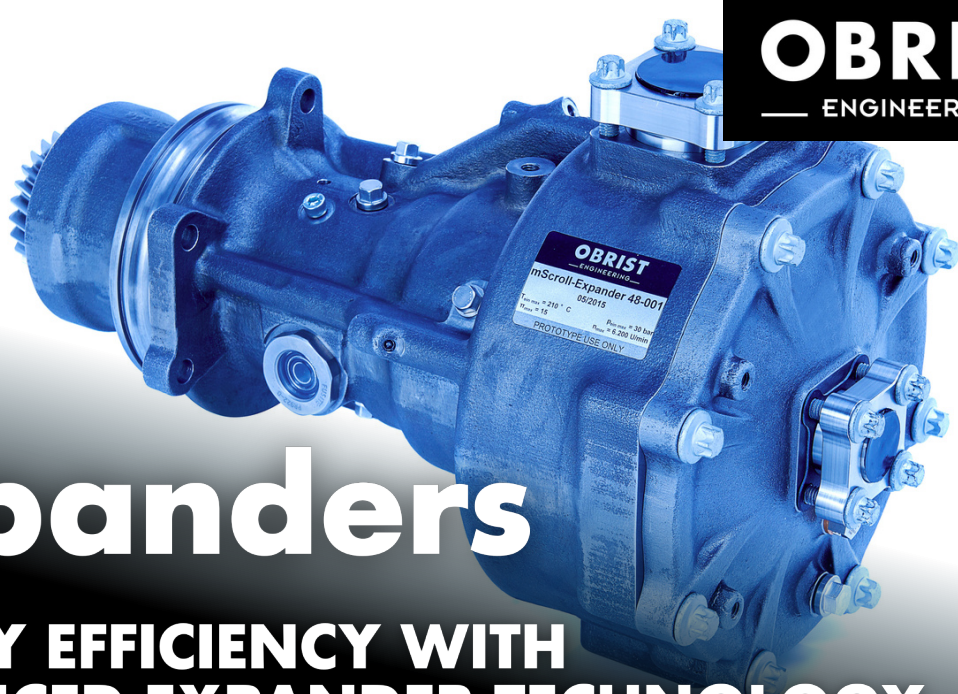




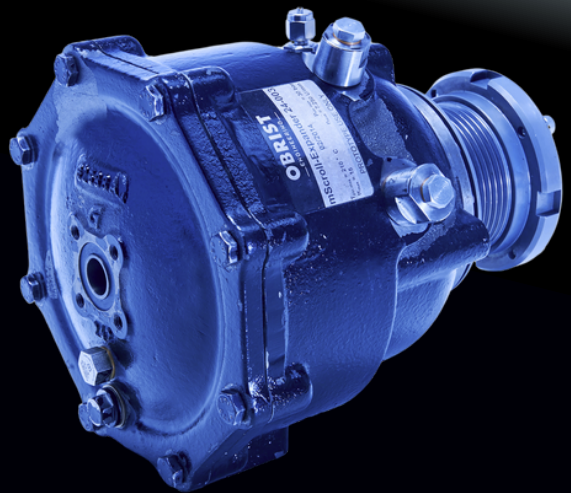
Expanders

ENERGY EFFICIENCY WITH ADVANCED EXPANDER TECHNOLOGY

Expanders Development Services

Innovative expanders designed to recover energy and boost performance across applications. Our expanders convert excess thermal energy into mechanical or electrical power, enhancing the efficiency of automotive, industrial, and commercial systems.

Waste heat recovery or optimizing Rankine cycle systems, our expanders provide significant fuel savings, reduced emissions, and improved overall performance.



Benefits

Energy Recovery

Capture and reuse wasted thermal energy to reduce fuel consumption and emissions.

Cost Effective & Eco-Friendly

By efficiently capturing and reusing wasted heat energy: reduce fuel, operational costs and CO₂ emissions, contributing to a greener footprint.

High Efficiency

Convert up to 80% of waste heat into usable mechanical or electrical power.

Durability & Reliability

Long-term performance in demanding environments.

Technical Specifications

Technology

Scroll technology for ethanol, cyclopentante or other hydrocarbons (Rankine cycle)

Applications

Heavy-duty vehicles and industrial power recovery systems

Speed Range

up to 5000 rpm

Displacements

Up to 210 cc

Pressure

Up to 30 bar & up to 15 pressure ratio

Design

Electric, Power Take Off or Freewheel