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CNC Laser Cutting & Engraving – Kenya – Laser Cutting in Nairobi, Mombasa, Kisumu, Eldoret, Nakuru, Meru, Malindi, Diani, Kisii

Des

**CNC Laser Cutting** is an award-winning design-led **laser cutting** & **engraving** services company located in Nairobi, Kenya with laser cutting mobile units in Mombasa, Kisumu, Eldoret, Meru, Nakuru, Malindi, Diani and Kisii - **CNC Laser Cutting** provides advanced precision laser cutting services for metal sheets, wood, glass and plastics, **CNC Laser Cutting** provideslaser cutting services for metal sheet processing up to 20 mm thickness. **CNC Laser Cutting** commonly cut carbon steel (Mild Steel) and 316 Stainless Steel for medical, architectural and industrial applications. At **CNC Laser Cutting** our operations team is composed of Engineers with immense experience in digital fabrication

Keywords

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Our laser cutting workshop based in <b>**Nairobi Industrial Area</b>**, houses state-of-the-art Laster cutting machines offering full <b>**CNC machining**, **laser cutting</b>** and other cutting services. With everything under one roof our creative and professional laser cutting team can help with everything from technical information to drawings and vector files. We are a collection of good listeners, creative thinkers, and doers. We help clients bring their ideas to life express their personalities and communicate more successfully. Our work is driven by two beliefs: that <b>**CNC Laser Cutting</b>** benefits from good design and that good design is always memorable, effective and beautifully made. We are experts in Laser cutting and <b>**CNC machining</b>**. Whether it’s a one-off, a large production run, big or small, Lasercut helps brands, companies, and individuals to develop effective point-of-sale solutions, sculptures, signage, prototypes, engraving, design for print, exhibitions, furniture, displays and lots of other stuff too! Please contact our talented team of designers and laser specialists to discuss your requirements and ideas, from a one off to a production run and everything in between, we can’t wait to hear from you. Upload your design on our Get a Quote page or drop us a line

CNC Laser Cutting About Us

**<b>CNC Laser Cutting</b>** Industries is a <b>**leader</b>** in the <b>**distribution</b>** and <b>**transformation</b>** of special <b>**steels</b>** for the Kenya and Tanzania market. <b>**CNC Laser Cutting** **Company</b>** offers customers a wide range of special steels, bronze, brass, copper, nylon, cast iron and aluminum. We also provide specialized services upon customer request. At <b>**CNC Laser Cutting</b>** our goal is to generate oriented sales by our staff members which enables us to meet the clients’ expectations in timely manner. <b>**CNC Laser Cutting</b>** was established in response to a growing engineering product development need in the marketplace, <b>**CNC Laser Cutting</b>** realized that the African startups were constantly in need of a very specialized service. <b>**CNC Laser Cutting</b>** was established primarily to cater to this need as well as pioneering locally designed and manufactured products that can compete with the ones from the western and Asian markets. Our <b>**CNC Laser Cutting</b>** workshops provides laser cutting & engraving services, with affordable prices and Kenya and Tanzania next day delivery, we laser cut & engrave metal, acrylic, fabric, plywood, leather, MDF, latex and many more materials to the highest standard, we laser cut and laser engrave for some of the leading Kenya and Tanzania based creative minds, from concept to production, we have the expertise and state-of-the-art <b>**laser cutting machines</b>** and facilities to bring your ideas to life, whether you need samples, a one-off piece or a large scale production, our team is dedicated to providing our clients with a bespoke and affordable service, with no compromise on quality, we price based on the cost of the material + the set up and cutting engraving time. Cutting time is automatically calculated by importing our clients’ files to our machine software. Our work cuts across design and fabrication of laser cutters and other CNC equipment as well as offering <b>**laser cutting services</b>**. We begin by designing the machines to the set specifications and standards after which we move to fabrication and finally assembly. As artists, we pride ourselves in supporting all of our clients and peers; from contemporary Artists, Kenya and Tanzania -based Fashion Houses, Stylists, Set Designers, Architects, Design Agencies to small makers and anyone in between, we have a quick quoting process and we’re able get back to you within a couple of hours maximum, 7days/week.

CNC Laser Cutting Why us

Our <b>**metal laser cutting service</b>** promises to deliver results of excellent quality, each and every time. If you are looking for a <b>**CNC Laser Cutting** **Company</b>** that offers an outstanding sheet metal laser cutting and fabrication service then you have certainly come to the right place, the technology involved in our set-up means that our sheet metal cutting is not only unbelievably accurate, but is completed at a rapid rate too. For this reason, we are able to offer our competitive <b>**prices for laser cutting services</b>** without compromising on quality – making us one of the leading <b>**CNC laser cutters in Tanzania and Kenya</b>**. The laser cutters we use are some of the fastest industrial lasers on the market. Our fiber lasers are also fitted with full automation material handling facilities. This allows us to carry out all tasks with a maximum part size of 3000mm x 1500mm and up to 20mm thick with minimal human interaction! Whether it’s a one-off part or a very high-volume requirement, we are equipped to offer a speed turn-around. Unlike many of other <b>**CNC Laser Cutting companies</b>** we deburr all parts as standard for a smooth finish (but we do not de-pip the laser start/stop point). For an accurate and energy efficient method to cut metal, <b>**CNC laser cutting</b>** offers one of the best possible solutions. Not only does laser cutting offer a high-level precision to your exact designs and requirements, but the costs saved through its time and energy efficiency are passed onto clients in our services. Here are the answers to some frequently asked questions.

There are many <b>**advantages to laser cutting</b>**, not just for us but also for our clients. Below, we have listed some of the key reasons:

* Our <b>**laser cutting machines</b>** run 24 hours, 7 days a week, because our laser cutter doesn’t need to be manually operated overnight. This means that we are able to accommodate our clients’ needs no matter what the time of day. Furthermore, we are also able to keep our production costs as low as possible by keeping overheads low, With Industry off-site monitoring of our equipment, downtime is kept to a minimum to ensure there are no unexpected delays to your orders.
* Our material handling automation facilities are able to greatly reduce the time it usually takes for changing metal between productions. We don’t need to do any manual changes as the machine does all of the hard work for us.
* Our laser cutters, provide some of the fastest and most accurate <b>**CNC sheet metal cutting</b>** in the business.
* Our “Ventis” machine is one of only a very few in Kenya! It provides the best possible cutting quality of a fiber laser cutter on the market at incredible speeds. Thanks to the unique technology involved, it also uses much less power and assist gasses than almost every other laser on the market.
* We are fully equipped with several press brakes and a fabrication workshop, so we can be a one-stop shop for all your metalworking needs.
* We are ISO9001 certified ensuring that quality is at the very heart of what we do.

**Our Vision**  
To maintain and build upon our excellent industry reputation, remaining proud of our boutique, craftsmanship approach and the fact that we are not and never will be, a conveyor belt, industrial lead business. Continue to be expert makers and the <b>**CNC Laser Cutting</b>** ‘go to’ people when a job is deemed more difficult than standard.

**Our Purpose**  
To collaborate with our clients to ensure their ideas become reality. We see the wood for the trees and will tackle any laser cutting ‘making’ dilemmas head on with passion, enthusiasm and a premium level of craftsmanship.

Powder Coating

Our top-notch powder coating service gives your metal a high-quality, durable finish, allowing for maximized production and simplified environmental compliance, with excellent resistance to scratching, chipping, or abrasion. Powder-coated products are resistant to diminished coating quality as a result of the impact, moisture, chemicals, UV light, and other extreme weather conditions. The process is suitable for countless materials including but not limited to; plastic, glass, metal and MDF and can provide both functional and decorative surface coatings in a wide range of colors, finishes, and textures that are not readily achievable by conventional liquid coating methods. Powder coating can be applied on;

* Indoor/outdoor furniture
* Staircases, balconies & window grills
* Metal cabinets
* Automotive parts
* Gates and doors
* Household appliances
* Signage plates
* Toolboxes
* EquipmentGeneral metals.

CNC Plasma Cutting

Our CNC Plasma cutter uses thermal cutting to melt the metal instead of mechanically cutting it, with limitation to electrically conductive material only. It offers a comparatively cheaper means of cutting medium-thickness cuts with high precision, repeatability, and cutting speed. Our machine can cut metals as thick as 8mm, with consideration of the size of the cut profile and application of the parts. CNC plasma cutting can be applied in the cutting of

* Balcony designs
* Staircase designs
* Building facades
* Wall dividersSignage
* plates/Stencils
* Wall artsLight boxes
* Door designs
* Fence Panels
* Gate design

Oxy-gas Cut CNC

Oxy-gas Cut CNC is a combustion process using oxygen/fuel gas flame. The heating flame brings the material up to its ignition temperature. Then a jet of Oxygen at least 99,5 % pure is blown onto the heated spot. The Oxygen jet oxidizes the metal. The torch is moved and a narrow cutting kerf is created, removing the slag from the kerf. The quality of the cut depends on the surface condition of the material, cut-velocity and thickness.

Shearing and Bending

Shearing is defined as the mechanical cutting of large sheets of metal into smaller pieces of predetermined sizes. A shearing operation that completes an entire perimeter is known as blanking, with the resulting workpiece being called a blank. Bending is defined as the creation of three-dimensional shapes out of two-dimensional stock. There is virtually an unlimited variety of shapes that can be produced in both sheet metal and plate thickness’ by bending.

Wire-Cut EDM CNC

Also known as wire-cut Electric Discharge Machine (EDM) for the purpose of making tools (dies) from hardened steel. The tool electrode in wire EDM is simply a thin single-strand metal wire, usually brass, is fed through the workpiece, submerged in a tank of dielectric fluid, typically deionized water. It is typically used to cut plates as thick as 300mm and to make punches, tools, and dies from hard metals that are difficult to machine with other methods.

Water Jet CNC

Water Jet Cutter CNC is an industrial tool capable of cutting a wide variety of materials using a very high-pressure jet of water, or a mixture of water and an abrasive substance, in this case granite. An important benefit of the water jet is the ability to cut material without interfering with its inherent structure, as there is no heat-affected zone (HAZ). Minimizing the effects of heat allows metals to be cut without harming or changing intrinsic properties. Sharp corners, bevels, pierce holes, and shapes with minimal inner radii are all possible.

## Who does CNC Laser Cutting cater for?

**<b>CNC Laser Cutting</b>** cater for all trades from hotels and lodges to beach resorts and private villas to homes. Each with their own individual custom laser cutting requirements: architectural trade, camera departments, exhibition designers, event organizers, graphic designers, jewelers and fashion trade, model makers, production designers in film and TV, prop makers, prototyping, retail window display companies, wedding organizers and many more.

## How does Laser Cutting Work?

Our Laser cutting machine works by firing a high power Co2 laser that cuts by melting, burning or vaporizing the material. An extremely fine level of cutting detail can be achieved with a wide variety of materials and with various textiles such as acrylic, foam, leather, wood and more. We can replicate company logos and artworks into cutting or engraving formats. Laser cutting systems can manufacture components directly from CAD drawings faster than any other process. The laser cutter is very flexible and works from numerous file formats such as AI, EPS and PDF.

## Laser Cutting Capabilities

Our high-speed laser cutting machine is fitted with a 100-watt tube, which allows us to cut soft and hard materials to the highest quality and precision. It can cut through most materials achieving infinitely complex cuts and engravings. The applications of laser cutting technology are endless.

## Other features of CNC Laser Cutting

Our new laser cutting machine is a Universal Laser system which has an impressive workable bed size and. Our Universal Laser is a super-speed system, of which there is only a handful in the Kenya. It uses laser beams which enables it to carry out any engraving task in half the normal time. A unique feature of our laser cutting systems is the ability to control the power of the laser by speed and temperature. This allows us to score and etch onto the surface for detailed work to a correct depth of cut.

## Drawing service

We also offer a **drawing service** for those of you who do not possess a vector drawing file or require an image building in CAD for laser cutting and engraving, contact us with your requirements.

## We offer four levels of laser cutting services:

1-hour service \*  
Same day service\*  
Next day First Class postal service\*  
4-5 days for Die cutting  
\*Subject to your location

## Getting your items to our Workshop

When sending us your enquiry for laser cutting services, please mention the material and thickness for cutting. If you require just sheets then include the sheet sizes if you can. Send us the details of your project and we will aim to respond with a quote within two hours.

## Corporate iPad Engraving

Corporate orders are very popular and iPad/tablet engraving is a common addition for both security and corporate Identity. Engraved iPads also make popular corporate gifts. We’ll laser engrave your business name or logo onto your company’s iPads or other brand of tablet for impressive and unique branding.

What is CNC Laser Cutting

Laser cutting is a versatile non-contact process to accurately cut a diverse range of materials using an intense beam of light. It has a huge advantage over more traditional methods because of its speed, accuracy and precision. The laser cutting method gives the option to switch quickly between multiple applications and set-ups, saving time and the need to run multiple machines.

The three main types of laser cutting are CO2, YAG and Fiber. Our series of laser cutting machines all use the CO2 method, which is ideally suited for cutting and engraving plastics, card, wood, leather and fabrics. Our five machines vary in size giving us the capability of engraving and cutting thick materials over large surface areas to intricate detailing work over very small areas. Through years of working and experimenting with different materials, our London laser cutting technicians have come to truly understand these state-of-the-art machines and how each one has its own strengths. By working across so many different industries there is a natural cross-pollination of ideas, skills and to a certain extent trade secrets. This acquired knowledge gives our highly trained laser cutting operators the ability to offer specialist consultation. The combinations are endless, which is where our knowledge and expertise comes in. We can recommend which laser cutting machine to use depending on your project needs. As laser cutting experts, we will work closely with you considering your project and advising on how to achieve the best possible results, however bespoke or challenging.

Images

<https://www.kensmetal.co.ke/cutting-facilities.html>

<https://lasercuttinghut.co.ke/projects/>

<https://iendtechshop.co.ke/>