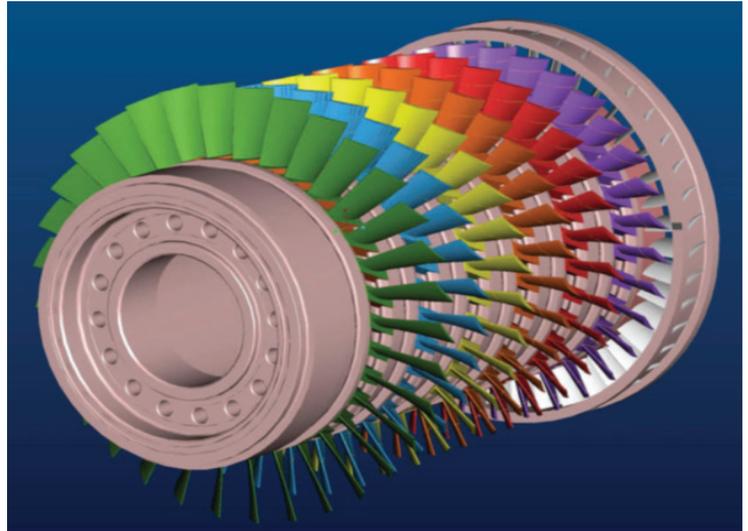


RMS 12,300 HP COMPRESSOR TRAIN

By Tony Rubino

RMS has received an \$7.7 million order for a complete Nitric Acid Plant main air blower train from a large US chemical company. We are currently in the manufacturing phase and expect to meet our commitment on an accelerated 10 month delivery schedule. The train includes an axial compressor, hot gas expander and steam turbine. The compressor is a rerated Ingersoll-Rand 1500 Frame, but features a completely new flowpath and redesigned rotor, changing from a stacked-disk to a drum design. New stator casings, rotor, stators and heavily reworked inlet and discharge casings are included. The steam turbine is a rerated Elliott QV7, rerated to decrease power from 9,900 to 7,260 HP. Worksopce includes a new nozzle, new diaphragms, and all new rotor



blading, with 6 stages being a custom high-efficiency airfoil design. The single stage expander is a GE model 7TDUY, which is being rerated from 2,600 to 5,000 HP. The rerate includes an all new stator and rotor blading. The rerate components will be field-fit to the expander, which is currently in operation, during the September turnaround. All three machines are being packaged by RMS on a new, common baseplate. RMS is also supplying a redesigned surplus oil console to support the train.

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