

# C.R.I. Pumps Selects MSC Nastran for its Unique Linear & Nonlinear Integration

NEWPORT BEACH, CA--(Business Wire – January 9, 2014) – [MSC Software Corporation](#), a global leader in helping product manufacturers to advance their engineering methods with simulation software and services, today announced that C.R.I. Pumps, a leading manufacturer, supplier, exporter, and service provider of a variety of pumps and motors, has selected its [MSC Nastran](#) structural analysis software to virtually validate next generation pump designs. Pumps undergo fluctuating loading conditions in operation, and therefore it is vital that each of the components in the pump assembly is designed to withstand a range of load cycles as well as function smoothly.

The R&D Team at C.R.I. Pumps strives to remain in tune with changing scenarios and customer expectations, and to quickly develop value-added solutions for their customers. This means quick turnaround time to design, validate and test its pump products. The application of engineering simulation technology is helping the company develop high quality products that deliver innovative performance and efficiency. C.R.I. Pumps R&D Team has chosen [MSC Nastran](#) to predict structural responses and improve reliability of pump components.

“MSC Nastran is used to perform both linear and nonlinear stress analysis along with dynamic analysis for various components and sub-assemblies constituting the pump,” said Mr. S Ramdas, General Manager – Strategic Business Initiative, C.R.I. Pumps. “Accurate predictions during these simulations is helping the C.R.I. Pumps’ R&D team to reduce physical testing and product development time. The simulations are also enabling our engineers to analyze more design variants and come up with optimal designs, thus saving material cost too.”

“C.R.I. Pumps selection of MSC’s solutions is proof that our software technology provides significant engineering value to the Machinery Industry along with other industries outside of the traditional transportation markets, and we look forward to a long term partnership with the team at C.R.I. Pumps,” said Eric Favre, Vice President - Asia Pacific, MSC Software.

## About C.R.I. Pumps

C.R.I. Pumps Private Ltd. is the largest Pump manufacturer and exporter. The name C.R.I. itself encapsulates the company’s ethos: “Commitment, Reliability, Innovation” and now has become a household name associated with pumps – be it for agriculture, industry, residential, mining, projects and civil applications.

C.R.I has what it takes – experience, expertise, commitment and a clear vision—to be a precursor of change, an innovator of new technologies and a standard bearer for quality. C.R.I. Pumps energy efficient products are recognized under the scheme of BEE, Govt. of India as a trustworthy partner, replacing inefficient agricultural pump sets with star rated energy efficient pump sets for their pilot project in Maharashtra. C.R.I. has won 1st prize in the Manufactures of BEE Star Labelled appliances (Agriculture pump set) sector by the National Energy Conservation Award from Ministry of Power, Govt. of India for two consecutive years (2011 & 2012). It exports its products to more than 100 countries and has been awarded the EEPC Export Excellence award for the 9th time in a row for its export performance.

### **About MSC Software**

MSC Software is one of the ten original software companies and a global leader in helping product manufacturers to advance their engineering methods with simulation software and services. As a trusted partner, [MSC Software](#) helps companies improve quality, save time, and reduce costs associated with design and test of manufactured products. Academic institutions, researchers, and students employ MSC's technology to expand individual knowledge as well as expand the horizon of simulation. MSC Software employs 1,100 professionals in 20 countries. For additional information about MSC Software's products and services, please visit: [www.mscsoftware.com](http://www.mscsoftware.com)

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