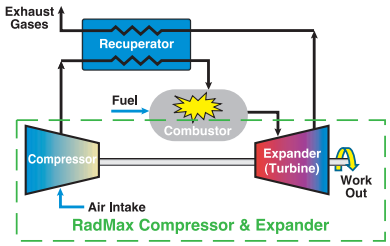
Efficiency Simplicity Power

RADMAX TECHNOLOGIES

RadMax Combined Cycle Devices

A RadMax technology device is comprised of two cams connected by a common driveshaft in a single housing. By using separate vane actuator systems, each cam can have a different compression or expansion ratio making it possible to have two separately functioning cam cycles (i.e. engine, pump, compressor or gas expander) in the same device. The resulting compact device provides flexible functionality and high performance in a small footprint

- Increased design flexibility and functionality
- Compact size with high performance
- Reduced size, weight, parts count and cost



RadMax Turbine Engine

RadMax Turbine Engine

The RadMax turbine engine features RadMax positive displacement compressor and gas expander coupled with an external combustor and an optional exhaust heat exchanger that provides improved fuel combustion efficiency and energy utilization over conventional piston and gas turbine engines.

- Capable of burning almost any type of gaseous or liquid fuel
- Continuously optimized combustion resulting in lower emissions, higher engine efficiency, and better fuel economy
- Lower speed than conventional gas turbines with higher torque
- High horsepower-to weight ratio
- Smooth running
- Low noise

RadMax Technology Advantages

- Compact size & weight
- High power to weight ratio
- High volume output to size and weight ratios
- High internal compression, expansion and pump ratios possible (up to 20:1)
- Continual, smooth, low noise rotary motion
- Low part count and fewer moving parts); conducive to rapid change-out replacement, reduced maintenance costs and increased reliability
- Rotary motion input and output porting does not require complicated valving systems
- Easily scalable from small to very large
- Multiple devices in one compact unit are possible

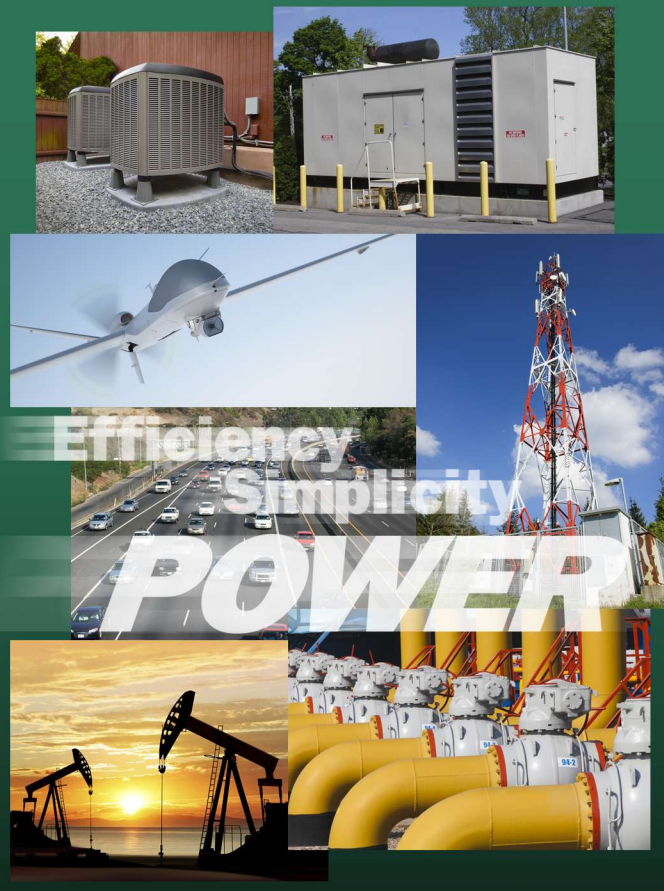
RADMAX TECHNOLOGIES

RadMax Technologies, Inc.
7520 N. Market Street, #10
Spokane, WA 99217
(509) 474-1020
www.radmaxtech.com

OTCQB: RGUS

RadMax Technologies, Inc. is a wholly owned subsidiary of REGI US, Inc.

Rev. 201704



Engines
Compressors
Pumps
Expanders

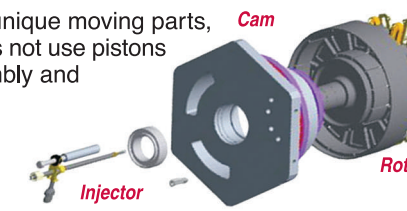
RADMAX® TECHNOLOGIES

Efficiency Simplicity Power

Introducing RadMax

A truly revolutionary rotary concept, RadMax patented devices are designed for Efficiency, Simplicity and Power. If your application calls for highly efficient power, or pumping in a light and small footprint, RadMax has a solution for you!

SIMPLICITY: Only 2 unique moving parts, the vanes and rotor – does not use pistons or valves, reducing assembly and maintenance costs.



Compact size and high output results in up to 6 times size and weight savings over a piston engine of same horsepower.

EFFICIENCY: Delivers better than 1 hp per pound of engine weight, and more than 1.5 hp per cubic inch of engine displacement.

RadMax Product Family

RadMax devices are a family of efficient, lightweight, and low noise internal combustion engines, compressors, gas expanders and pumps.

Internal Combustion Engines

Configurable as a compression ignition (diesel) or spark ignition using gasoline, natural gas, or other fuels.

- Compact size & weight
- High power to weight ratio
- Low part count and fewer moving parts

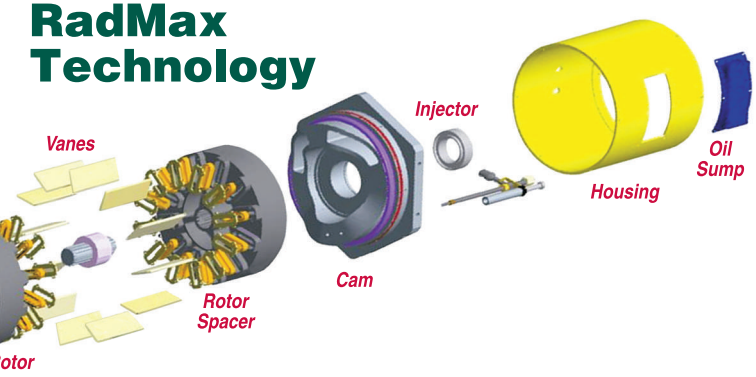
Compressors & Gas Expanders

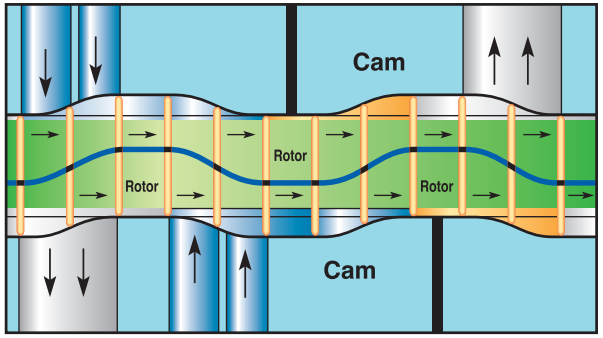
- Incorporates the advantages of both positive displacement and centrifugal devices
- High internal compression ratios possible (20:1)
- High volume output to size ratio

Positive Displacement Pumps

- Positive displacement with the simplicity and efficiency of a centrifugal pump
- High output volume to size and weight ratios
- Self-priming & auto re-priming

RadMax Technology





RadMax Engine Cycle

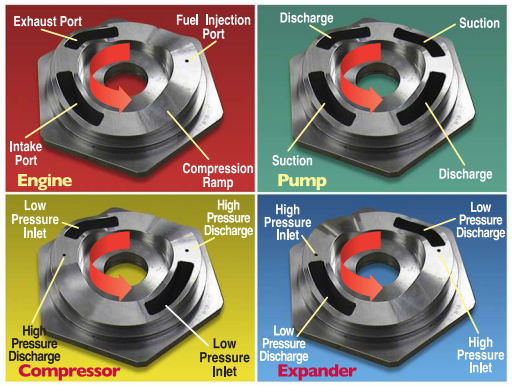
Rotor "unwrapped" illustrating the 24 power strokes every revolution; 12 each on the upper and lower rotor sides

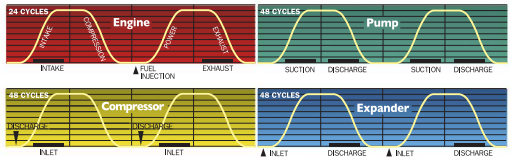
Up to 12 vanes slide axially through the rotating rotor as they follow machined cams in the ends of the stationary stator housing. Chambers form at both sides of the rotor between the rotor, stator walls and vanes. The chamber volume changes as the vane follows along the cam profile during rotor rotation creating up to 24 compression or expansion events per revolution. This results in up to 48 compression, expansion, pumping, or any combination of such events per rotation. Desired device configuration is accomplished through the flexible placement of simple intake and exhaust ports in the cam.

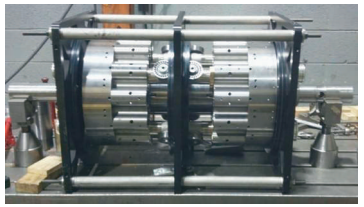
One Technology; Multiple Functions

By simply changing the cam profile and/or intake and exhaust porting locations, a RadMax device can be designed as an internal combustion engine, compressor, pump, gas expander, or a combination of the functions.

VERSATILE RADMAX CAM CONFIGURATION







RadMax Prototype Diesel Engine

RadMax Applications

- Power generation
- Heavy equipment
- Hybrid electric vehicles
- Recreational vehicles
- Lighter / smaller engine replacement
- Aircraft and Unmanned Aerial Vehicles (UAV)
- Portable air compressors and pumps
- Industrial liquid and gas processing
- Air conditioning
- Marine

And many more