

MARCH 2020

MANUFACTURING



ABOUT US



HEART OF FURNACE



Industrial cooling jackets, muffle, and other related parts come in various types and size. As a result, their requirements vary greatly depending on usage and operating environment.

PROLIFIC therefore offers a wide variety of special services. Our experts work on giving the top notch quality to the clients, using the best raw material to create the best, on-condition maintenance, and optimized repair work scopes for reduced costs..

Our strength include:

- Quality planning
- Cost effective products and services
- Efficient and precise execution process
- Timely services and befitting communication



MANUFACTURING FACILITIES

WORK SHOP AREA : LENGTH 54M, WIDTH 24M, HEIGHT 15M

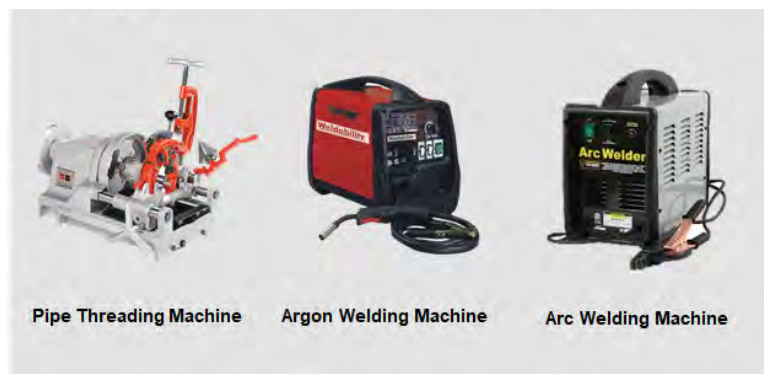
Floor Loading	2 Tons/m2
Cranes : 3.2 Tons	2 Unit(s)
Lathe Machine	2 Unit(s)
Milling Machine	1 Unit(s)
TIG Welding Machine	2 Unit(s)
MIG Welding Machine	2 Unit(s)
DC Arc Welding Machine	5 Unit(s)
Plasma Arc Cutting Machine	2 Unit(s)
Hydraulic Press Machine	1 Unit(s)
Radial Drilling Machine	1 Unit(s)
Magnetic Drill Machine	1 Unit(s)
Fiber Cutting Machine	2 Unit(s)
Hacksaw Machine	1 Unit(s)



Lathe Machine

Milling Machine

Plasma Cutter



Pipe Threading Machine

Argon Welding Machine

Arc Welding Machine

MANUFACTURING PROCESS

We provide industries with parts that are required in order to build, maintain and repair these high-end machines. Our processes include, sheet metal fabrication, CNC machining, stamping, forming and assembling of the product.

ANALYZE AND REVIEW

Before starting work We have a meeting with engineers and designers to ensure that they work exactly where they want every job.



DESIGN

We do so many of these types of jobs, our design team can design and/or fabricate custom cooling jacket and related parts for your every need

PRODUCTION

Prolific fabricates or repairs your equipment by cutting, welding and assembling components based on client design and specifications.



MATERIAL PREPARATION

To cut the sections to length and profile the plates to the desired size or shape. This can be done in a number of ways using a range of automated machinery i.e. laser cutting and bending machine.

INSPECT FOR PERFECTION

Finished products are inspected by highly trained engineers and also available to assist for better functionality and services



PACK AND DELIVER

We have experienced staffs to offer proper packaging without any kind of damage

CHECK POINT

We also have procedure and many documents of certificate intended to ensure that a manufactured product or performed service adheres to a defined set of quality criteria or meets the requirements of the customer.



MATERIAL CERTIFICATE



WELDING PROCEDURE



NON DESTRUCTIVE TEST



PAINTING PROCEDURE



PRESSURE TEST



PICKING PROCEDURE



PRODUCTION TEST



TRANSPORTATION

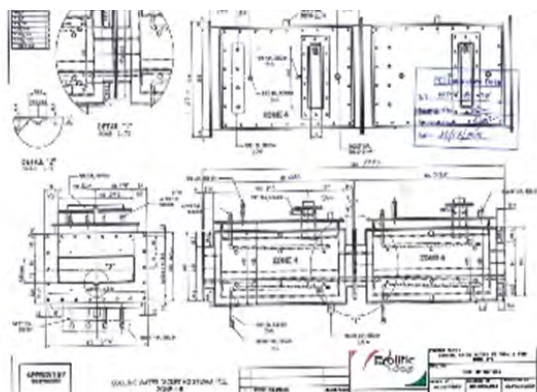


WELDER PERFORMANCE



CUTTING & LASER CUT

We use laser cutting machines for achieve the precision levels and edge quality better than traditional cutting methods.



INSPECTION

We control quality by carrying out inspection before, during, and after production to ensure whether the repaired product meets all the engineering, design, and specification requirements.



PRESSURE-PRESSURE DECAY METHOD

Pressure decay leak detection testing instruments are extremely useful for checking repaired products to ensure the highest quality.



WELDING & ASSEMBLY

we have welders whose skills are verified and can follow the instructions in a given welding procedure specification.



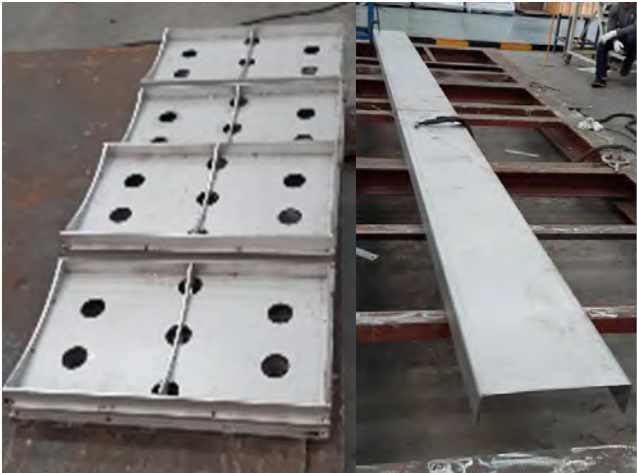
PENETRANT TEST (PT)

All repaired products have to take penetrant test (PT) before packing to detect surface-breaking discontinuities in welding that invisible to the naked eye.



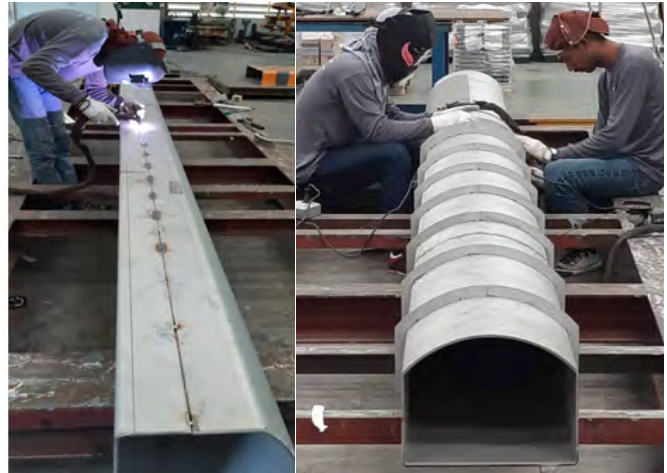
PACK AND DELIVERY

The finest quality radiant heater will be shipped to our customers at the precise time and in strong packaging.



CUTTING & LASER CUT

We use laser cutting machines for achieve the precision levels and edge quality better than traditional cutting methods.



WELDING & ASSEMBLY

we have welders whose skills are verified and can follow the instructions in a given welding procedure specification.



PENETRANT TESTING (PT)

All repaired products have to take Liquid penetrant test (PT) before packing to detect surface-breaking discontinuities in welding that invisible to the naked eye.



PRESSURE-PRESSURE DECAY METHOD

Pressure decay leak detection testing instruments are extremely useful for checking repaired products to ensure the highest quality. The results are documented and sent to the customers for verification.



CUT THE FAILED AREA

After visual inspection, we cut and change only the failed area to reduce costs.



CLEANING

Prepare new parts and clean existing parts before production

WELDING & ASSEMBLY

we have welders whose skills are verified and can follow the instructions in a given welding procedure specification.



FINISH

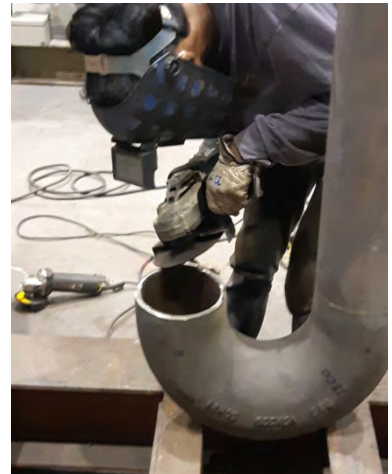
we known for high durability, strength performance, and dimensional accuracy. These cooling jacket are manufactured with precision and stand high on quality before deliver to customers.



BEFORE The failed radiant tubes are analyzed by PROLIFIC team to find the suitable repairing method.

**REPAIRING
PROCESS**

After analyzing the tube damage, we will cut and assembly with new part to existing part by welding then clean it.



FINISH

All finished products are inspected by QC methods, include PT test, leak test, etc. until the products are ready to be returned to customer.



DESIGN

Our expert design team will evaluate all the possible ways of achieving your desired function.



PREPARE PARTS AND MATERIALS

Prepare new parts and clean existing parts before production



PRODUCTION PROCESS

During production, PES have highly skilled engineers to control procedures, inspect electrical systems, and ensure we meet safety and standards of the business in reliability, durability and functionality.



FINISH

We have the final check carried out by the our inspector on a products and includes various checks to ensure that the product is up to a certain standard before hand it over to customers.





DESIGN

Our expert design team will evaluate all the possible ways of achieving your desired function.



PREPARE PARTS AND MATERIALS

Prepare new parts and clean existing parts before production



PRODUCTION PROCESS

During production, PES have highly skilled engineers to control procedures, inspect electrical systems, and ensure we meet safety and standards of the business in reliability, durability and functionality.



FINISH

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RELINING INSULATION FOR CIRCULATION FAN FOR UBE 600 FURNACE

OUR PROCESS

- Dismantle fan set
- Clean all part
- Dynamic balancing test
- Assembly fan shaft
- Change insulation blanket
- Inspect and Report
- Deliver



TAKE OLD INSULATION OUT AND INSTALL NEW ONE



DISMANTLE FAN SET



CLEAN ALL PART



DYNAMIC BALANCING SERVICE TEST



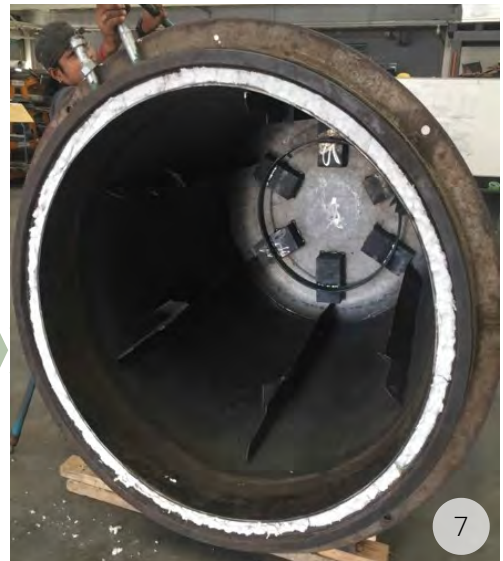
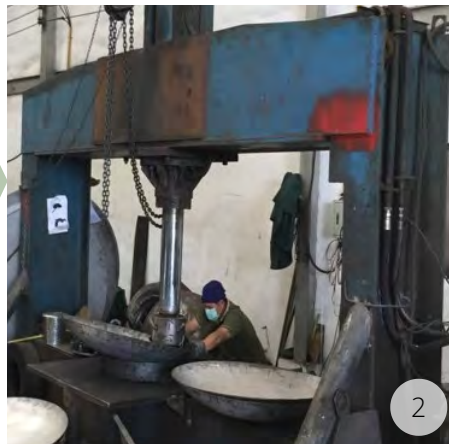
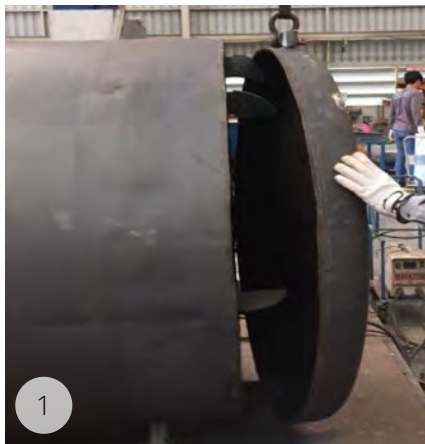
DYNAMIC BALANCING DATA

HOUSING			
SHAFT DIAMETER (mm)	40	REQUIREMENT (mm)	±0.02
INSIDE DIA.	40	REQUIREMENT (mm)	±0.02
INSIDE OUTSIDE DIAMETER	40	REQUIREMENT (mm)	±0.02
PERCENTAGE OF HOUSING HOUS DIAMETER (BALANCING CLASS)	0.70-1.2	REQUIREMENT (%)	±0.02
PERCENTAGE OF HOUSING HOUS DIAMETER	0.70-1.2	REQUIREMENT (%)	±0.02
TEMPERATURE DIFFERENCE CLASS (mm)	0.70-1.2	REQUIREMENT (%)	±0.02
PERCENTAGE OF DIFFERENCE CLASS (mm)	0.70-1.2	REQUIREMENT (%)	±0.02
SHAFT			
SHAFT DIAMETER (mm)	40	REQUIREMENT (mm)	±0.02
INSIDE DIA.	40	REQUIREMENT (mm)	±0.02
INSIDE OUTSIDE DIAMETER	40	REQUIREMENT (mm)	±0.02
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CHANGE BOTTOM PLATE OF THE RETORT

1. Confirm dimension with drawing
2. Bend new bottom plate
3. Assembly & Welding
4. PT Test
5. Change blanket insulation
6. Cleaning
7. Inspection

The retort furnaces are equipped with direct or indirect heating depending on temperature. They are perfectly suited for various heat treatment processes requiring a defined protective or a reaction gas atmosphere.



MANUFACTURING PRODUCT AND EXPERIENCES

FURNACE EXPERIENCES

With talented experts and skilled engineers, we have emerged as one of the best Manufacturer and Supplier of furnace.



MANUFACTURING PRODUCT AND EXPERIENCES

We provide complete application design, manufacturing testing and site services.

FURNACE ACCESSORIES EXPERIENCES



FEBRUARY 2020

PROLIFIC GROUP

HEART OF FURNACE



HEART OF FURNACE

WE APPRECIATE THE OPPORTUNITY TO INSTALL, SERVICE, AND TEST & INSPECT YOUR EVERY NEED.



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