

CASE STUDY

Your On-Call Turboexpander Experts

Contact us today for
turboexpander design,
repair or support services.

+1855 FXTurbo™
24/7/365
Support Services

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Turboexpander Design

LAT524ED Turboexpander- Dynamometer

L.A. Turbine designed and manufactured this turboexpander-dynamometer for use in an air separation application at a gas processing plant in Brazil. The LAT524ED is built on a L.A. Turbine L1000 frame.

Specifications

| | |
|-----------------------------|------------------|
| Frame Size | L1000 |
| Speed | 40,000 RPM |
| Flow Rate | 3 MMSCFD |
| Inlet Pressure/Temperature | 70 PSIA/-228°F |
| Outlet Pressure/Temperature | 18.6 PSIA/-292°F |
| Wheel Power | 32 hp |


L.A. Turbine™
A Chart Industries Company

www.LATurbine.com

L.A. Turbine designs and manufactures application-specific, highly engineered turboexpanders used in hydrocarbon processing, geothermal power generation and other industrial power recovery or refrigeration applications.

The company is also a recognized leader in aftermarket repair, redesign, maintenance and production of spare parts for all brands and configurations of turboexpanders worldwide.

A global field service team provides diagnostics, maintenance and emergency support 24/7/365.

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L.A. Turbine: Your On-Call Turboexpander Experts

Turboexpanders

Turboexpander configurations include expander-compressor, expander-generator, expander-dyno (oil brake) and expander-compressors with active magnetic bearing units. Turboexpanders range from 3kW to 14MW, are capable of handling up to 3,000 PSIG pressure, can operate at speeds up to 105,000 RPM, and accommodate temperatures between -195°C to 260°C.

Ability to Deliver

From concept to commissioning, L.A. Turbine controls and manages the entire design, engineering manufacturing, assembly and testing process for all new and aftermarket equipment. As a result, we are able to deliver faster-to-market customized solutions than competitive firms, and our equipment not only meets but often exceeds clients' output performance requirements. All engineering design and development processes comply with ISO 9001:2008.

Global Presence

L.A. Turbine has established a global presence on five continents, in 17 world offices and partner sales and distribution locations. U.S. headquarters and manufacturing are located in Valencia, California, with sales and service facilities in California and Europe.

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