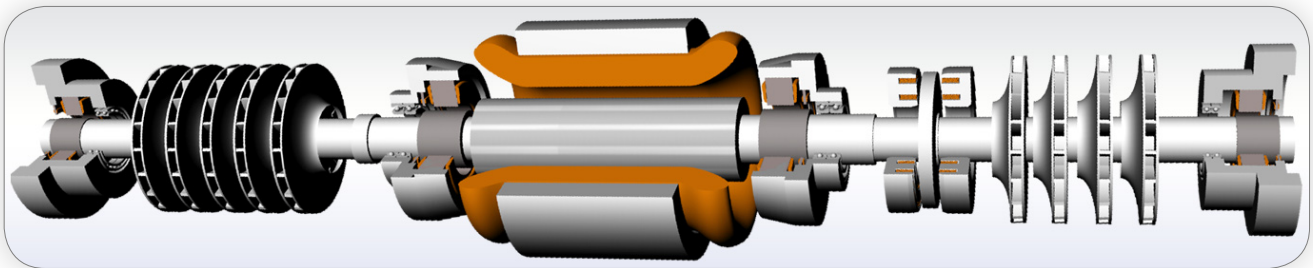




SEALED MOTORIZED COMPRESSOR

The main characteristic of this machine is its rigid shaft line, which is made of a high speed motor shaft extended by one or two compressor shafts. The design is fully hermetic.

The S2M solution : 2 radial bearings for the motor, 1 radial bearing at each compressor end(s), 1 thrust bearing, on one compressor side.



Overview of the rigid shaft line and the bearings.



Radial bearing cartridge (compressor end)
It is ready to be assembled in the machine.



Man Turbo HOFIM™ Sealed compressor in tandem configuration
with Converteam high speed motor
(application : gas storage facility Nüttermoor, Germany)

Advantages :

- Oil free design
- Immediate start (no pre-heating)
- Rotor dynamics control
- Vibration free operation
- Built-in monitoring
- No seal

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Shaft diameter : 150 to 270 mm

Speed range : 0 to 12,000 rpm

HOFIM™ : High Speed Oil Free Intelligent Motor Compressor

