



HOWDEN THOMASSEN COMPRESSORS TURBOMACHINERY

RE-AEROS - FOOTPRINT NEW BUILT COMPRESSORS - RETROFITS - ADVANCED ENGINEERING

ENHANCE THE PERFORMANCE OF YOUR TURBOMACHINERY AND REDUCE THE CARBON FOOTPRINT OF YOUR PLANT AT THE SAME TIME, WITH THE OEM EXPERIENCE OF HOWDEN THOMASSEN COMPRESSORS.

RE-AEROS PROJECTS

When there are significant changes in a process requiring operation at different parameters, gas composition or efficiency improvement, the purchase of new equipment is not always necessary. In many cases, AERODYNAMICALLY re-designed rotors and diaphragms can be installed within the existing compressor casing, whether it was originally manufactured by Howden Thomassen or by another compressor manufacturer. This represents a competitive alternative compared to investment in new compressors, especially when the requirements for extra civil work and auxiliary equipment are taken into account.

FOOTPRINT NEW BUILT COMPRESSORS

Economically delivering a new state-of-the-art turbo compressor may be more efficient than upgrading the existing unit, from the perspective of return of investment, when factors as energy saving and equipment downtime are considered.

Howden Thomassen can offer you a new footprint compressor replacing the existing unit, taking advantage of its OEM knowledge in increasing turbomachinery maintainability using modular design and advanced manufacturing techniques.



**POWER REDUCTION
HIGH EFFICIENCY
LOW MAINTENANCE
MINIMUM OPERATING COST**

PASSION FOR COMPRESSION



ADVANCED ENGINEERING

At Howden Thomassen, reverse engineering is not just about copying parts. It's about using the latest OEM compressor design techniques to take the existing equipment to a new level. A core competence of Howden Thomassen is to apply such **ADVANCED ENGINEERING** on all kinds of turbo compressor components for any process, irrespective of the equipment manufacturer.

RETROFITS

Utilising our in-depth knowledge of rotor dynamics and the latest analytical design techniques, Howden Thomassen can retrofit many components including:

Optimised Seals – for oil free operation or reduced oil leakage, lower operating temperatures and improved gas sealing,

Optimised Bearings – for reduced sensitivity to vibration and improved rotor stability,

Flexible Element Couplings – for maintenance free and reliable operation.

FLEXIBILITY TO MEET YOUR PROCESS NEEDS

Howden Thomassen Compressors Turbomachinery applies an optimized design, tailor-made on the specific process application, in order to achieve:

- Energy saving and compliance with process requirements at specified designed points by using state-of-the-art software.
- Extended operating times between scheduled stops by advanced material selection and specific coatings application against corrosion, erosion and fouling phenomena's.
- Process gas purity by applying dry gas seals with customized control panels or modern mechanical wet seals.



For more information about our products for turbomachinery, please contact:

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Part of Howden's Compressor Division, Thomassen Compression Systems was acquired by Howden in 2011.