

MOVE TO SUCCESS

optimistic.pt



OPTIMISTIC[®]

HI-TECH ROTARY EQUIPMENT

EXCELLENCE IN ROTARY EQUIPMENT MANUFACTURING

Optimistic is a Portuguese company with vast experience in rotary equipment manufacturing. We have also specialized in IGC integrally geared centrifugal compressors. Our highly skilled team is responsible for producing outstanding products according to the most demanding international standards.

In this brochure, we present our vast range of products, including compressors, fans, and blowers. The majority are produced in our 7000sqm factory in Batalha, Portugal.

Often idealized by our highly experienced engineers who carefully follow every project, we offer tailor-made solutions that match client specifications.

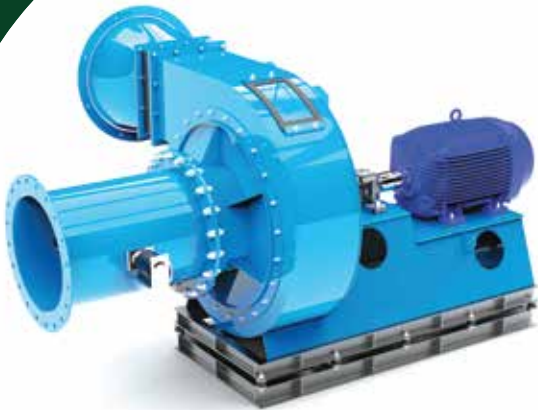
With optimism and determination, we operate to our best capabilities. Our highest ambition is to meet customer demand.

We would love to work with you: Move to success, move with Optimistic!



MOVE TO SUCCESS

CENTRIFUGAL FANS & BLOWERS



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CENTRIFUGAL FANS & BLOWERS

Manufactured according to the API 673 standard.

High reliability, serviceability, and efficiency, appropriate for high pressure applications, tested according to ASME PTC 10 & 11 standard.

Impeller Type	Backward & Forward
Pressure Ratio	Up to 1.2 (For Fans) - Up to 1.7 (For Blowers)
Capacity	Up to 500,000 m³/h
Gases Handled	Air & All Process Gases
Power Range	Up to 5 MW

COMPRESSORS

CENTRIFUGAL COMPRESSORS

Manufactured according to API 617 (Part 1 and 3) and API 672 standards.

Cost-effectiveness, efficiency, reliability, compact size, equipped with reliable and high-quality gearboxes (manufactured and designed according to AGMA 6011-J14 and API 677/API 613 standards).

Tested according to ASME PTC 10 standard in our own Test Bed.

Suction Pressure	Up to 70 bar
Discharge Pressure	Up to 100 bar
Suction Temperature	-60 to +200 °C
Power Range	Up to 10 MW
No. of Stages	1 to 4
Gases Handled	Air & All Process Gases
Impeller Type	Open & Covered



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AXIAL FANS



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Manufactured according to international standards. Low weight, optimized airfoils result in high efficiency.

Flow Rate	17000 - 80000 m³/h
Pressure	Up to 1600 Pa
Power Range	4 KW to 160 KW

RECIPROCATING COMPRESSORS

Manufactured in close partnership with worldwide famous bare block manufacturers, according to API 618 standard, with MRT tests performed at factory.

Suction Pressure	From to 1 bar
Discharge Pressure	Up to 450 bar
Suction Temperature	From -110 °C
No. of Stages	Up to 6 Cylinders / 6 Stages
Gases Handled	Air & All Process Gases
Power Range	Up to 6.5 MW



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PRODUCTS

COMPRESSORS

MADE IN PORTUGAL



SCREW COMPRESSORS

Manufactured in close collaboration with reliable European manufacturers, according to API 619 standard and MRT tests are performed at OPTIMISTIC factory.

Oil-free or oil-injected, applicable for air and all types of process gases.



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Suction Pressure	Atmospheric
Discharge Pressure	Up to 13 barG
Power Range	5.5 KW to 1800 KW
Gases handled	Air, Nitrogen, Hydrocarbon & All Process Gases

PACKAGES

CUSTOM PROCESS PACKAGES

At Optimistic Plus, we design and deliver high-performance process packages tailored to meet the demanding requirements of industries such as Oil & Gas, Power & Energy, and beyond. Our engineered solutions ensure reliability, efficiency, and compliance with global standards, including API, ASME, DIN, helping you optimize operations and reduce downtime.

Process Packages including :

- Refrigeration Packages
- Gas Compression and Dehydration Units
- Cooling Packages
- Nitrogen Generation Package



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PERFORMANCE TESTS

It is common for customers and buyers of turbomachinery to request a MRT (Mechanical Running Test) and a performance test for their equipment at the manufacturer plant. This test is always performed in OPTIMISTIC factory, according to ANSI/AMCA 210/ASME PTC 11 standards for fans and blowers. For the compressors, it's according to ASME PTC 10 standard.

Our test bed power capacity is 12 MW. If power consumption of the equipment is more than available in our factory, those tests will be performed in similar conditions with a lower speed and power consumption. In this case, the conditions of AMCA 802 standard will be applied for the fans and blowers and the ASME PTC standard for the compressors.





SERVICES



REPAIR



MAINTENANCE



REVERSE
ENGINEERING



REVAMPING
& OVERHAUL



TAILOR-MADE
SOLUTIONS



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*Batalha Industrial Unit included



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