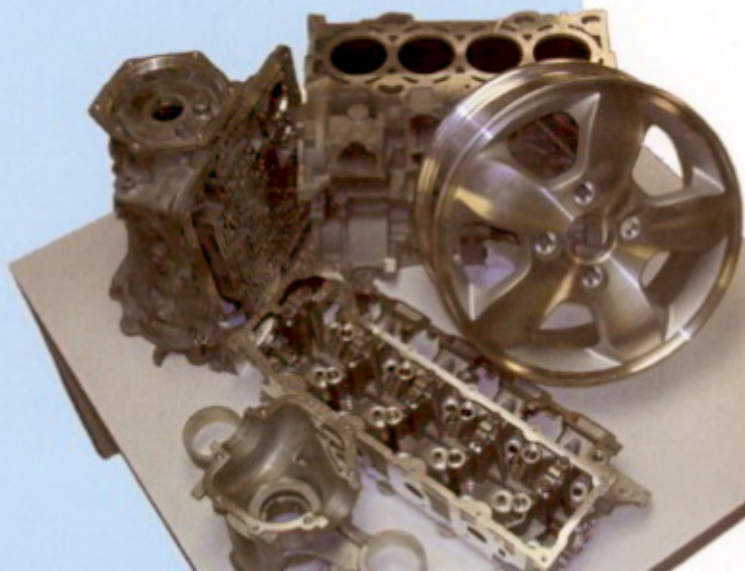


# BARON INDUSTRIES

WORLD CLASS IMPREGNATION SERVICE



# BARON INDUSTRIES

Baron Industries has over 80 years of management experience in the impregnation industry, and operates the industry's largest equipment over multiple shifts for any volume part.

## PARTS PROCESSING SERVICES:

Vacuum Impregnation  
Leak Testing  
Part Reconditioning, Sorting & Inspection  
De-rusting/Oxidation  
Cleaning

## VACUUM IMPREGNATION CAPACITY:

7 Vacuum Vessels  
Wet Vacuum, Wet Vacuum Pressure &  
Dry Vacuum Pressure Processes  
Specialty Topical and Pressure Injection

## THE BARON ADVANTAGE:

BARON IS  
QS/ISO 9000  
REGISTERED

Baron utilizes Loctite's Resinol RTC, PMS-50E & 5110, widely approved and specified impregnation sealants.

Large part capability (84"x32")

70% available capacity by design, allows for quick turn around.

## DIRECT AND INDIRECT CUSTOMERS:

DaimlerChrysler	Allison
General Motors	Delphi
Ford	Behr of America

## WHAT IS VACUUM IMPREGNATION?

Leak paths in a material or part can cause costly scrap rates, missed production forecasts, decreased customer quality ratings and even high warranty risk. Vacuum impregnation is a technology that reliably and permanently seals porosity or leak paths, therefore preventing liquids or gases to permeate in or out.

## WHY VACUUM IMPREGNATE?

Every part that has to retain a fluid or gas permeates some amount of air during a manufacturer's leak test. Some parts leak more than an allowable level. Vacuum impregnation permanently seals leak paths in a substrate reducing a company's financial loss and allows manufacturing to meet production targets. Impregnation can also significantly improve tool life on powder metal parts and eliminate cosmetic blemishes on plated or painted parts.

## WHEN TO VACUUM IMPREGNATE?

Vacuum impregnation can take place before, during or after adding value to the part. Recent studies have shown maximum manufacturing uptime by impregnating a part in the raw or as-cast/molded state. However, some leak paths in a casting may only be exposed after full machining.

## SUBSTRATES THAT CAN BE SEALED:

Aluminum  
Zinc

# BARON INDUSTRIES IMPREGNATION APPLICATION LIST:



## AUTOMOTIVE AND OFF-ROAD

- Blocks and Cylinder Heads
- Front Covers
- Cast Oil Pans
- Water and Oil Pumps
- Cast Cam/Rocker/Valve Covers
- Inlet Manifolds
- Electronic Enclosures
- Brake Components
- Transmission Cases, Pumps, Valve Bodies
- Air Compressor Valves, Housings and Cylinders
- Bulkhead Connectors and Sensors
- Machined Structural or Plated Powder Metal Components
- Fuel Handling-Injectors, Fuel Pumps and Magnets
- Wheels

## PLUMBING

- Faucets and Spouts
- Valves, Meters
- Water Softener Valves

## NON-AUTOMOTIVE

- Lawn and Garden Equipment
- Recreational Vehicles
- Watercraft Engines and Impeller Assemblies

## MILITARY EQUIPMENT

- Land Vehicle, Aircraft, Ballistic, Seagoing

## FUEL HANDLING

- Fuel Pumping, Dispensing, Storing and Metering Equipment

## POWDER METAL COMPONENTS

- Preparation for Finishing
- Inhibition of Corrosion
- Enhancement of Machinability

## HYDRAULIC PNEUMATIC SYSTEMS

- Valves and Control Devices

## ELECTRICAL/ELECTRONIC

- Wires
- Insert Molded Components-Connectors, Coils

## MISCELLANEOUS

- Tanks and Molds

BARON INDUSTRIES  
949 East Mandoline  
Madison Heights, MI 48071  
(248) 585-0444  
(888) 232-2766

[WWW.BARONINDUSTRIES.COM](http://WWW.BARONINDUSTRIES.COM)