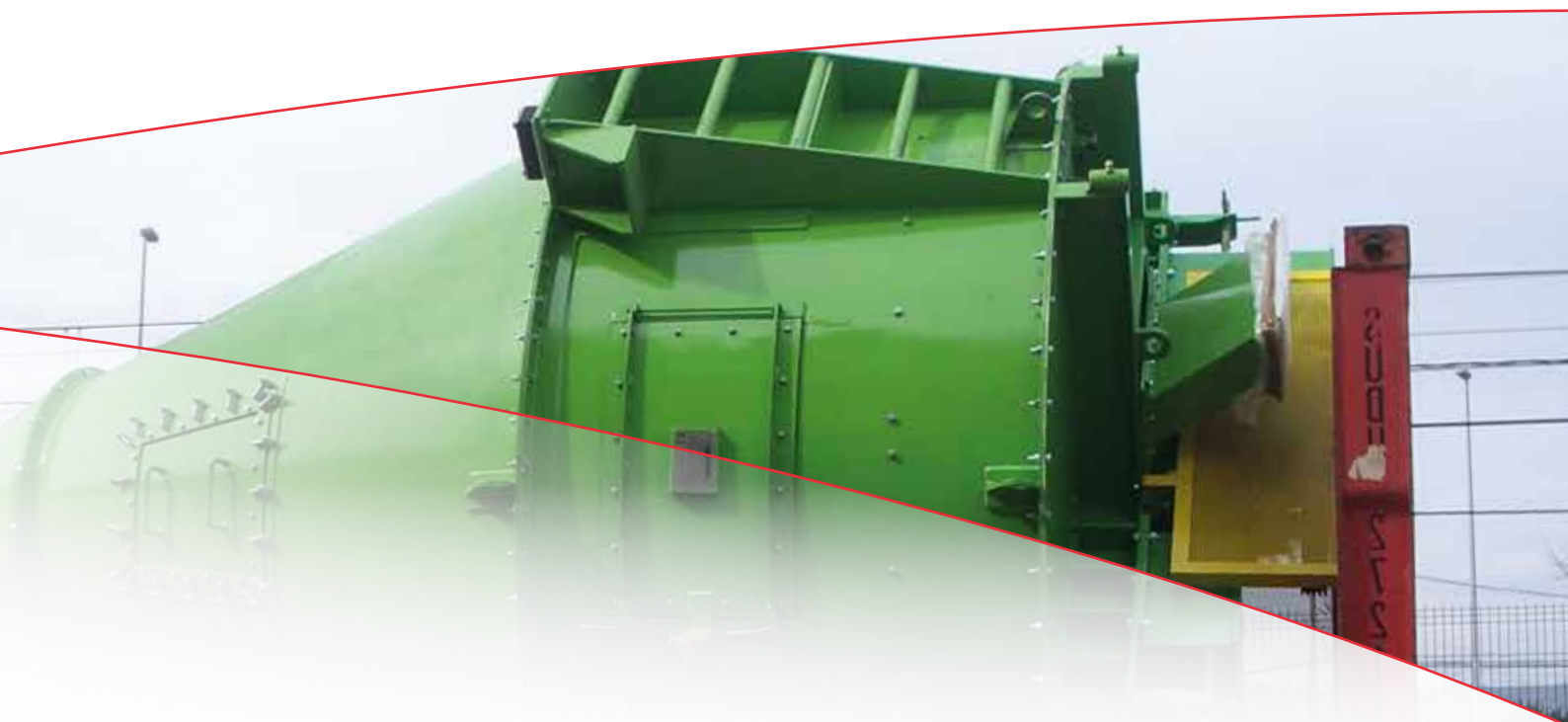
M-Tec (Guatemala)



Minerales del Brezo (Spain)



Yedesa (Spain)





*Over 45 years
helping our customers*

