

> THE BEST OF BOTH WORLDS

Clarage Aftermarket Solutions uses a combination of 3D technology and fan design know-how to bring you creative solutions to existing equipment needs. We are backed by design standards that have been perfected since Clarage started building fans in 1874. Point clouds created by 3D field scanning are converted to models that help us to accurately determine crucial interface dimensions as well as access for installation. This allows us to bring a 21st Century approach to 20th Century equipment!

NEW FAN CONSTRUCTION:

- Custom centrifugal and axial fan types
- 3D modeling for CAD system integration
- Vertically integrated manufacturing
- High temperature construction
- High temperature / survivability testing
- Instrumentation / system controls
- Performance testing
- Mechanical run tests

AFTERMARKET SOLUTIONS:

- On-site installation and assembly guidance
- Airflow performance testing
- Motion amplification video capture
- NDE inspections
- Preventative maintenance inspections
- Air performance and mechanical troubleshooting of existing fans
- Upgrades for corrosion/erosion resistance utilizing current design bearings and equipment standards
- Operator and maintenance personnel training

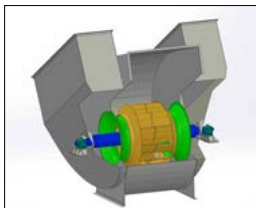


3D COMPONENT SCANNING

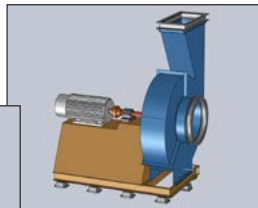
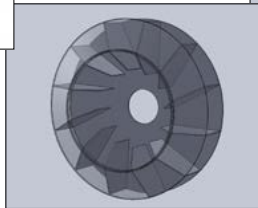
- Impeller Blades
- Hub Designs
- Castings

360° 3D SCANNING IN THE FIELD

- Housings
- Rotors
- Fan Rooms
- Inlet/Outlet Configurations



**SCANS
EXPORT TO
3D DESIGNS**



**GIVE US 15 MINUTES WITH YOUR EXISTING FAN AND WE WILL
PROVIDE YOU WITH A LIFETIME OF COMPETITIVE REPLACEMENTS!**

CLARAGE >>
INDUSTRIAL FANS & SERVICES