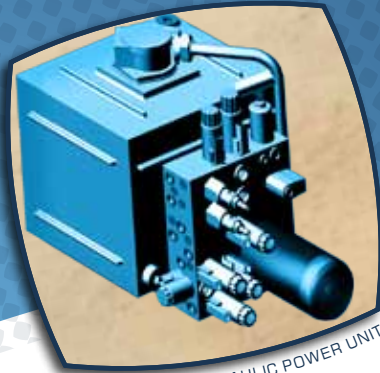
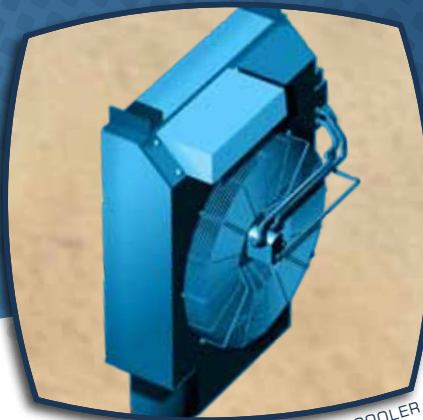


SPACE & WEIGHT REDUCTION

Solutions For Military Vehicles



HYDRAULIC POWER UNIT



COMBI-COOLER



HYDROFORMED COMPONENT

KEY TO INCREASING TRANSPORTATION EFFICIENCIES AND OVERALL PERFORMANCE OF MILITARY VEHICLES IS THE OPTIMIZATION OF USABLE SPACE AND OVERALL WEIGHT REDUCTION. In the battlefield environments these vehicles are required to function, space and weight reduction must be accomplished while enhancing structural integrity and overall performance. WESS leverages decades of experience and product knowledge to help keep mechanized forces running at their highest levels.

COMBI-COOLERS

Cooling systems within modern military vehicles must provide flexibility and efficiency within a smaller footprint. Utilizing a combination of cooling elements and hydraulic driven fans, these systems must be lighter and reduce noise emissions. WESS provides fully adaptable cooling system design and components to integrate within existing and future vehicle platforms.

Cooling Systems and Components For:

- Hydraulic Systems
- Radiators
- Charge Air
- Fuel Systems
- Auxiliary Coolers
- Transmissions

HYDROFORMED COMPONENTS

Modern military vehicle platforms will achieve space and weight reduction in part through the unique orientation of structural and exhaust components. Finding competent design and manufacturing support for hydroformed metal parts is central to these efforts. From initial design to mass production, WESS provides the hydroformed solutions to solve these engineering challenges.

Comprehensive Hydroforming Solutions:

- Design & Engineering
- Prototyping
- Production Dies
- Part Production
- Production Press Systems
- Turnkey Hydroforming Lines

HYDRAULIC POWER UNITS

Hydraulic systems within military vehicles function under extreme conditions. Key to improving existing and future vehicle programs is amplifying capabilities, simplifying maintenance and reducing the overall footprint. WESS designs and builds custom hydraulic power units to meet a wide range of specified pressure, flow, space, and performance requirements.

Hydraulic Power Units Offer:

- Design Flexibility
- Efficient Functionality
- Multiple Cooling Options
- Low Noise Emissions
- Variable High Pressure & Flow
- Reduced Space Claim

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CONCEPT | DESIGN & ENGINEERING | PRODUCT ENGINEERING | PROTOTYPE & TEST
MANUFACTURING | QUALITY | SOFTWARE SOLUTIONS | PROFESSIONAL RESOURCES





248.377.3180

3333 Bald Mountain Rd
Auburn Hills, MI 48326

www.WessCorp.com