



# Houghton Metal Finishing...

GLOBAL COVERAGE, LOCAL CARE



Let Our Solutions Solve Your Problems...

## Houghton Metal Finishing...

### INDUSTRIES SERVED:

- AUTOMOTIVE
- AGRICULTURAL IMPLEMENT
- OFFICE FURNITURE
- APPLIANCE
- OFF-ROAD
- COIL COATING
- LAWN & GARDEN
- AEROSPACE
- OUTDOOR FURNITURE
- LIGHTING
- INDUSTRIAL RACKING
- BEARINGS
- REMANUFACTURING
- CUSTOM COATERS
- AIR DISTRIBUTION
- RECREATIONAL
- DISPLAY
- MILITARY
- PLATING
- MEDICAL EQUIPMENT
- PROCESSING EQUIPMENT



... **A division of Houghton International, Inc.** We have over 130 years of experience developing products and services to support every metal processing system from start to finish. Processes include: cutting, forming, and machining to in-process and final finishing. The Surface Finishing Division was established to provide the industry with the most efficient, dependable surface preparation and finishing products and services available.

... **Provides finishing products**, including: cleaners, rust and scale removers, aluminum treatment, brighteners, corrosion inhibitors, phosphate conversion coatings, final seals, paint strippers, in-process cleaners, mass finishing, plating, and general maintenance.

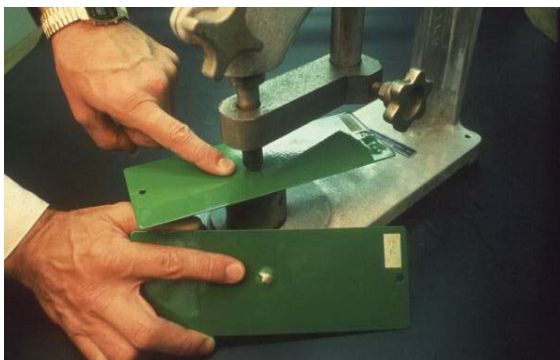
... **Designs the process to meet your specifications**-your product, your quality requirements, your processing speed, your equipment, your effluent requirements.

... **Utilizes Customer Response Teams.** Your technical representative is supported by a wide array of specialists who are available for your needs.

... **Provides the highest quality** most advanced chemicals-but that's only the beginning. **Houghton** can also design the process, help you control it, train your personnel to understand it, and audit to ensure optimum process control.

... **Knows** our first job is to listen to you to determine precisely what your needs are so that you will receive the best possible products and services available.

... **Achieves "zero defects" at YOUR lowest operational cost.**



**HOUGHTO-CLEAN<sup>®</sup>, HOUGHTO-PHOS<sup>®</sup>, HOUGHTO-PREP<sup>®</sup>  
HOUGHTO-RINSE<sup>®</sup>, HOUGHTO-SEAL<sup>®</sup> & HOUGHTO-STRIP<sup>®</sup>**

ARE PRODUCTS FOR:  
PRE-PAINT

CLEANERS  
PHOSPHATES

- IRON
- ZINC

SEALERS

- CHROME
- NON-CHROME

PLASTIC PREPARATION

BREAK-IN

MANGANESE PHOSPHATE

COLD FORMING

TUBE DRAWING  
WIRE DRAWING

HEAVY ZINC AND RUST PREVENTIVE OILS AND WAXES

PAINT STRIPPING

DESCALERS

RUST/OXIDE REMOVERS

ADDITIVES/BOOSTERS

PAINT DETACKIFIERS



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**HOUGHTO-CLEAN<sup>®</sup>** IS A COMPLETE LINE OF CLEANERS FOR IN-PROCESS WASHERS.



**APPLICATIONS:**

POWER SPRAY WASHERS  
SOAK TANK / IMMERSION WASHERS  
FLOOR CLEANERS  
GENERAL PURPOSE CLEANERS

**TYPES:**

SYNTHETIC – LOW RESIDUE CLEANERS  
INORGANIC CLEANERS  
IN-PLANT RUST PROTECTION CLEANERS  
MULTI-METAL CLEANERS





## FEED EQUIPMENT SYSTEMS

### FEED EQUIPMENT CAPABILITIES:

- pH / ORP measurement and control.
- Conductivity, Concentration, and TDS.
- HOUGHTO-GUARD Process Monitoring & Control
- Refractometers.
- Timed feed systems for simplicity and low cost.
- Pumps (diaphragm, peristaltic, and electronic metering).
- Filtration, Skimmers and Separators.
- Nozzles and Misting equipment.



Houghton Surface Finishing's Equipment Division is one of the many services available from Houghton to provide a turnkey solution for your industrial chemical processes. Our equipment engineers are experienced in solving industrial process needs and providing the hardware and expertise to help our customers succeed in today's competitive business climate.

Some of the benefits of a custom engineered system from Houghton include:

- Reduce waste associated with excessive usage of chemicals.
- Improve quality and reduce rejects by monitoring and controlling your process chemical demands.
- Minimize the opportunity for human error.
- Meet and maintain ISO requirements.
- Reduce the manpower needed to manage your chemical processes.
- Minimize the opportunities for spills and other chemical process related accidents.

## Performance Commitment

### ***MISSION STATEMENT***

HOUGHTON INTERNATIONAL'S mission is to be the World Leader in the management of chemical processes through strategic partnerships with clients and suppliers to maximize shareholder value.

*ISO 9001 Certification*

### **HOUGHTON INTERNATIONAL QUALITY POLICY**

"To ensure that all of our products and services consistently meet our customers' expectations."

Houghton Metal Finishing Company  
888-346-9386  
[www.houghtonintl.com](http://www.houghtonintl.com)