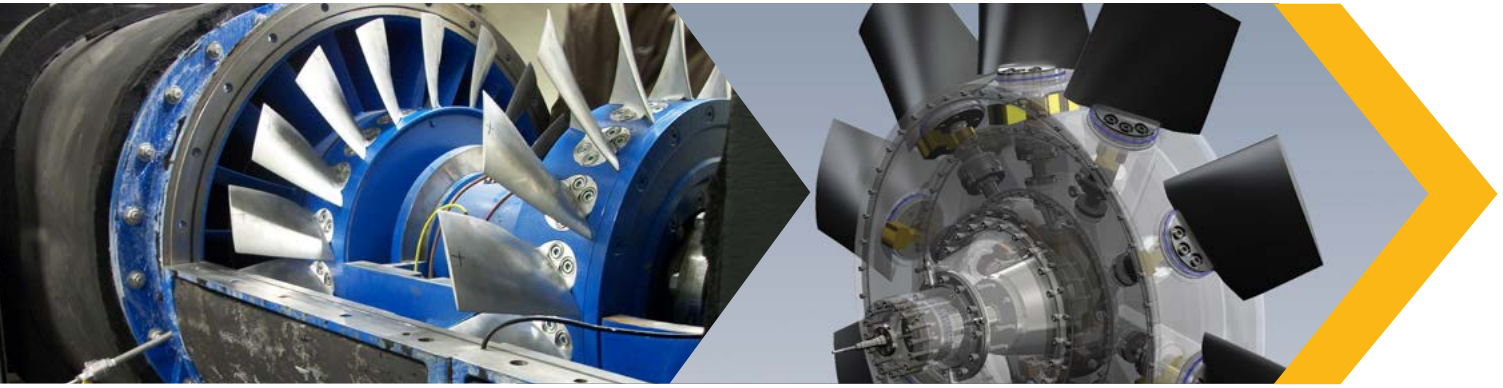


REPLACEMENT BLADES



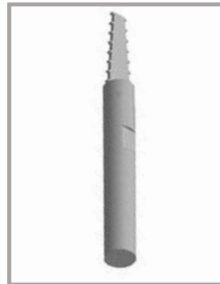
> PROJECT OVERVIEW

Clarage recently replaced the blades for a fan installed at a Major Steel Plant in Europe.

- Fan was 3.75M (148 in.) diameter in-flight adjustable, handling 1,000,000 ACFM at 10 in. TP with a 2,500 HP motor at 750 RPM
- Blades are cast aluminum with a steel shaft insert
- Blades were in very poor shape (see photo) and required recreating the original blade profile and x-rays to determine the shape of the steel insert to ensure proper bonding during casting. Extensive quality control ensured a like new blade replacement.



X-RAY OF HOLDING
PATTERN (OLD SHAFT)



3D MODEL
(REPLACEMENT SHAFT)



CASTING MOLD FOR
REPLACEMENT BLADE



CAST
REPLACEMENT BLADE



BEFORE



AFTER

CLARAGE 
INDUSTRIAL FANS & SERVICES

CUSTOM IS OUR STANDARD

202 COMMERCE WAY | PULASKI, TN 38478 | (931) 424-2500

WWW.CLARAGE.COM