HH Engineering

Always Be Innovative !!

COMPANY PROFILE

Block No. 19-20, Ichhapore Bus Stop No-2, Adajan Hazira Main Road, Ichhapore, Surat – 394510.
Gujarat, INDIA.

ABOUT US

H H Engineering is a leading name in the domain of CNC Fiber Laser Cutting Machine, CNC Plasma Cutting Machine, CNC Oxy-fuel Cutting Machine, Industrial Laser Welding Machine and Industrial Automation Machine. Also we Provide Customized Laser Solution. That are widely used in the manufacturing of semiconductor, automobile parts, machines, etc. These machines are also demanded in packaging, leather, plastic, military, medical equipment and other industrial sectors.

We build automation Laser Marking processing systems like simple parts handling, rotary marking, HMI Controlled automation marking system, conveyor system on the basis of On-the-Fly (OTF) technology as they pass through the laser field. This ensures unmatched output and excellent manufacturing of converting lines and different automation systems.

Innovative ideas, modern technologies and latest raw materials are combined to design the best. Every single detail and quality norm is taken into consideration during the development of the machines. Easy to install and easy to operate, these machines possess the potential to replace most of the machines and manual work in industries.

By constantly supplying these machines, we have already started walking on our path to success.

OUR VISION

To make a remarkable difference for our customers, our dealers and within our communities and to be recognized as India's foremost manufacturer and supplier of industrial laser machines!

OUR MISSION

HH ENGINEERING along with overall automation solution it provides innovative ideas and designs in Laser Industry which enables to build high brand value in market and enhance our strong relationship with Customers.

OUR PRODUCTS CATAGEROY

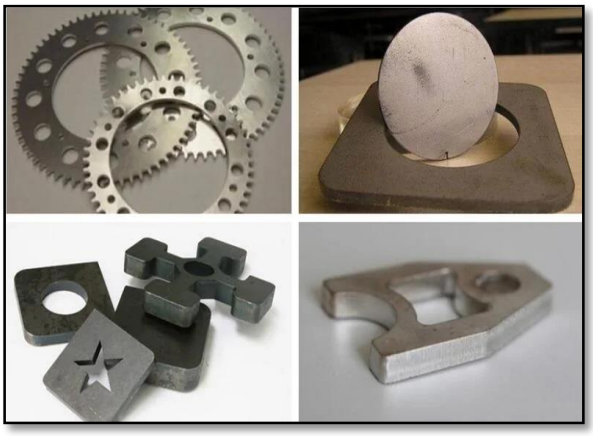
- CNC Fiber Laser Cutting Machine.
- CNC Plasma Cutting Machine.
- CNC Oxy-fuel Cutting Machine.
- CNC Drilling / Milling Machine.
- CNC Router Machine.
- Industrial Laser Welding Machine.
- Industrial Automation.
- Special Purpose Machine.

PRODUCT INFORMATION

- **CNC Fiber Laser Cutting Machine**

CNC laser cutting is a non-contact, thermal-based process. A CNC laser cutter features a laser head containing a laser focusing lens and a nozzle. Through the nozzle, this head and lens assembly focuses a laser beam a column of very high-intensity light on the work piece, melting and cutting the work piece to form the desired shape. CNC lasers employ compressed gas (also flowing through the nozzle that ejects the laser beam) to cool the focusing lens and expel the vaporized metal out of the work piece.

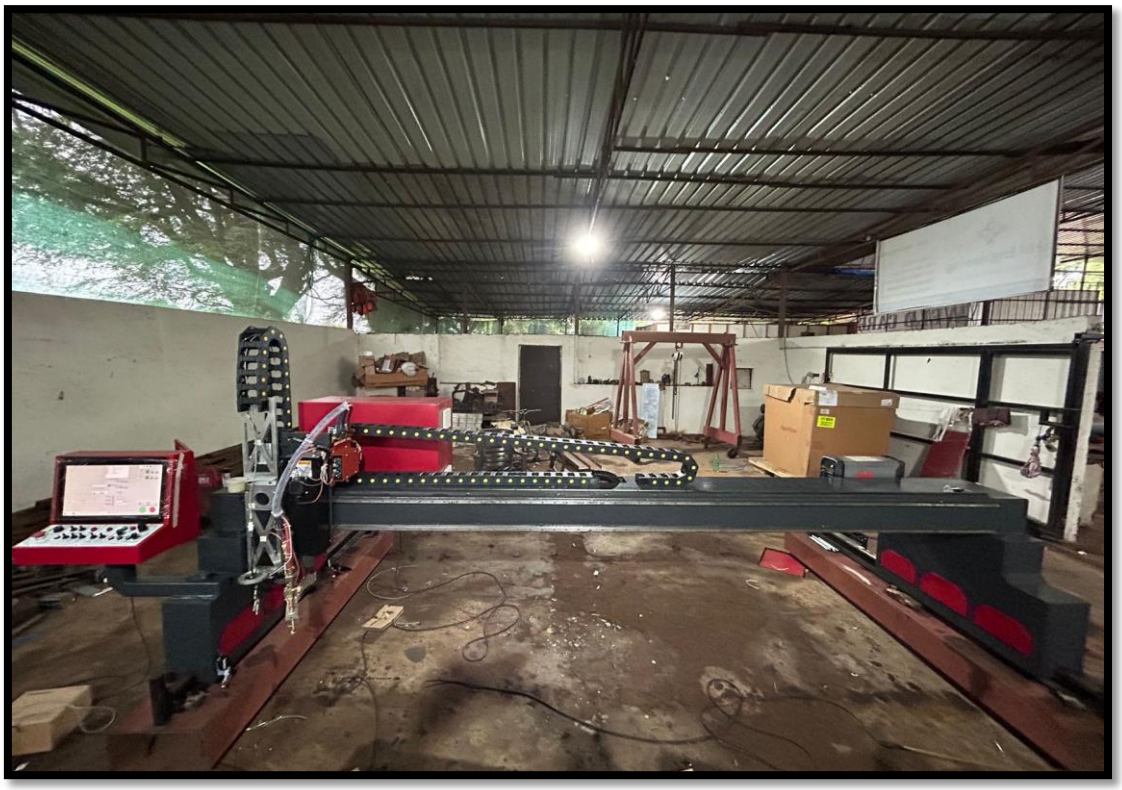
Cutting Samples.



MODEL	HHE1530-FL	HHE2040-FL	HHE2565-FL
Working Area	3050mmx1550mm	4050mmx2050mm	6550mmx2550mm
Laser Output Power	1kW to 6kW		
X/Y- Positioning Accuracy	0.03mm/M		
X/Y- Repositioning Accuracy	0.03mm/M		
X/Y- Axis main linkage speed	140M/min		
Process Material	Mild steel, Stainless steel, Aluminum, Brass, Copper.		

- **CNC Plasma Cutting Machine.**

A CNC plasma cutter is a machine that is specifically designed to cut through electrically conductive materials by using a computer to control and direct an accelerated jet of hot plasma at the material being cut. CNC plasma cutters can cut through a wide range of different materials, including steel, aluminum, brass, and copper, and can be used for a selection of different industries like fabrication and welding shops, auto repair and restoration shops, industrial construction sites, and salvage operation sites.



Cutting Samples.

MODEL	HHE1530-PL	HHE6530-PL	HHE1230-PL
Working Area	3050mmx1550mm	3050mmx6500mm	3050mmx12500mm
Plasma Output Power	45A – 300A		
X/Y- Positioning Accuracy	0.1mm/M		
X/Y- Repositioning Accuracy	0.1mm/M		
X/Y- Axis main linkage speed	10,000mm/min		
Cutting Thickness	MS 1-50mm (Depends on materials)		
Process Material	All Non Ferrous Material		

- **CNC Oxy-fuel Cutting Machine**

Oxy-fuel cutting also referred to as oxy-fuel flame cutting and oxy-fuel gas cutting, is the most economical process for cutting mild and low-alloy steel, even with weld preparations involved. Oxy-fuel cutting is regarded as one of the most important production processes in the entire metal industry

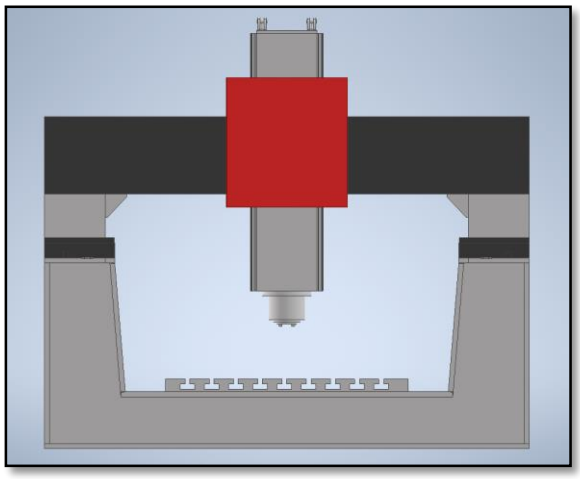
Cutting Samples.

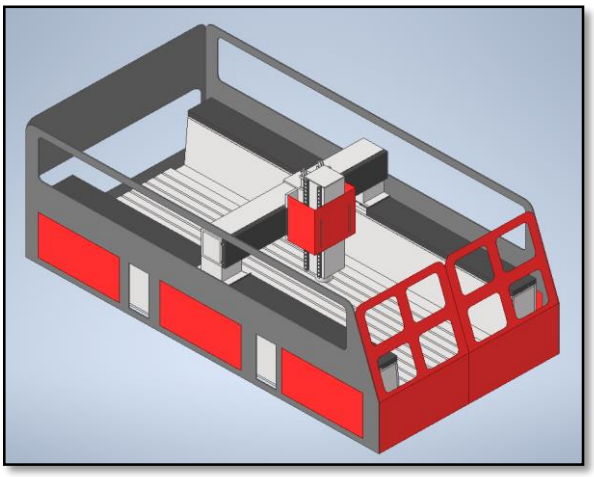
MODEL	HHE1530-OL	HHE6530-OL	HHE1230-OL
Working Area	3050mmx1550mm	3050mmx6500mm	3050mmx12500mm
Oxy-fuel Torch	Messer/OEM		
X/Y- Positioning Accuracy	0.1mm/M		
X/Y- Repositioning Accuracy	0.1mm/M		
X/Y- Axis main linkage speed	10,000mm/min		
Cutting Thickness	Only MS 10-300mm (Depends on materials)		
Fuel Gas	Oxygen, LPG/Acetylene		

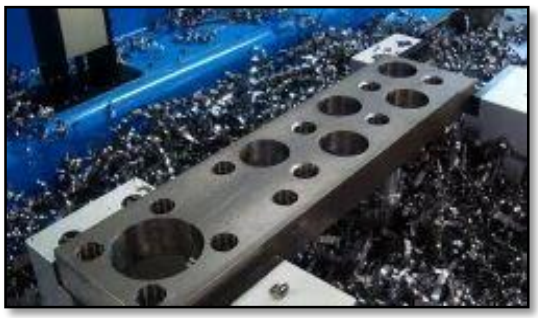
- **CNC Drilling / Milling Machine.**

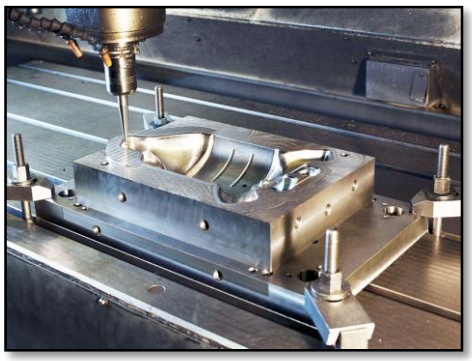
As the name suggests, is a machine tool that combines the functions of both CNC drilling and CNC milling machine. The purpose of this combination is to make a machine tool have multiple functions, which can complete multiple tasks at once, thus improving processing efficiency and accuracy.

The machine is equipped with advanced CNC control system, which can easily control the various functions of the machine, such as the rotation of the spindle, the movement of the work piece, and the cutting speed. And can be widely used in various industries, such as aerospace, automotive, mold manufacturing, and precision machinery manufacturing. It can process various composite materials, with high precision and efficiency.







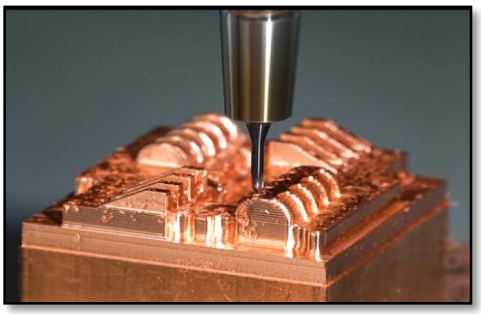


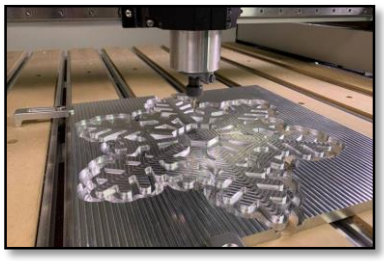
MODEL	HHE1225-D/M	HHE3015-D/M
Working Area	2550mmx1250mm	1550mmx3070mm
Spindle Output Power	1kW to 20kW	
X/Y- Positioning Accuracy	0.03mm/M	
X/Y- Repositioning Accuracy	0.03mm/M	
X/Y- Axis main linkage speed	30,000mm/min	
Process Material	Copper, Brass, Aluminum & Mild steel.	

- **CNC Router Machine**

A CNC router is a type of computer controlled machine created for milling, drilling and cutting materials. CNC routers are similar to milling machines, with some of them capable of performing almost the same tasks. The main functions are to cut, engrave and carve objects out of a work piece, essentially a replacement for the usual hand-held router. By introducing computer control to the process, the number of errors is drastically reduced.

Cutting Samples.





MODEL	HHE1225-R	HHE3015-R	HHE2537-R
Working Area	2550mmx1250mm	1550mmx3070mm	3700mmx2550mm
Spindle Output Power	1kW to 6kW		
X/Y- Positioning Accuracy	0.03mm/M		
X/Y- Repositioning Accuracy	0.03mm/M		
X/Y- Axis main linkage speed	30,000mm/min		
Process Material	Copper, Brass, Aluminum, Wood & All other kind of non-metallic material.		

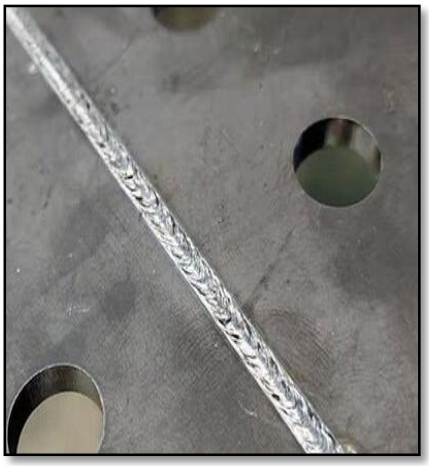
- **Industrial Laser Welding Machine.**

Laser welding utilizes a laser beam as a concentrated heat source to join multiple pieces together. Delivering a focused heat source, laser welding creates a strong seam at a high speed.

The processes and applications of laser welding are most prominent in the automotive industry, where lasers boost productivity at a low cost when welding automotive parts such as roof, door or filter assemblies together.

However, laser welding is also often used in the jewelry and medical industries to put together metals on a smaller level. Any material with a high heat conductivity can be laser welded, whether it's for an automobile or a small medical/jewelry item. Laser welding is also frequently used in high capacity manufacturing in the medical and automotive industries.

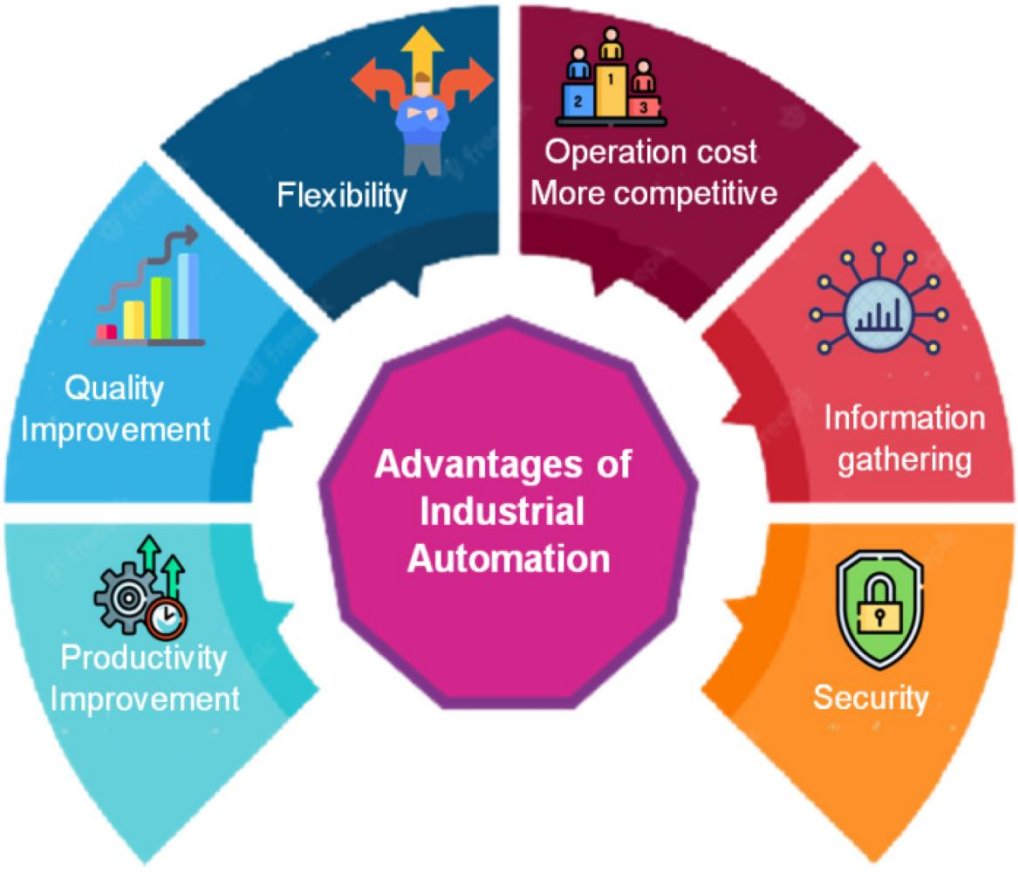
Welding Samples.



- **Industrial Automation**

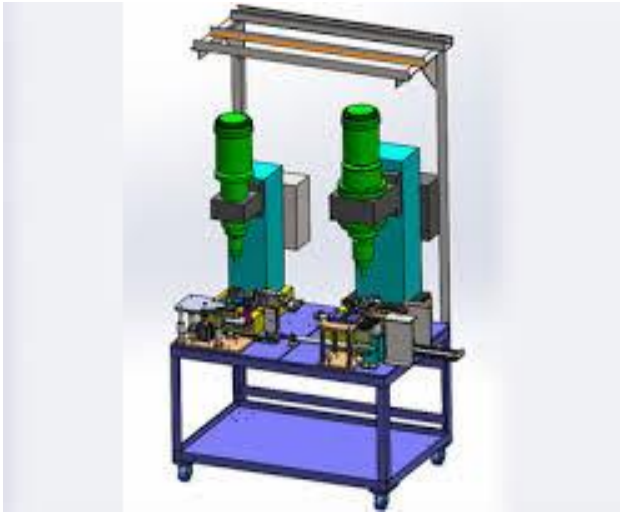
Automation is basically the delegation of human control function to technical equipment. It is the use of control systems such as computers, PLCs, Microcontrollers to control machinery and processes to reduce the need for human sensory and mental requirements as well.

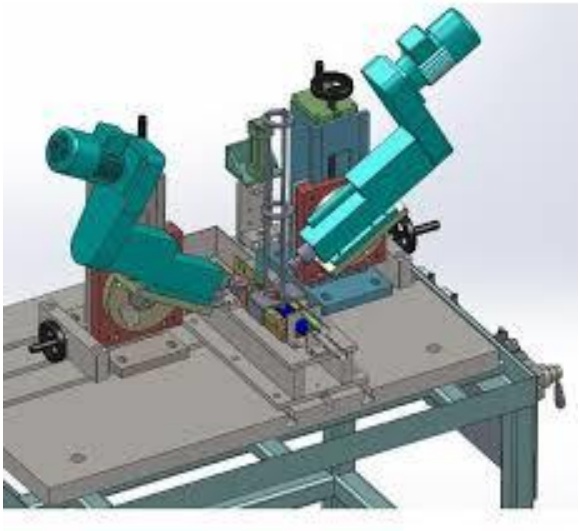
Industrial Automation i.e. to "Automate Industry" is the basic need of almost every type of manufacturing and production unit today. Food/ Beverage, Metal, Mining, Power, Textile, Petrochemical, Machine Manufacturing, Automobile etc. are the few examples where we see the automation today.

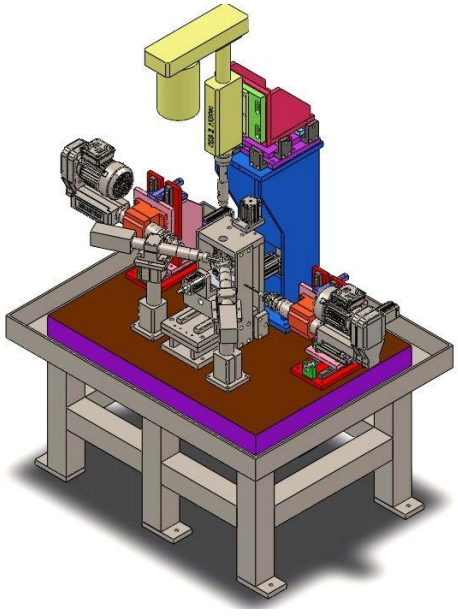


- **Special Purpose Machine**

Special Purpose Machine (SPM) are those machine which are not available off the shelf. These are not covered in standard manufacturing programs. Therefore those have to be designed & tailor made as per the customer's specific requirements.







Services

- **Updates and up-gradation**

Regular maintenance ensures the optimal technical condition of your laser systems to maximize availability. We offer updates and up-gradation support for your software and hardware.

- From the date of purchase, you will enjoy free software upgrades for life.
- Software and hardware upgrades for optimal processes and new demands.
- Quickly respond to market changes thanks to the modular design of the laser machine.
- Increase efficiency with a variety of optional configuration.

- **AMC**

Owing to our years of industry experiences, we are offering a qualitative **CNC Laser Cutting Machine AMC Service.** This service is carried out by our skilled professionals using the finest quality tools and modern technology. The offered service is performed in an excellent manner within the scheduled time-frame. The provided service is executed as per the variegated requirements of our precious clients. Moreover, we offer this service to our clients at budget-friendly prices.

- **Spare parts and consumables**

Excellent spare parts availability minimizes unplanned downtime and safeguards the high performance of your machine.

- Competent spare parts consultation.
- Sufficient in stock and fast delivery.
- Spare parts and consumables that have been carefully selected and tested by our experts, are optimally suited for your laser system and help to ensure superior production results.

Laser Consumable

Plasma Consumable

Our Manufacturing Facility

Our state of art infrastructural facilities is spread across an area of 3000 square feet. We have installed various modern and sophisticated machines to deliver premium quality product to ensure a faster production process in a flawless manner. We even have warehouse facility at our premises where the stock is safely stored until the final dispatched in a well cleaned atmosphere. Our range of materials is mechanically handled and ensured there is no damage cost to our designs.

Quality Assurance

Quality is the hallmark of our organization as we fabricate and supply the most sophisticated packaging machines. Our Qualitative components are the result of usage of premium raw materials and strict vigilance of our quality auditors. Our quality auditors ensure the procurement of raw materials from the most established vendors they conduct quality checks at regular intervals and looks into the quality parameter from re-sourcing of raw materials till the delivery of our consignments to our clients. Along with our expert quality auditors, our manufacturing unit is housed with latest testing amenities that facilitates us to conduct and maintain stringent quality parameters. We judge the quality of our components on the following parameters:

- Robustness
- Designing
- Operation
- Accuracy
- Corrosion resistance
- Dimension

Fundamental Information

- **Plant Location:** Block No. 19-20, Ichhapore Bus Stop No-2, Adajan Hazira Main Road, Ichhapore, Surat – 394510. Gujarat, INDIA.
- **GSTIN NO:** 24BLGPP5782A1Z5
- **PAN NO:** BLGPP5782A
- **BANK NAME:** Kotak Mahindra Bank
- **ACCOUNT NO:** 8612065127
- **IFSC NO:** KKBK0002854
- **CONTACT NO:** +91 98794 81908 / +91 90204 89453
- **EMAIL:** hhengineering.2018@gmail.com
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