

THERMAL CLEANING SYSTEM

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Step One

Benefits

- Cleans aluminum & cast iron at the same time
- Eliminates chemical pre-machine cleaning for all heads, cranks, blocks, and other parts
- Eliminates 95% of chemical usage
- Eliminates wire brush cleaning and glass beading
- Allows airless shot blast cleaning without loose media retention
- Will not harm delicate material areas of cast iron, aluminum, and sheet metal
- Eliminates hot spots by exclusive controlled burn cycle
- Reduces utility costs up to 75%
- Reduces cleaning time from 30% to 3%
- Increase shop labor output, castings ready to machine in 55 minutes.

Thermal Cleaning

Castings loaded in our specially designed baskets are easily transferred by hoist from unit to unit. This eliminates individual parts from being loaded and unloaded by hand in each unit. Fast, easy, economical!



Thermal Degreaser

First, our rotisserie style oven uses a controlled burn cycle for even heating with no hot spots. The balanced-burn tube design makes this the fastest and even oven on the market. Our specially designed baskets are easily transferred by hoist from unit to unit to increase productivity and decrease worker fatigue. Will clean when other methods fail!

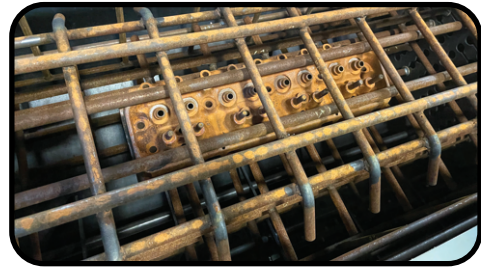


Turns to dust

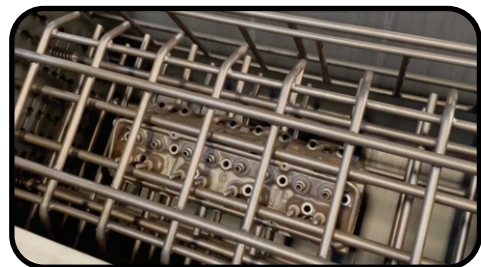
- Oil
- Grease
- Rust
- Calcium deposits



Step Two



Before



After

How long?

The shot blasting cycle takes only 2 - 10 minutes because parts are dry and covered with dust.

Airless Blaster

Secondly, the basket of parts is loaded by the hoist from the oven to the airless blaster. Our **balanced double impeller system** will clean down to the bare metal, eliminating the need for most hand labor. When shot blasting cycle is complete, what remains are "like new parts". All dust has been collected in our easy to clean dust collector.



Step Three



All parts are rotated and tilted at the same time in the "x" and "y" axis. All loose shot is recycled for reuse.

Shaker Cool down

Lastly, the final step recycles the loose shot and cools the parts. The basket of parts are again loaded by hoist, eliminating the handling and tumbling of individual parts. Clean components are cooled down ready for machine work.



Why?

No more waiting two or three hours for parts to dry or cool. In that amount of time, you could have had approximately two to three parts clean and ready for machine work, Increased productivity in your shop today.

Sizes

Why LS Industries?

SPECIFICATIONS:

Pre-Engineered Models

MODEL #	DIMENSIONS (L X W X H)	BASKET CAPACITY	BLAST MOTOR	BTU OVEN	DUST COLLECTOR
36 Series	36" x 20" x 20"	4 heads, 1 block	7.5HP	360K	DC1
44 Series	44" x 20" x 20"	4 heads, 1 block	10HP	554K	DC1
54 Series	54" x 40" x 39"	8 heads, 2 blocks	20HP	1.0M	DC3
75 Series	75" x 43" x 40"	12 heads, 3 blocks	15HP	1.1M	DCC5
85 Series	85" x 43" x 43"	12 heads, 4 blocks	20HP	1.5M	DCC-10
104-45 Series	104" x 45" x 45"	16 heads, 5 blocks	25HP	1.5M	DCC-10
127-45 Series	127" x 45" x 45"	20 heads, 6 blocks	30HP	2.5M	DCC-10

More sizes available

Features

- Includes dust collector
- Locking bars
- Separator grate
- Burner that will bake and carbonize any grease, oil, debris, or dirt on the work piece
- Afterburner that eliminates any potentially hazardous fumes

Options

- Voltage
 - 208-220V/1PH
 - 220V/3PH
 - 440V/3PH
- Block fixture
- Small parts basket
- Loading/Unloading cart
- Monorail
- Custom baskets

Let us, help you

Burn through one of your most time consuming tasks and fire up your productivity with LS Thermal Heating System. Now available in seven sizes.



Loading/Unloading Cart

For 47+ years, LS Industries has designed and manufactures a diverse product line of custom surface treatments and metal cleaning equipment. In addition to the ability to develop custom equipment solutions, LS Industries also provides highly responsive service for your equipment. LS Industries has a global presence as a leader in the design and manufacture of cleaning and surface preparation equipment for structural steel, pipes, and parts washing applications. While our product line has grown to include a wide diversity of cleaning solutions, our depth of experience with high-performance requirements of metal finishing has established LS as the trusted name in the industry. Family owned located in the middle of the map in Wichita, Kansas.

