



Fabrication  
Control Panel  
Cable Box & Duct



TK LLC CONTROL PANEL SHOP  
TK LLC FABRICATION SHOP

# ANYTHING IS POSSIBLE

We are proud to have served our community.  
We aim to provide superior quality service at affordable prices.



Panoramic view of the Company



## Our Company

TK LLC was founded in 2012 By Tae Kyong Kim when he identified the need to support TK Electric LLC with the manufacturing and fabrication of power transformer control panels and parts for the growing industrial power transformer industry.

By 2013 we grew into a full manufacturing and fabrication facility producing steel components such as bushing housings, flanges, hand holes, conservator tanks and other metal parts to provide added value to our customers. In 2014, We added a new fabrication facility along with more machinery to be used by our growing family of employees.

With the addition of these resources, we expanded into other industries and have been providing quality service and solutions to meet our customers' needs.

It is the goal of TK LLC to fabricate metal structures and components to meet the quality demands of the various industries we serve.

We provide specific metal finishes as required by specifications and ensure that quality control and assurance is established and followed.

TK LLC is experienced and has the capability to fabricate any item to meet your specifications.

Skilled machinists, in our fully equipped manual and CNC machine shops, are armed with the latest tools to create the most reliable repair or replacement components.

When it comes to cost-effective and innovative methods of manufacturing a new part or restoring or enhancing industrial machine performance, our machining and fabrication division is ready to serve you.

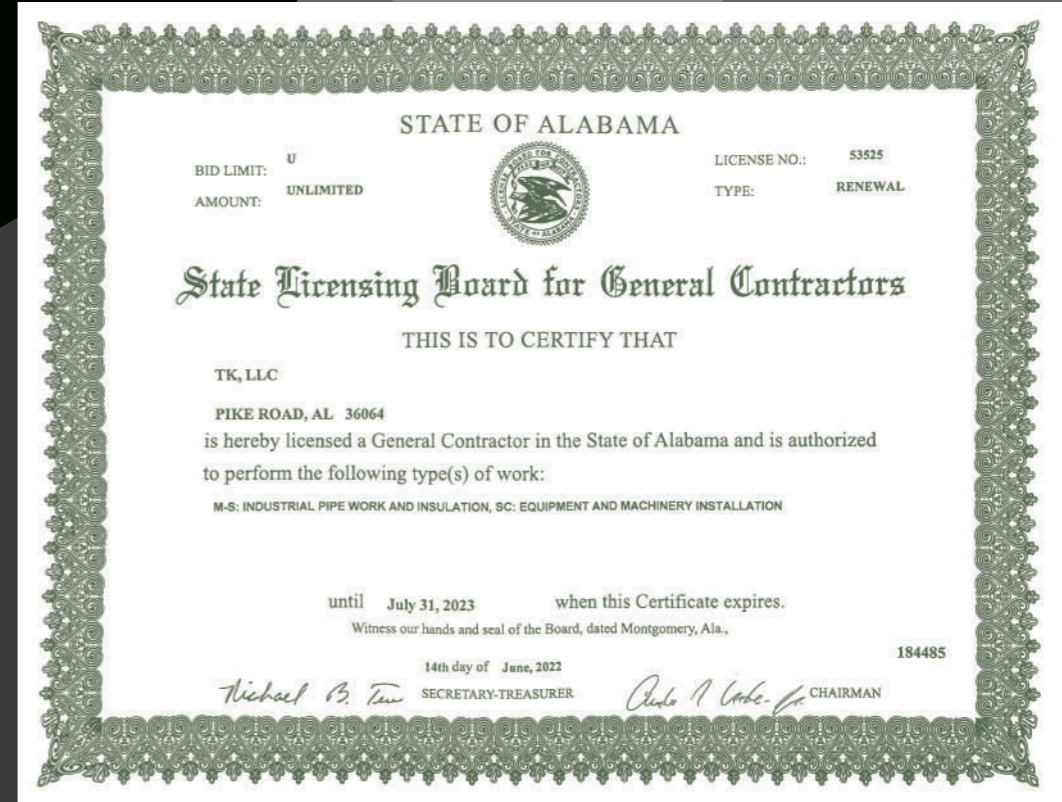
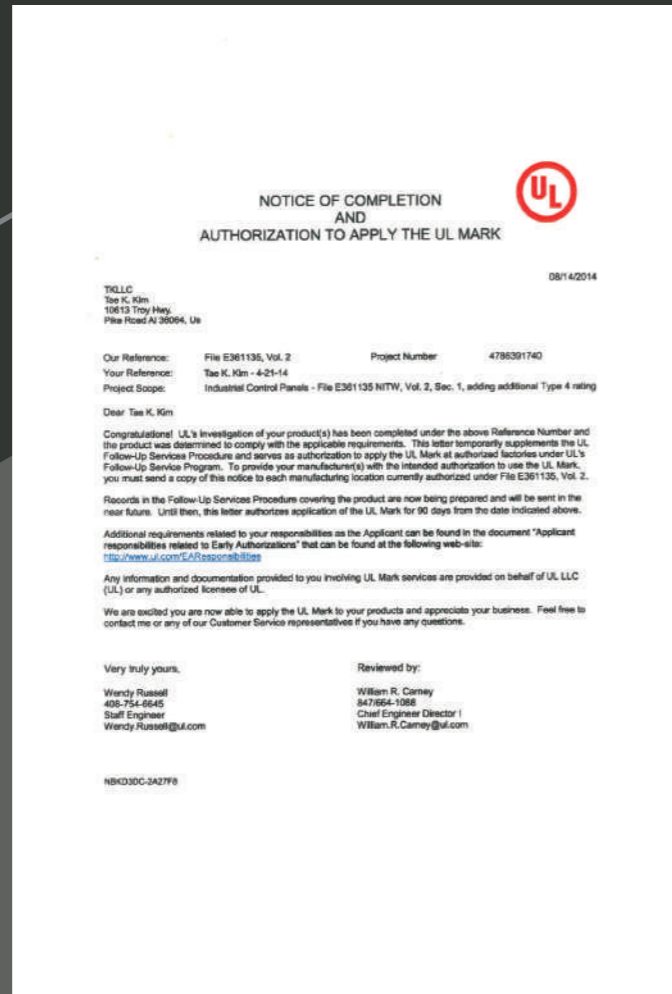
LICENSE AND INSURANCE

WE ARE LICENSED UNDER

- UL 508 Control Panel Certification
- Alabama State Business License
- Alabama Pike Road License
- Alabama State General Contractor License - Unlimit
- Tennessee State Contractor License - Unlimit

WE ARE INSURED BY

- \$1,000,000 Workers' Comp Insurance
- \$5,000,000 Umbrella Liability Insurance



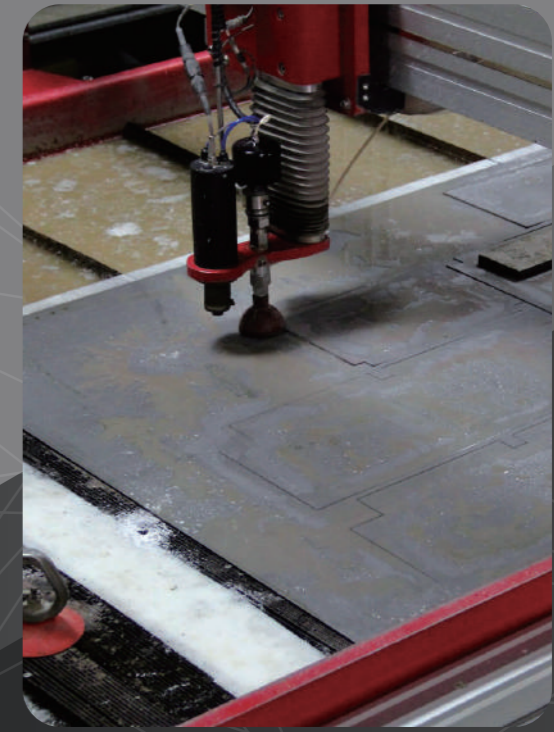


○ Customer, NextEra Energy, taking a tour on their visit to discuss a new business opportunity with TK LLC

# TK LLC CONTROL PANEL SHOP

- OMAX WATER JET
- AMADA CNC LASER MACHINE
- AMADA CNC PRESS BRAKE
- PANEL WELDING SHOP
- POWDER COATING
- PANEL ASSEMBLY SHOP
- PANEL PRODUCTS

# OMAX WATER JET



## OMAX WATER JET

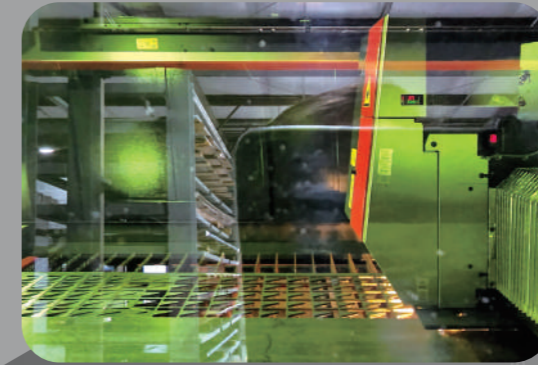
The quality of a product is dependent on the quality of its components. TK LLC utilizes high precision CNC waterjet cutting to get our products to the right spec to ensure a proper fit. The waterjet is able to accurately cut through various thicknesses and nearly any material with highly pressurized water and abrasive additives.





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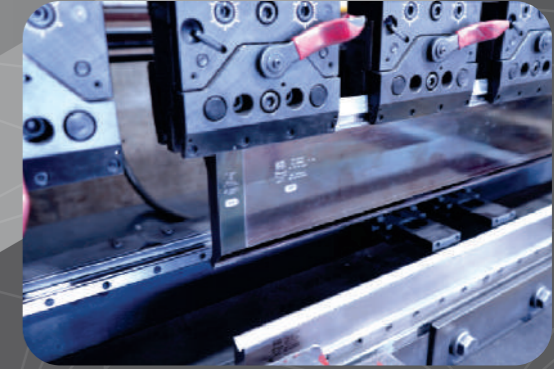
# AMADA CNC LASER MACHINE



AMADA CNC LASER MACHINE

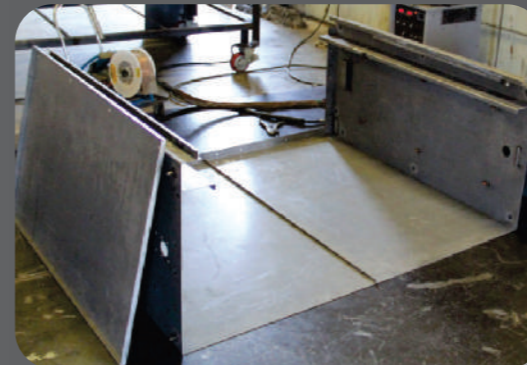


# AMADA CNC PRESS BRAKE



## AMADA CNC PRESS BRAKE

The CNC press brake is one of the machines used in our forming processes. This machine gives us the ability to bend materials at various angles. Typically, enclosures and brackets are formed by bending. The CNC controls allow several items to be bent with accuracy and consistency.





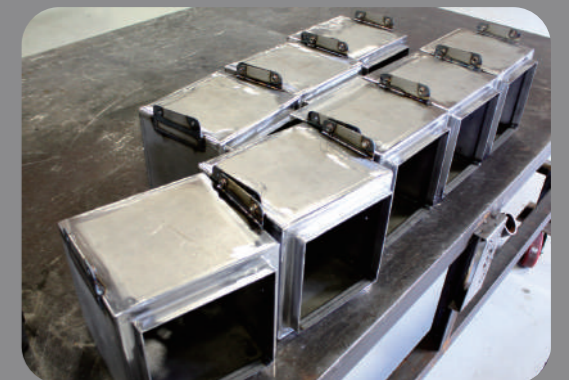
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CONTROL PANEL  
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# WELDING SHOP



## WELDING SHOP

At TK LLC, we have two welding shops. The first mostly handles thinner materials and enclosures. Our welders have vast experiences in manufacturing to high standards in numerous demanding industries such as the power transformer and automotive industries.





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# POWDER COATING



## POWDER COATING

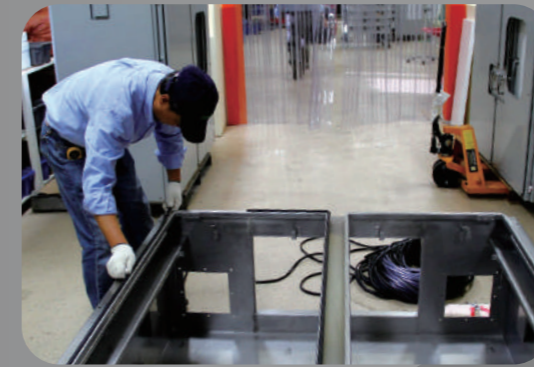
We keep most of our processes onsite by offering finishing options such as powder coating and painting. This reduces costs and allows us to have a quick response time in production. Our powder coated products are durable and last in some of the harshest conditions for years.





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# PANEL ASSEMBLY SHOP



## PANEL ASSEMBLY SHOP

The panel assembly shop pieces together components that go into our control panels.

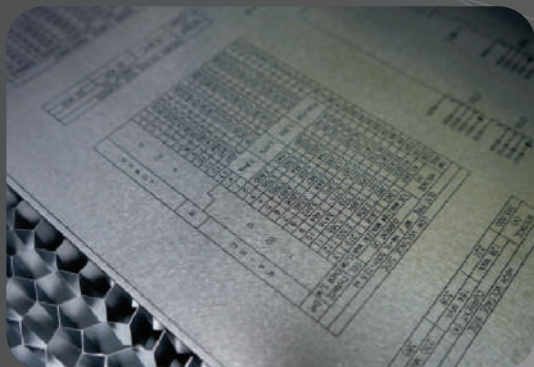
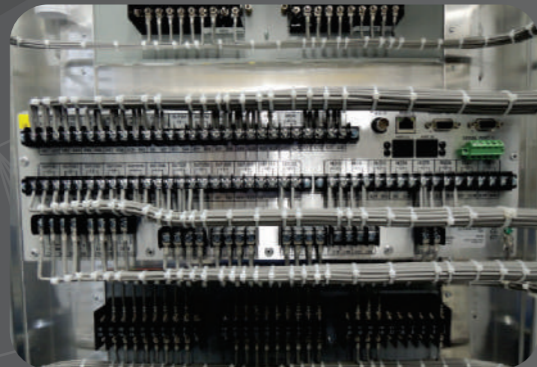
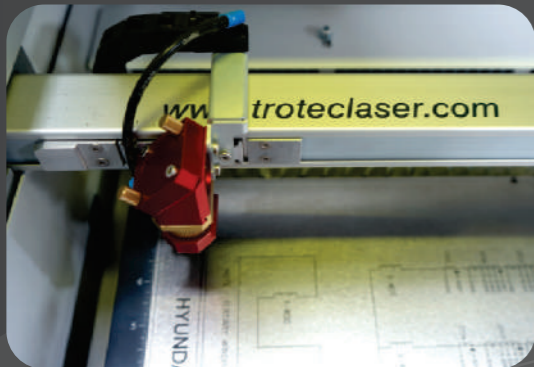
Here they receive assembly, wiring and final inspection. Most of the components are produced onsite and nearly anything that cannot be is procured locally.





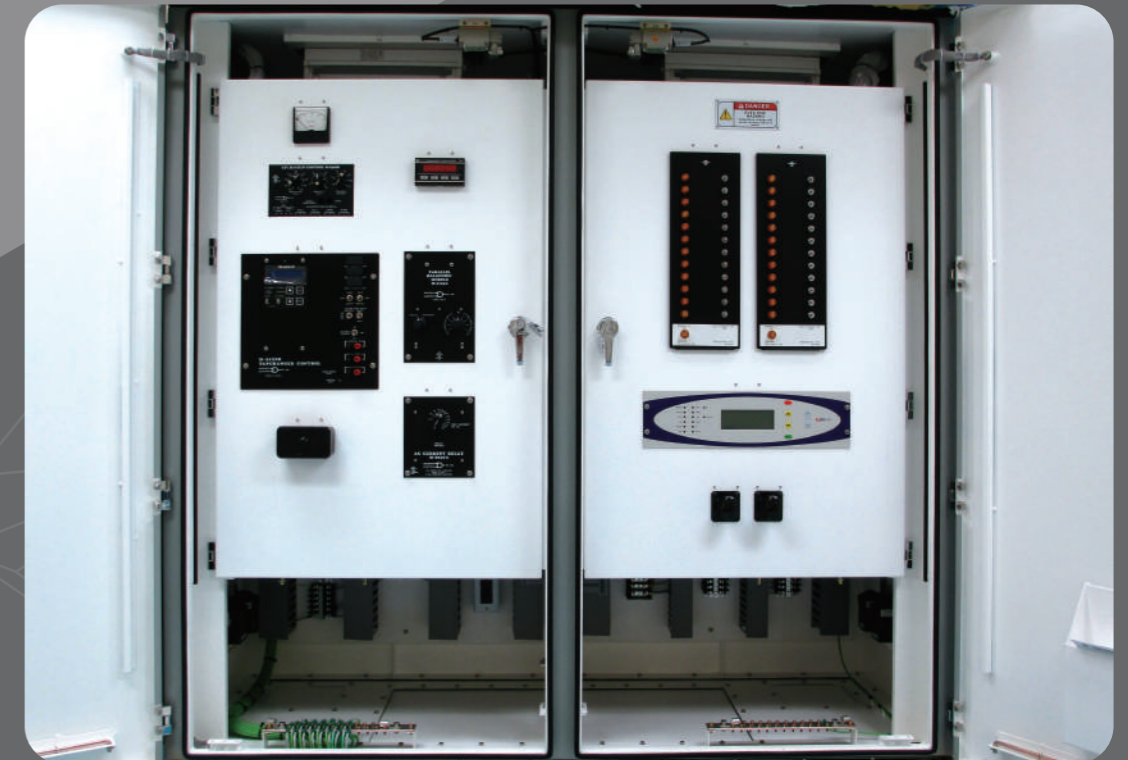
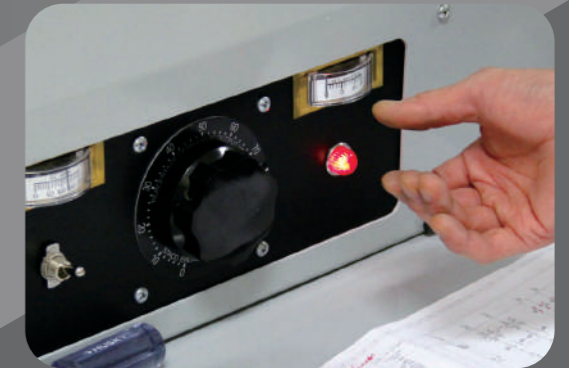
### PANEL ASSEMBLY SHOP

The control panels are wired together by our teams with the utmost attention to detail. The wiring assemblies are neat and organized; therefore, allowing any maintenance required to be accessible and swiftly administered. We also produce our own plaques for labeling of control surfaces.



### PANEL ASSEMBLY SHOP

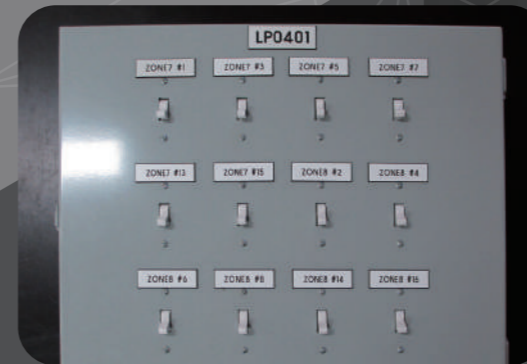
Our panels are inspected to make sure they will be operational in the field before installation. They are connected to a specially designed testing module that allows us to isolate the components at variable voltages in AC and DC currents. Our teams proactively develop new testing modules that allow us to offer a greater quality to our customers.





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# PANEL SHOP PRODUCTS



## PANEL SHOP PRODUCTS

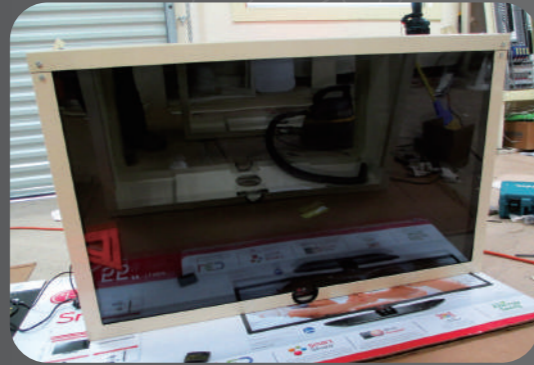
We have provided several products to clients including:  
Locking enclosures, industrial computer housings,  
and even custom design light covers.  
Our panel shop is focused on offering our clients custom solutions for  
their industries.





### PANEL SHOP PRODUCTS

The enclosures and control panels are produced to endure an industrial environment where production could stop if their contents are damaged. Our clients can rest assured knowing that their equipment will remain in safe working order with TK LLC.



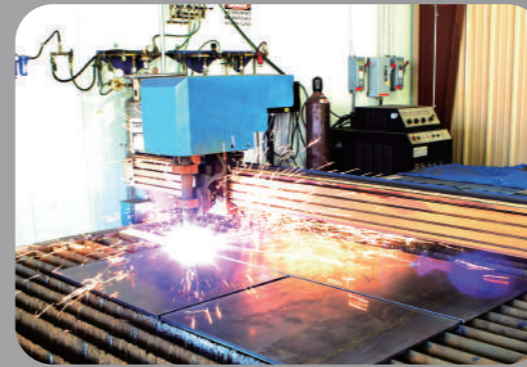
# TK LLC FABRICATION SHOP

- CNC PLASMA CUTTING MACHINE
- BIKO 4 ROLLER PLATE ROLLING MACHINE
- HAAS VF 7/50 CNC MILLING MACHINE
- MANUAL LATHES
- TURNING MACHINE
- RADIAL MACHINE & DRILL & ETC.
- AMADA SHEARING MACHINE
- POWER PRESS MACHINE
- SPRAY PAINT BOOTH
- AIR BLASTING BOOTH
- FABRICATION WELDING
- FABRICATION PRODUCTS



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# CNC PLASMA CUTTING MACHINE



## CNC PLASMA MACHINE

In addition to our waterjet, we have a CNC plasma cutter. This machine is able to cut through steel up to 1 1/4" thickness at high speeds allowing us to shave down costs. Having multiple cutting machines also allows us to allocate resources if necessary, providing flexibility in production.





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# BIKO 4 ROLLER PLATE ROLLING MACHINE



## BIKO 4 ROLLER PLATE ROLLING MACHINE

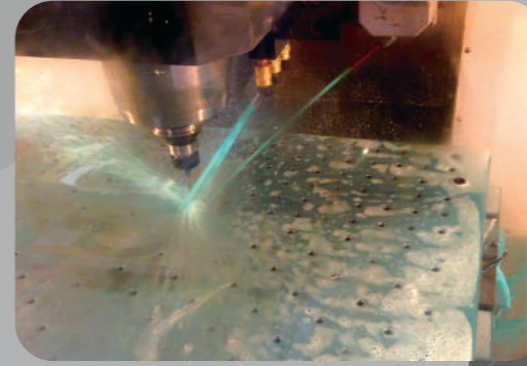
Rolling is another forming capability we have onsite. Our rolling machines allow us to put a curve in materials even as far as to make a continuous circle. Being able to accurately form our components is crucial to its fit and installation.





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# HAAS VF 7/50 CNC MILLING MACHINE



## HAAS VF 7/50 CNC MILLING MACHINE

Our CNC mill is capable of producing very intricate parts consistently and quickly.

This machine is equipped with a robotic tool changer and can do several different functions, which eliminates the need to setup the same part on multiple machines. This lowers the cost of production.

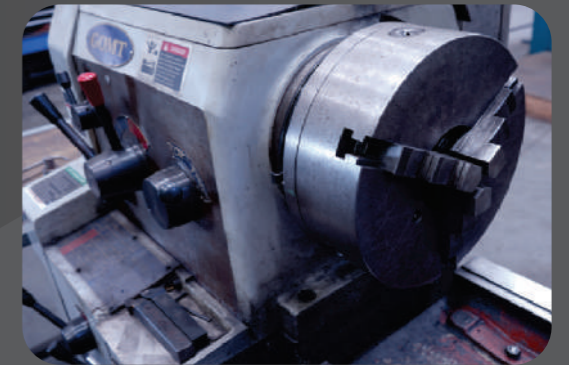


# MANUAL LATHES



## MANUAL LATHES

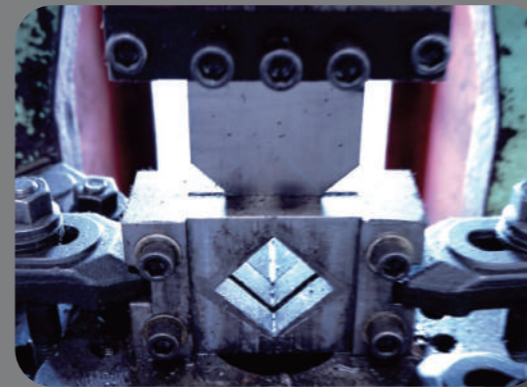
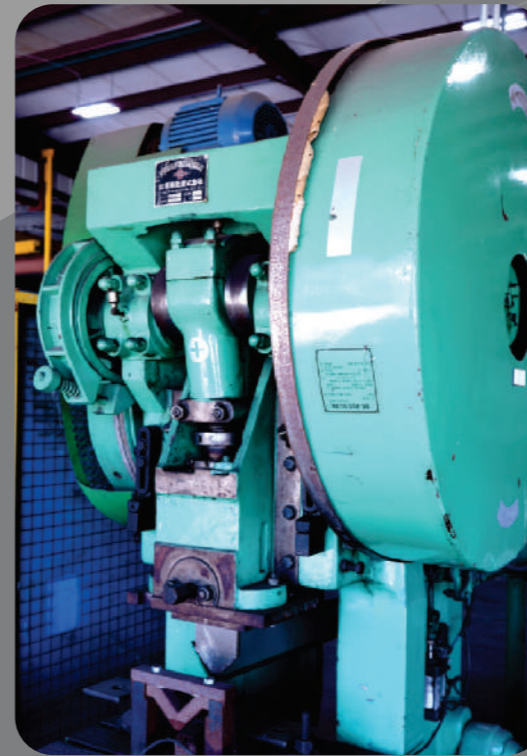
Our shop houses several traditional manual machines. These machines are masterfully operated and can produce multiple components. The manual lathe is capable of making components in conveyor systems like rollers as well as large bolts.





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# AMADA SHEARING MACHINE POWER PRESS MACHINE

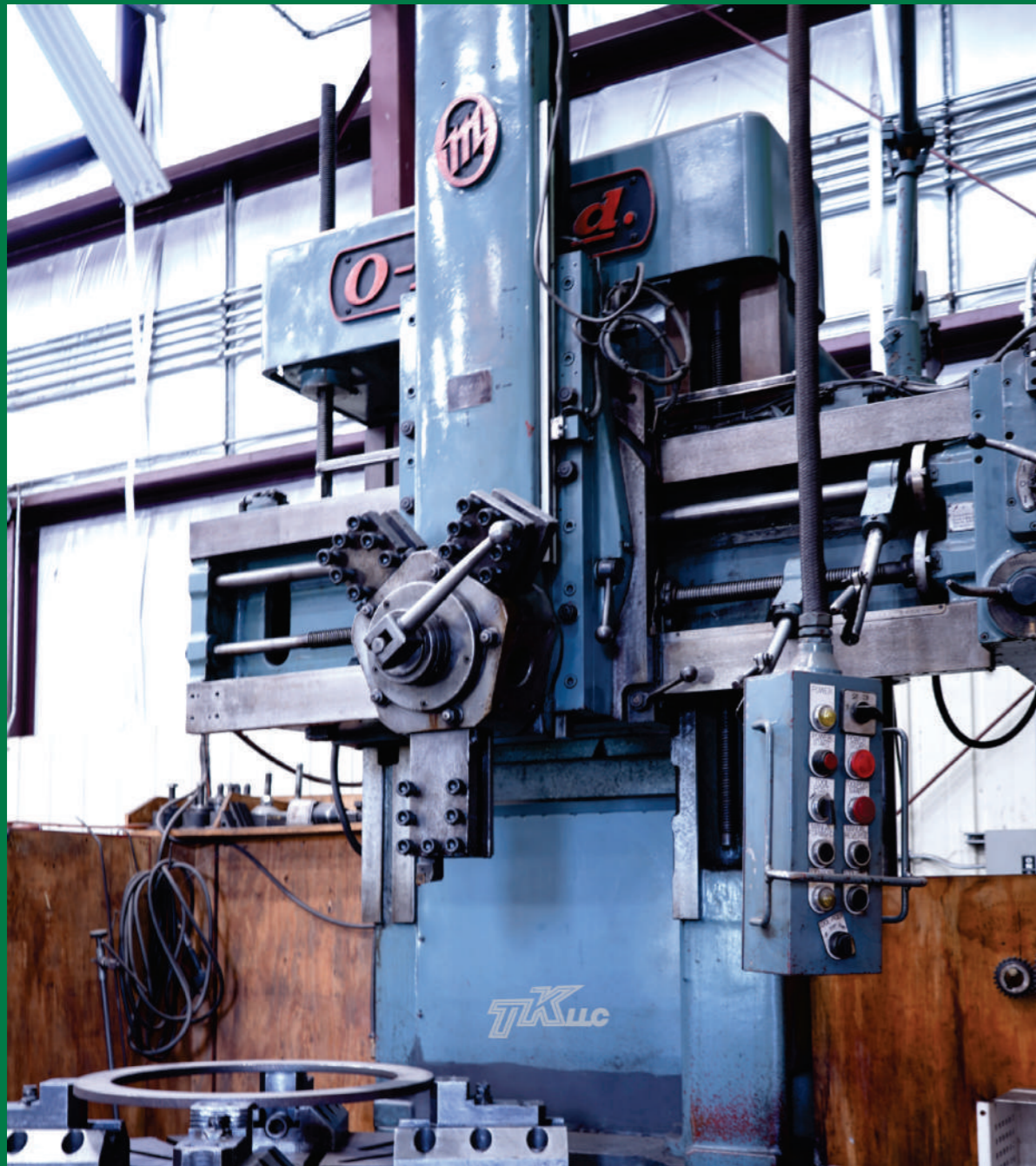


## SHEARING MACHINE POWER PRESS MACHINE

Our AMADA Shearing machines are multi-purpose devices used in the cutting of alloys and other sheet metal. Some shearing machines use a scissor-like, angular shear action to cut metal into sheets or strips.



# TURNING MACHINE RADIAL MACHINE & ETC.



## TURNING MACHINE RADIAL MACHINE & ETC.

TK LLC is also able to produce products with the use of a turning machine which cuts circular objects.

This machine is perfect for manually producing flanges.

We also have a manual mill, drill presses, and a band saw to help get the job done.





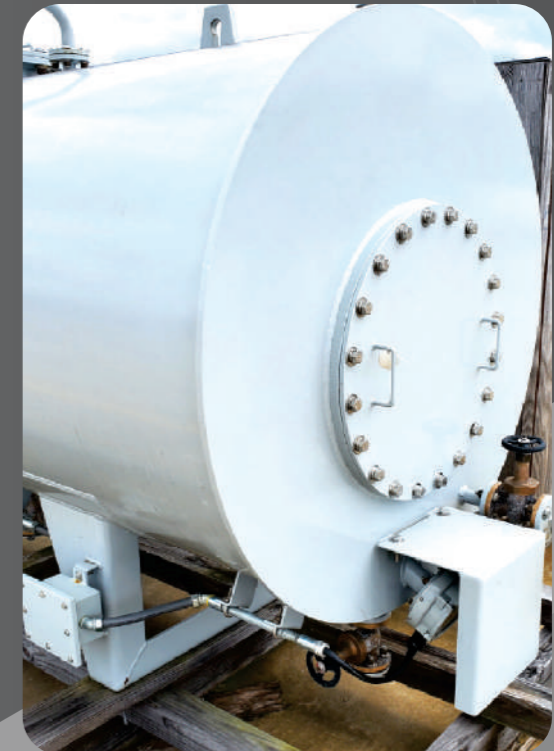
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# SPRAY PAINT BOOTH



## SPRAY PAINT BOOTH

Our Spray paint booth draws fresh air through filters in the drive-in doors. This clean filtered air is pulled through the booth and then exhausts through a filter system on the other end.





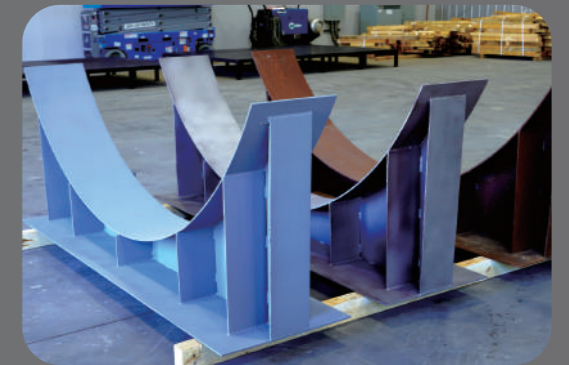
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# AIR BLASTING BOOTH



## AIR BLASTING BOOTH

Our All-In-One Containerized Blast Room, we set about replicating the performance of our external cartridge dust collector system in a portable format. The result is a compact, high-performance cartridge filter module that comes preinstalled and provides excellent performance without compromise.





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# FABRICATION WELDING SHOP WELDING PRODUCTS



## FABRICATION WELDING

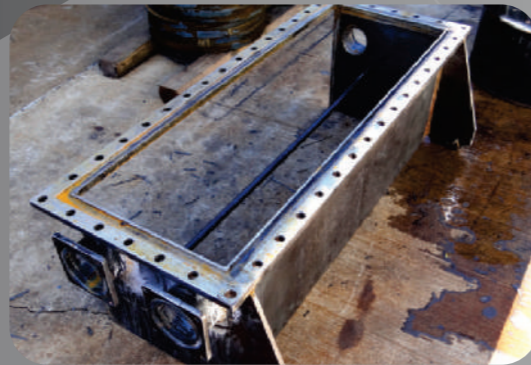
Our fabrication shop handles much larger projects. This facility houses a 10-ton crane as well as four 5-ton cranes. It is here that we are able to fabricate metal structures and larger metal parts. We also provide support to our contractors in the field from here.





**FABRICATION WELDING**

Some of the products that we frequently produce are: parts racks, industrial tool racks, guard rails, mezzanines, stairs, flanges, bushing housings, tooling, cooling systems, and conservator tanks.

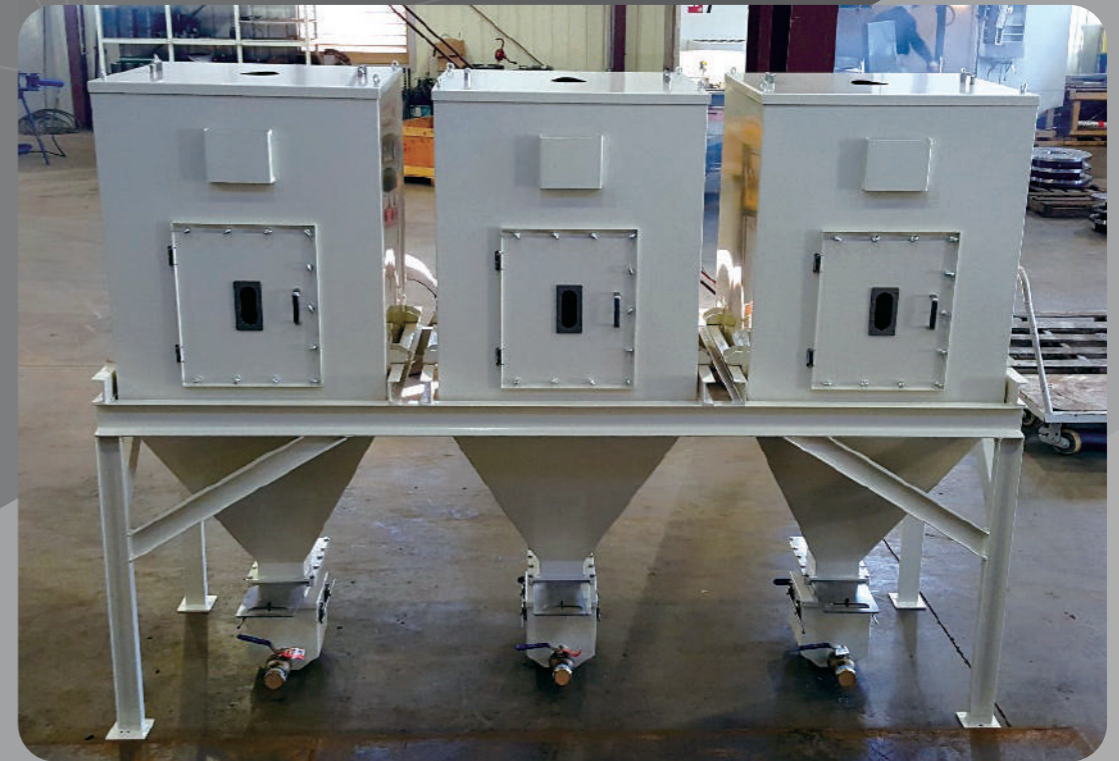
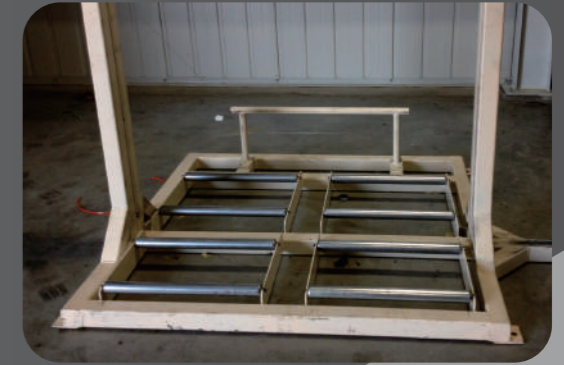
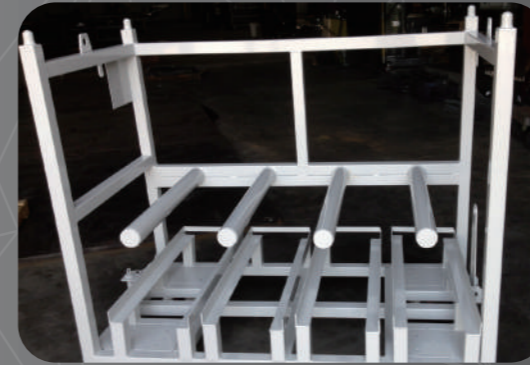


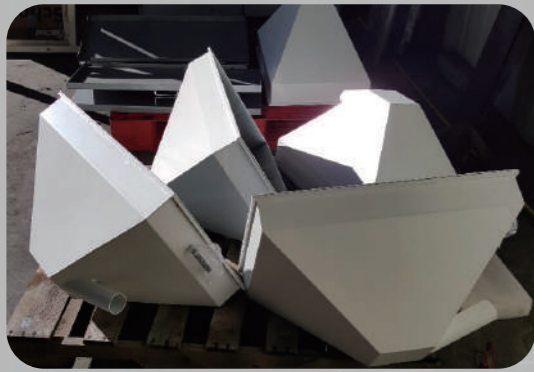
**FABRICATION PRODUCTS**

We make several customized parts racks for numerous generations of cars in assembly.

This is because the part specifications change with each generation of a car.

We also make hoppers for the plastic injection molding industry.





### FABRICATION PRODUCTS

Our experienced staff of professionals have the abilities to repair and re-manufacture your worn parts to specification in order to save your money and valuable time.



TK LLC is proud to serve our customers as well as our community.

We are always striving to increase efficiency, quality, and productivity to continue adding value to our clients.

We are here to support you for all of your project needs.

# THANK YOU

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