

Industries Rely On Houghton And FLUIDCARE™ To Drive Down Operational Costs And Increase Profitability

We deliver innovative technology, chemistry, high performing products and services that help our customers spend less and be more productive.

Did you know?

- By adopting Houghton Metalworking Technologies, customers have seen their tool life improve significantly (**10%–20%**), while productivity and quality have increased by up to **30%**.
- Houghton's **HOCUT® 795** series is the most widely used cutting fluid in the world due to its wide application base and resistance to biological problems.
- In 2013, Houghton's FLUIDCARE Chemical Management System saved a leading Aerospace manufacturer **>\$150K or 15% in cost saving**.
- Customers who fully embrace the Total Chemical Management philosophy have seen operational savings of up to **15%**.

FLUIDCARE'S Proven, Sustainable Benefits



FLUIDCARE
commits to a
partnership where
the only outcome is
Success –

GUARANTEED!

Houghton's Metalworking Fluids have a proven track record of performance and over 170 aerospace approvals with customers around the globe.

We invite you to further review our capabilities by visiting houghtonintl.com and downloading the latest series of Houghton's case studies. Each summarizes the "Unique Challenge" presented to us and the "Houghton Solution" where measurable cost savings and other benefits were achieved.



HOUGHTON™

www.houghtonintl.com

Houghton International Inc.
Madison & Van Buren Avenues
P.O. Box 930 • Valley Forge, PA 19482-0930
Phone: 610-666-4000 • Fax: 610-666-1376
Contact: houghtonintl.com/en-us/requestinfo

Landing Gear

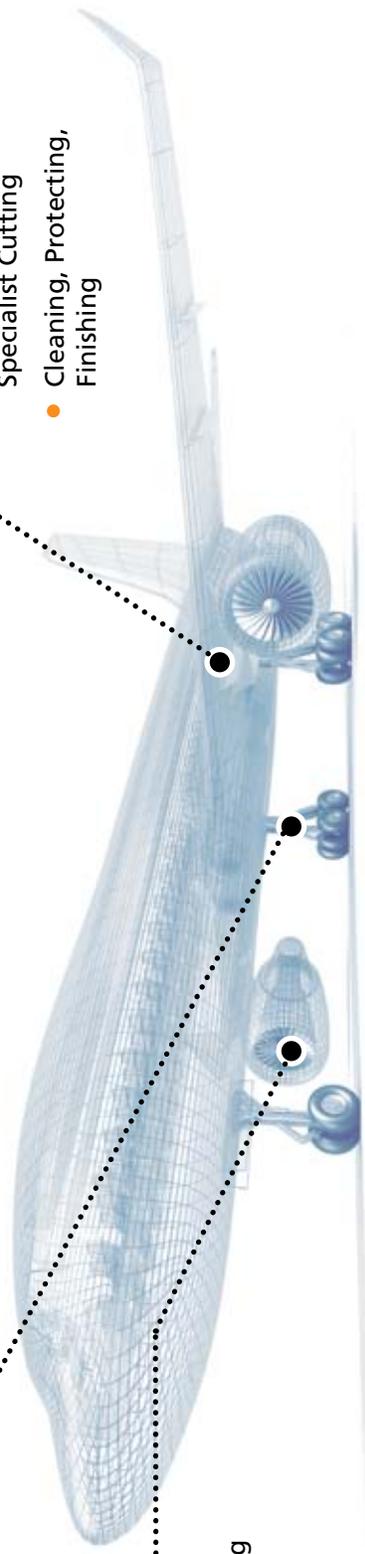
- Spars, Actuators
- Forging, Machining
- Cleaning, Protecting

Jet Engines

- Turbine Blades, Fans, Cowls
- Specialist Machining, Grinding
- Metal Removal, Cleaning
- Aerospace approved metalworking fluids

Wings

- Spars, Struts
- Hi-Speed Machining, Specialist Cutting
- Cleaning, Protecting, Finishing



Houghton's biostable technology provides dramatically longer sump life and odor-free operation without the use of sump-side additives.

Houghton has the widest range of Aerospace-Approved Metalworking fluids covering all aspects of Metal Working:

- Metal Forming
- Heat Treatment
- Metal Removal
- Metal Cleaning
- Metal Protection
- Metal Finishing

Houghton's Hocut® 795-B is the most widely used coolant for aerospace machining throughout the world

Hocut 795-B is specially formulated to machine all Aerospace alloys including:

- Titanium
- Inconel
- Hastelloy
- Waspaloy
- All varieties of Stainless Steel
- Safe for use on stain-sensitive Aluminum Alloys

We're Driven By A Singular Focus – Customer Success

Houghton's Metalworking Fluids can be found in nearly all aspects of the aerospace manufacturing industry. With a singular focus on customer success, we solve the toughest technical challenges and support diverse and widespread customer operations.

Learn more by contacting your FLUIDCARE representative for immediate consideration and evaluation of your fluid needs by contacting houghtonintl.com/en-us/requestinfo

