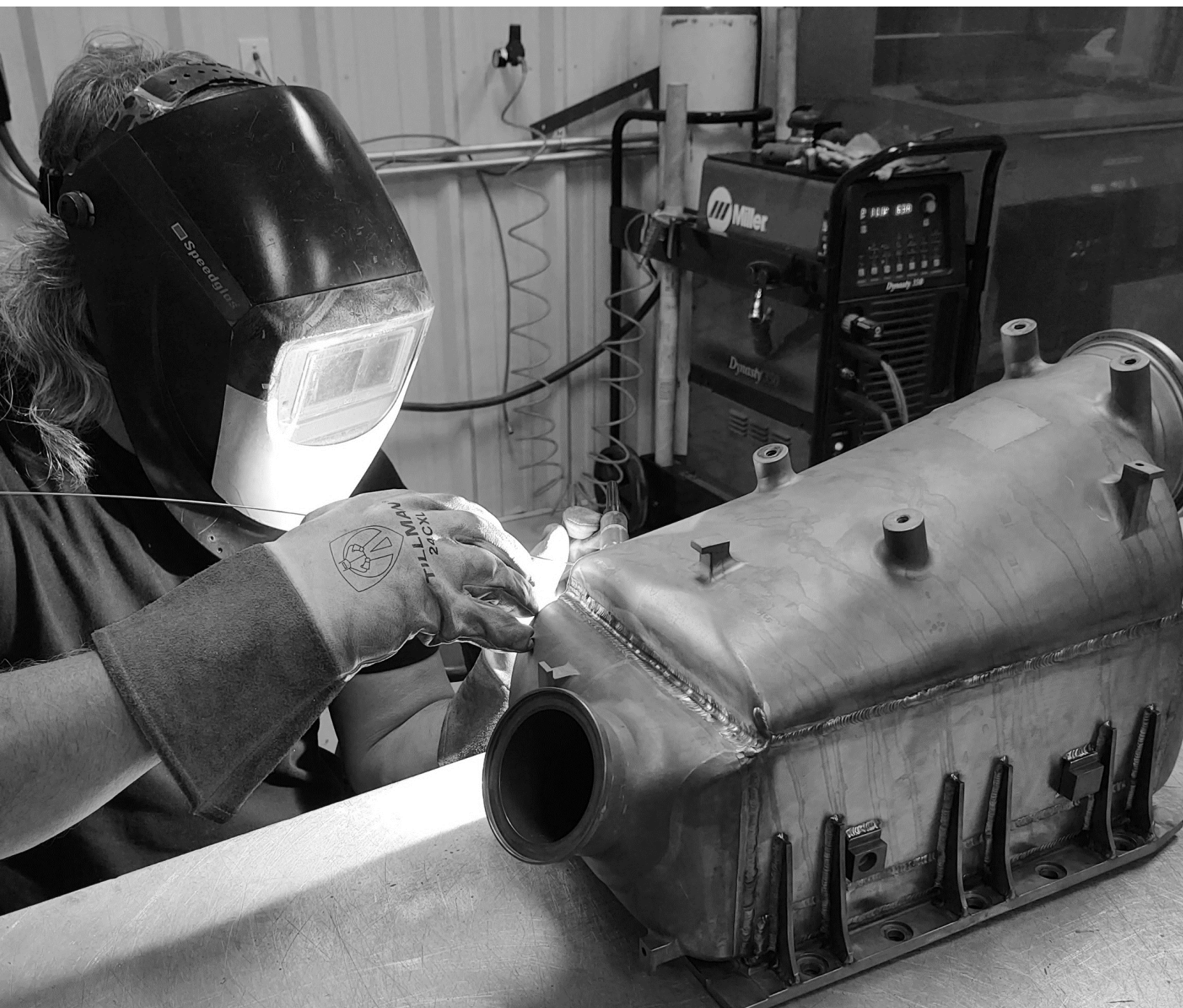


ETP *THERMAL DYNAMICS*



INNOVATIVE. RESPONSIVE. GLOBAL

Who We Are

ETP Thermal Dynamics is a premier MRO provider specializing in the Repair, Overhaul and DER/Recore of aircraft Environmental Control System Components, Oil Coolers, Fuel Heaters, Electro-Mechanical & Hydraulic Components.

At ETP, our mission is a total company-wide commitment to customer satisfaction by providing the aviation industry with world class service and sales support at the highest level of quality. Our highly trained personnel, specialized equipment and state-of-the-art facilities make Eaton Thermal the supplier of choice for major and regional airlines, original equipment manufactures and overhaul facilities world-wide. There is a difference in after-market suppliers.

ETP Thermal Dynamics is the one you can afford and count on!

Our Products

Environmental Control System Components



- Heat Exchangers
- Precoolers
- Condensers
- Reheaters
- Water Separators

Fuel Heaters



- Fuel Heaters
- Fuel/Oil Coolers
- Fuel System Components

Oil Coolers



- APU Oil Cooler
- IDG Oil Coolers
- CSD Oil Cooler
- Engine Oil Cooler

Electro-Mechanical & Hydraulic Components



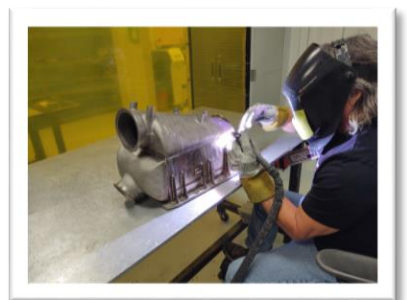
- Actuators
- Hydraulic Components
- Probes/Sensors
- Switches

ETP Thermal Dynamics offers a wide variety of specialized repairs designed to reduce costs and improve reliability. We are experts in component repair and overhaul, providing repair solutions driven by our customer's needs. We are specialists committed to fast turn-around times, unparalleled customer service and proven reliability

ENVIRONMENTAL SYSTEM CONTROL COMPONENTS

ETP Thermal Dynamics specializes in clean/test, repair, overhaul and core replacement of Heat Exchangers, Precoolers, Condensers, Reheaters, and Oil Coolers. The company distinguished itself in the industry through innovative, cost reducing repairs. ETP has put extensive work into developing DER repairs, such as core replacement. Our **NuCore** programs replace the old cores with new components, restoring the units back to zero time. The units are returned to service via FAA approved data and procedures. This program offers the customer 100% yield of inventory while providing the same performance, reliability and warranty of a new unit at nearly half the cost.

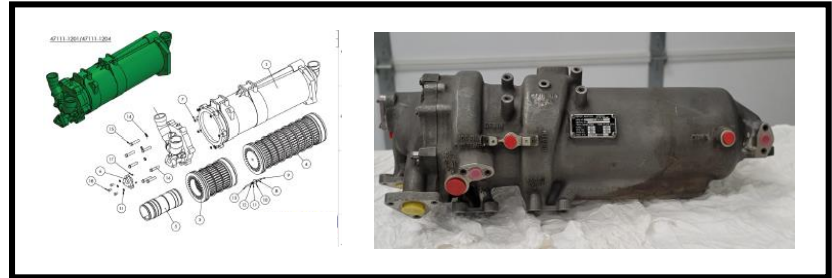
- Heat Exchangers
- Precoolers
- Condensers
- Reheaters
- Water Separators



FUEL HEATERS

ETP Thermal Dynamics provides comprehensive clean/testing, repair and overhaul on fuel components, with extensive experience with Fuel Heaters and fuel oil coolers for nearly all engine applications. We meet the most stringent standards, quality services with prompt turn-around times at competitive pricing.

- Fuel Heaters
- Fuel Oil Coolers
- Fluid System Components



Using state-of-the-art-equipment and technology, the fuel heater receives a full array of cleaning and testing to determine leakage/damage or deformation for proper functionality. The ETP Thermal Dynamics Repair Specification allows us to Repair Cracks, Surface Corrosion, Damaged Flanges/Brackets/Ducts and Core Repair or **NuCORE** Replacement

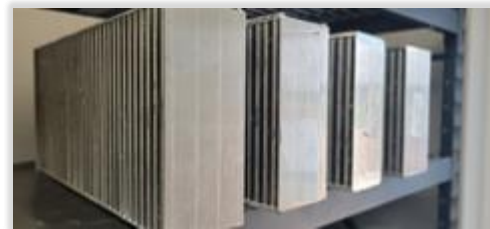


OIL COOLER

The oil cooler is an extended surface heat exchanger which uses air flow from the engine ram air duct to cool hot lubricating oil from the engine. Both the air and the oil make a single pass through the core. The core assembly is a brazed plate-fin type, with passages for cooling air and for oil. The primary failure of the oil cooler is attributed to internal contamination and core leakage.

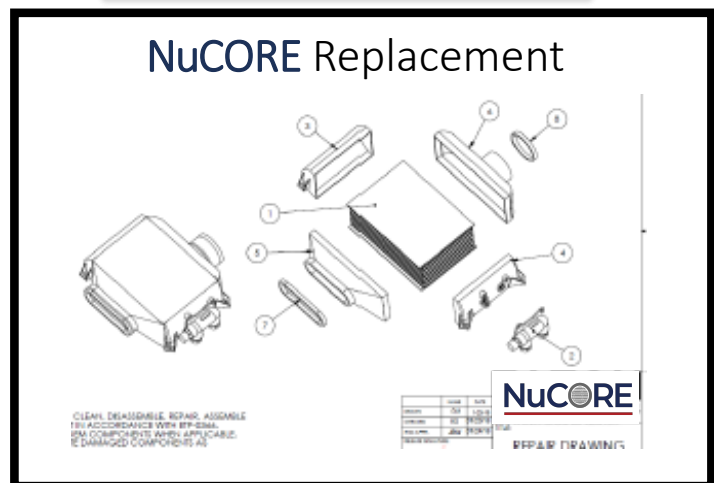
ETP Thermal Dynamics offers innovative and cost-effective solutions to aircraft Oil Coolers. We specialize in a wide variety of Oil Coolers for all Engines, APU's, CSD's and IDG applications.

- APU Oil Coolers
- IDG Oil Coolers
- CSD Oil Coolers
- Engine Oil Coolers



The ETP Thermal Dynamics Repair Specification (RS) creates a highly cost-effective repair solution for all non-repairable Oil Coolers. The Eaton Thermal Products Repair Specification allows for:

- Repair Cracks
- Address Surface Corrosion
- Repair Damaged Flanges/Brackets/Ducts
- Core Repair
- **NuCORE Replacement.**



ELECTRO-MECHANICAL & HYDRAULIC COMPONENTS

ETP Thermal Dynamics offers support for a variety of Electro-mechanical and Hydraulic components fitted on most Commercial and Military applications. ETP Thermal Dynamics offers the quality and reliability of an OEM, with the pricing and TAT of an independent repair station with Customer First Focus. Our highly trained and experienced team provides world-class customer support, creative solutions, expedited services and unmatched quality standards.

Products Included:

- Electro-Mechanical Actuation
- Hydraulic Actuators
- Actuators
- Oil Differential Switches
- Sensors
- Fuel/Oil Probes
- Thermocouples

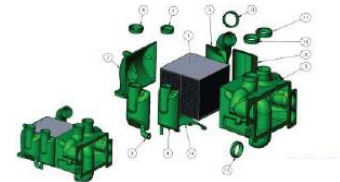
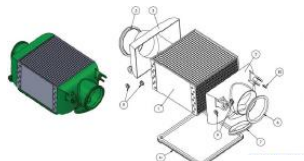
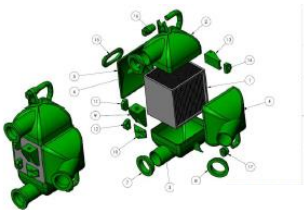
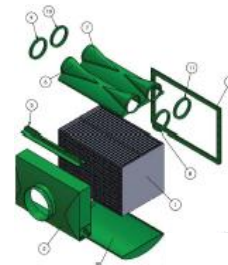
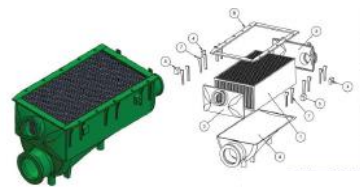


SPECIALIZED REPAIR PROGRAMS/DER

ETP Thermal Dynamics offers a wide variety of DER repairs designed to reduce cost and improve reliability. ETP continues to create advancements/specialized repair techniques and solutions to complex manufacturing challenges. Offering our customers, a cost-effective alternative to new-part replacement remains the core objective of our business! ETP Thermal Dynamics, differentiates itself through consistent Research & Development efforts creating innovative solutions to engineering design & manufacturing challenges.

Customers are offered

- Improved product reliability
- Innovative manufacturing & repair solutions
- Reduce operator maintenance cost
- Reduce acquisition cost
- Reduced MTBF (mean time before failure)
- +200 DER Specialized Repair Programs
- Rapid Turn-Around-Time (TAT)
- Fixed Flat Rate Price Schedules
- 24/7 AOG
- Customer first philosophy



NuCORE

When it comes to the products we support, you'll find no better company to address your technical questions. From design engineering to manufacturing, ETP Thermal Dynamics stands ready to be of service. NuCORE is the clear choice for value and performance in heat transfer products. ETP Thermal Dynamics offers this least-cost approach by replacing the core matrix (the part that cools) while retaining the original components. The result is a fully reliable "like-new" product at a fraction of the cost of new replacement.



Nu-CORE units features an entirely new vacuum-brazed core matrix, free from welding, brazing or epoxy that characterizes "repaired" cores. Nu-CORE delivers a "like-new" component that brings you additional confidence and longer reliability you can expect from a new part.

The various ETP Thermal Dynamics repair programs create a reliable, cost effective and quality repair for air carriers, operators and aircraft owners worldwide. The Repair Specification(s) afford the customer the opportunity to reduce maintenance cost while improving MTBF .

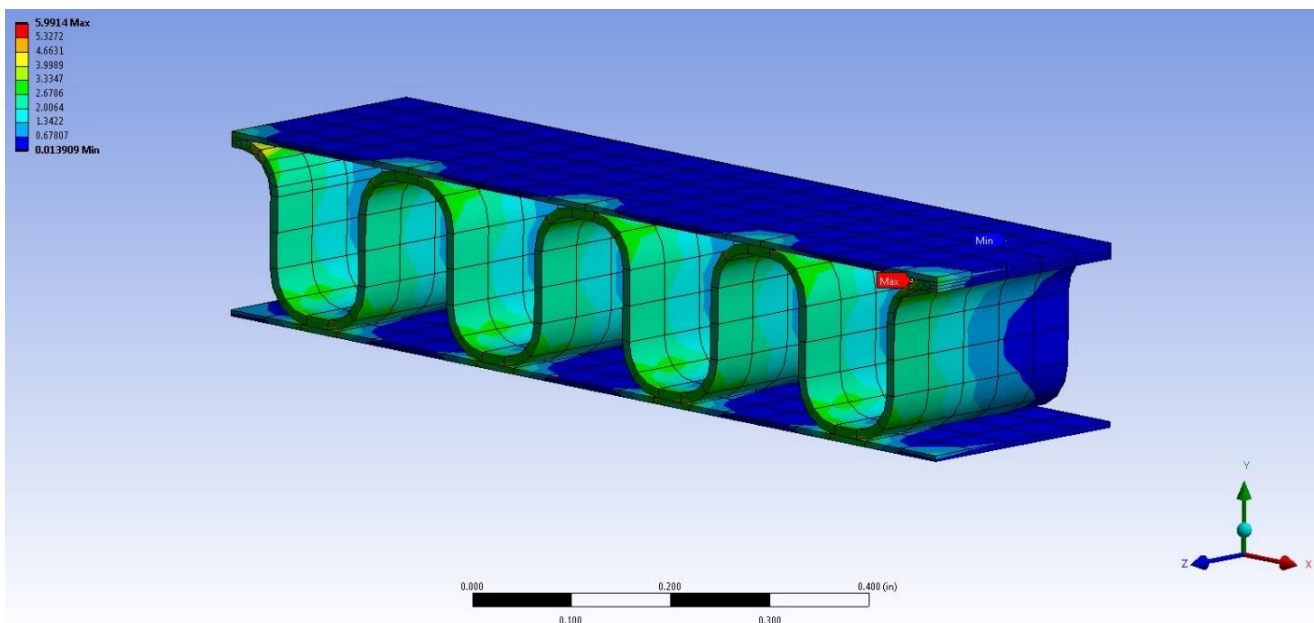
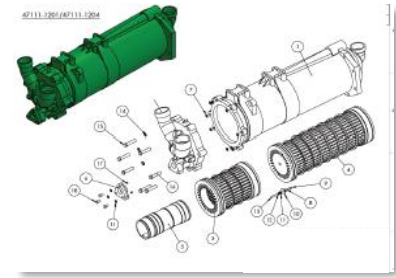
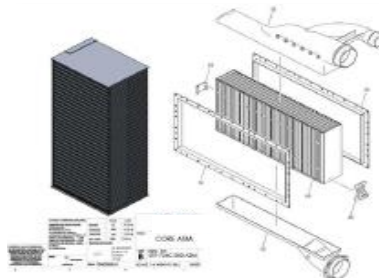
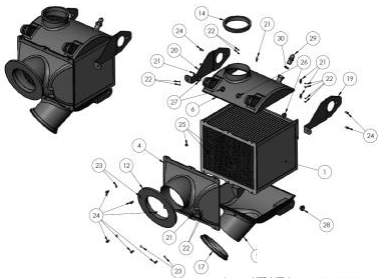
- Near 100% yield on all repair orders (Reduced BER / SCRAP)
- Like new unit with extended reliability
- Fixed Flat Rate Price Schedules (guaranteed best value in the industry)

Engineering Technologies & Specialized Repair Programs/DER

ETP's engineering team develops innovative solutions; providing a variety of design, analysis and structural test engineering services, product development, R&D, qualification, certification for military and commercial customers.

Engineering Capabilities & Processes Include:

- 3D Scanning
- Material Analysis
- Tool Design
- Repair Development
- Automation
- Build-to-Spec
- RS/DER
- Integrated Product Team (IPT)
- Integrated Product Development (IPD, Concurrent Engineering)
- Design to Cost (DTC)
- Internal Design Review
- Design to Envelope & Specifications
- Build to Print
- Reverse Engineering
- Rapid Prototyping



Global Presence



ETP Thermal Dynamics Headquarters
412 West 90th Street, South
Tulsa, Oklahoma 74132 USA

Rick President
Group President
412 West 90th Street, Tulsa, OK 75143 USA
918-528-5567
rcambell@etpmro.com

Casey Kenney
Vice President of Sales & Marketing
412 West 90th Street, Tulsa, OK 75143 USA
516-523-4938
ckenny@etpmro.com

Bill Freeman
Vice President/General Manager
412 West 90th Street, Tulsa, OK 75143 USA
918-528-5567
bfreeman@etpmro.com

Sales/RFQ – sales@etpmro.com
AP/AR – accounting@etpmro.com
Customer Support – support@etpmro.com
AOG Support - 918-528-5567