

# Nivek R&D, LLC

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## Innovative construction technique receives US patent Will make engines lighter and stronger

On June 5, 2001 the U.S. Patent and Trademark Office awarded patent #6,240,892 for an innovative method of constructing an internal combustion engine.

Developed by Nivek R&D, LLC, in a radical departure from traditional engine construction, this method involves the incorporation of several main engine components into one monolithic part. The resulting Monoblock™ yields several performance and manufacturing advantages.

Combined with Niveks other proprietary technologies, advantages include:

- Higher cylinder pressures allowing greater peak efficiencies
- Much lighter weight without sacrificing strength
- Greater structural rigidity
- Significantly reduced fastener count
- Reduced number of sealing surfaces, allowing for near elimination of gaskets
- Overall lower parts count (Engine structure can consist of as few as two parts)
- Power density approaches one horsepower per pound
- Significantly enhanced ease of manufacturability

With this addition to its intellectual property portfolio, Nivek R&D further positions itself as a world leader in compression ignition engines and propulsion technology.

Nivek R&D, LLC is an Indiana company that specializes in propulsion technology for the marine, aviation and government marketplace. A lightweight 200 HP compression-ignition engine is currently undergoing testing. For further information see us at [www.nivek-rd.com](http://www.nivek-rd.com) or call 219-946-6757.