

Corporate Fact Sheet
April 2017



Press Contact:

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Company: L.A. Turbine Corporation

Founded: January 15, 2003

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Products, Services and Presence

L.A. Turbine delivers innovative turboexpander design, manufacturing and testing—from concept to commissioning—of application-specific, highly engineered turboexpanders used in hydrocarbon processing, geothermal power generation and other industrial power-recovery and refrigeration applications. The company is also a leader in aftermarket service, repair, redesign, maintenance and spare part production for all makes and models of turboexpanders worldwide. A global field service team provides commissioning, diagnostic, maintenance and emergency support 24/7/365. The company's client list and reach extends to five continents.

L.A. Turbine is the provider of all engineering design, manufacturing and testing services on new equipment sales and, when client situations allow, a comprehensive solution-based approach is also taken with aftermarket equipment repair, redesign and servicing.

L.A. Turbine's global headquarters are located in Valencia, California with sales and service facilities in both Valencia and the Gulf Coast region of Houston, Texas. In addition to serving North America, U.S. staff supports the needs of Canada, South America, Asia and Australia. Our European headquarters in Belgium serve the sales and customer service needs of Europe, the Middle East and Africa.

We Offer . . . Expertise, Innovation, Reliability, Credibility and Results

- The Company has recruited and built an elite, best-in-class team of engineers who have, on average, 17+ years of hands-on turboexpander design and repair experience.
- In January 2014, we moved and expanded to a 90,000 sq. ft. manufacturing facility and made additional investments in state-of-the-art equipment for leading-edge design work, root cause analysis, precision manufacturing and real-time environment testing.
- Software, equipment and manufacturing investments allow for quicker design and manufacturing response times, increase accuracy of precision-engineered parts and equipment resulting in the right equipment being designed to meet and exceed performance requirements, the first time and on-time.
- The Company has doubled its field services resources to provide customers immediate access to top-of-the-line talent anywhere in the world. Our team of field experts brings, on average, more than 20 years of experience to a client site.
- On customer satisfaction surveys, depth and breadth of technical knowledge, accuracy, availability, testing capabilities and results receive a rating of "above average to excellent" from L.A. Turbine customers.

Turboexpander Configurations & Specifications:

L.A. Turbine provides turboexpander configurations in a range from 3kW to 14MW, capable of handling up to 3000 PSIG, and temperatures between -195°C and 260°C, which include:

➤ Expander/Compressor* ➤ Expander/Generator ➤ Expander/Gear/Generator ➤ Expander/Dyno (Oil Brake)**

Turboexpander Configurations ^{(1) (2)}		EC*/EG/ED	EC/EG/ED	EC/EG/ED	EC/EG	EC/EG	EC/EG
Frame Sizes		L1000	L2000	L3000	L4000	L5000	L6000
Inlet Flow (max.)	ACMH (SI Unit)	600	1,500	4,000	7,500	10,000	16,000
	ACFM (English Unit)	350	880	2,350	4,400	5,900	9,400
Inlet Pressure (max.)	BARG	206	206	206	206	206	206
	PSIG	3,000	3,000	3,000	3,000	3,000	3,000
Temperature	Celsius	-195 to 260°C	-195 to 260°C	-195 to 260°C	-195 to 260°C	-195 to 260°C	-195 to 260°C
	Fahrenheit	-320 to 500°F	-320 to 500°F	-320 to 500°F	-320 to 500°F	-320 to 500°F	-320 to 500°F
RPM (max.)		105,000***	52,000	31,000	29,000	18,000	15,000
Seal Types		Labryinth Seal	Labryinth Seal/ Dry Gas	Labryinth Seal/ Dry Gas	Labryinth Seal/ Dry Gas	Labryinth Seal/ Dry Gas	Labryinth Seal/ Dry Gas
Wheel Power (max.)	kW	800 kW	1,500 kW	3,000 kW	6,000 kW	10,000 kW	14,000 kW
	hp	1,070 hp	2,000 hp	4,000 hp	8,000 hp	13,400 hp	18,700 hp
Bearing Types ⁽³⁾		Oil	Oil/AMB	Oil/AMB	Oil/AMB	Oil/AMB	Oil/AMB

(1) Configurations:
EC* = Expander-Compressor
EG = Expander-Generator
ED** = Expander-Dyno (Oil Brake)

(2) High Pressure/High Power
does not apply on ED equipment

(3) Bearing Types:
AMB = Active Magnetic Bearings
Oil = Oil Bearings

*EC is available with Oil and Active Magnetic Bearings **Operates at a lower power level than the range shown above ***Maximum RPM of 105,000 applicable to ED only

Office Locations:

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Design, Sales, Manufacturing
and Service

Sales, Manufacturing
and Service

Geographic Reach:

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America, Asia and Australia

Europe, Middle East
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