



الشروق للصناعات ذ م م
AL SHUROOQ INDUSTRIES LLC



ISO 9001:2015



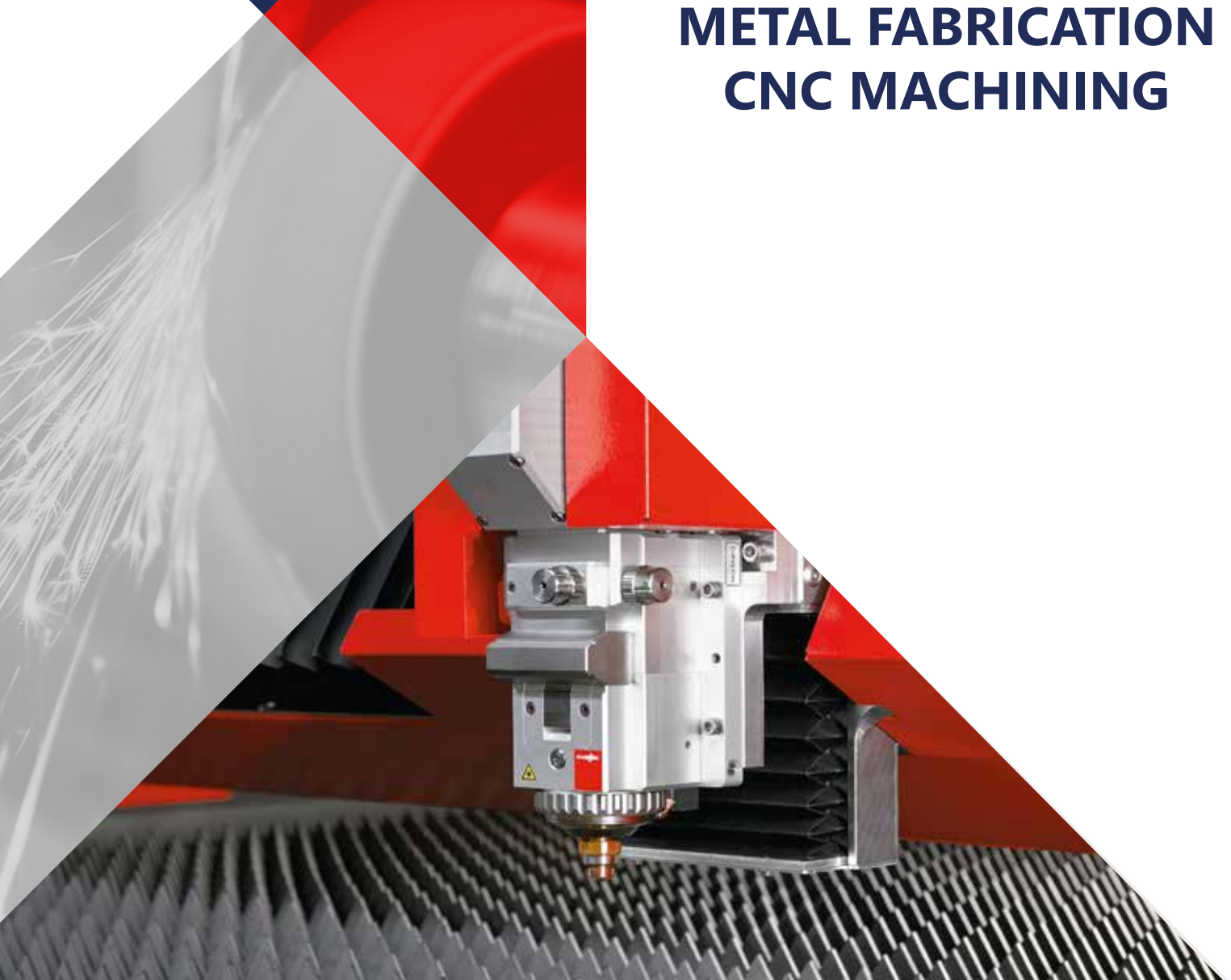
ISO 14001:2015



ISO 45001:2018

www.alshurooq.ae

JOB PROCESSING CENTRE
CONTRACT MANUFACTURING
METAL FABRICATION
CNC MACHINING



About us

Al Shurooq Industries L.L.C. is an ISO 9001:2015, ISO 14001:2015 and ISO 18001:2018 certified company, in the field of Steel Fabrication and Machining with capability and resources to provide quality solutions to the customers in the various field of Power Generation, Oil & Gas, Steel Construction & General Mechanical Industries.

We started our operation in the Emirate of Dubai, UAE in the year 1996 as a small industry and has gradually developed itself into a fabricator of choice due to its focus on providing quality solution to its customers. Experience, Expertise, Comprehensive resources and un-compromising commitment to best quality yearned it an indelible position in a market of Steel Fabrication & Machining related activities.

During the year 2014, we have moved to a new state of the art and purpose built factory in Dubai Industrial City, a designated district within the new Dubai Wholesale City, one of the largest industrial hubs in Dubai. Dubai Industrial City is known for its superior infrastructure and logistical solution coupled with its easy access to the various port infrastructure.

Our endeavours are effectively backed up with sound infrastructure which includes a dedicated team of Engineering Personnel, devoted groups of skilled and experienced work force, a well equipped Fabrication and Machine Shop with almost all type of latest and most advanced CNC machines.

Its products includes but not limited to Power Transformer Tanks & Components, Metal Enclosures, Liquid Storage Tanks, Steel Structures, Industrial Sheds, Bakery and Custom Built Food Processing Machines & Equipment's etc.

It is positioning itself as a number one choice as a job processing centre in the emirates of Dubai using its various CNC machines such as Laser Cutting, Water Jet Cutting, Tubes & Pipes Processing machines, Plasma Cutting, Oxy-Fuel Cutting, Turret Punching, CNC Bending, Robotic Welding, CNC Machining, 5 Axis Machining, CNC CMM etc..

We are well equipped to cater to the various surface finishing requirements of its customers such as Shot Blasting, Grit Blasting, Liquid Painting, Powder Coating etc. which make it as a single job shop that can complete any type of jobs with quality and within time.

Our design department is equipped with latest CAD, CAM and Simulations software which enables us to process all the requirements of its customers with utmost precision and in a time bound manner.

Precision, Quality & Reliability

Mission

To provide Design, Engineering and Manufacturing support to the various customers in the field of Power Generation, Oil & Gas, Steel Construction and Food Processing Industries with high quality steel fabricated and machined components.

To provide innovative technical solutions that meets and exceeds customer expectations.

To establish long term partnership with our customers and employees to bring continuous growth and improvements in the production process.



Vision

To be the number one Job Processing Centre and Contract Manufacturer for Fabrication & Machining Jobs that can supply products with top most quality and precision

Certification

ISO 9001:2015

Quality Management System

ISO 14001:2015

Environmental Management System

ISO 45001:2018

Occupational Health & Safety Management System

"When you need Flexibility, Quality & Quick turnaround, look no further because we got it figured out"



Metal Fabrication

TRANSFORMER TANK & COMPONENTS



We are one of the leading manufacturers of Transformer tanks and related components in UAE. We manufacture all type of Tanks for the Distribution, Cast Resin and Power Transformers. All the tanks and components are shot blasted according to the surface quality Sa 2.5 and painted according to ISO 12944-5:2007 standards.

METAL ENCLOSURES



We Manufacture all type of Electrical Enclosures, LV Switchgear panels, Package substations, Stainless Steel & Aluminium enclosures, Control Cubicles, Distribution Boards, and other Sheet metal fabrication components. With state of the art latest CNC machineries, we are able to Manufacture Fire cabinets, Fire Hose Reel Cabinets, Fire Extinguisher Cabinets, Fire Hose Cabinets, Control Panel etc. as per the client requirement.

INDUSTRIAL PRODUCTS



We fabricate all types of industrial products according to the customer needs such as End. Carriages, Gantry Frames, Storage Tanks, Cold Water Tanks, etc. to cater to the various industries according to the customer specification and industrial standards.

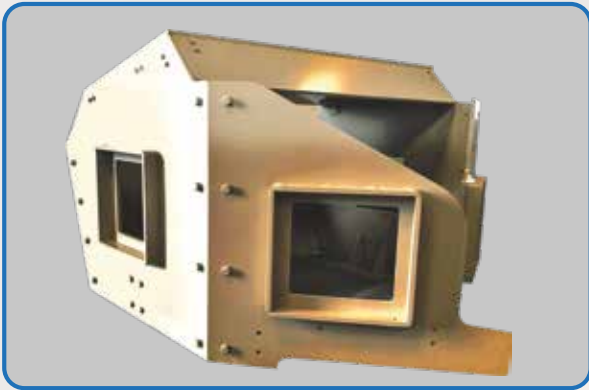
STEEL STRUCTURES



We have all the equipment and necessary expertise to fabricate all type of Light to Heavy structures according to the various industry specifications. We are specialised in the fabrication of Hot Rolled Steel structures for various applications such as Factory Buildings, Showrooms, Industrial Hangars, Mezzanine structures etc.

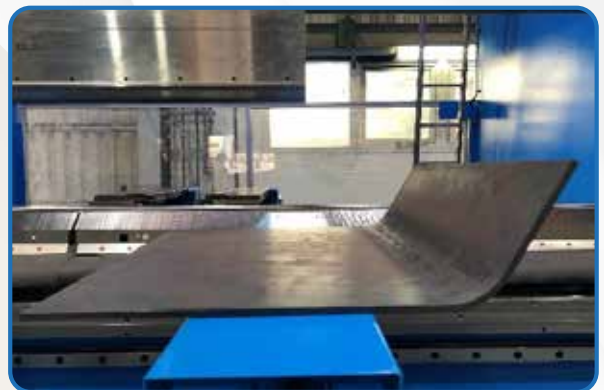
Vehicle Armoring

COMPONENTS FOR ARMORED CARRIERS :



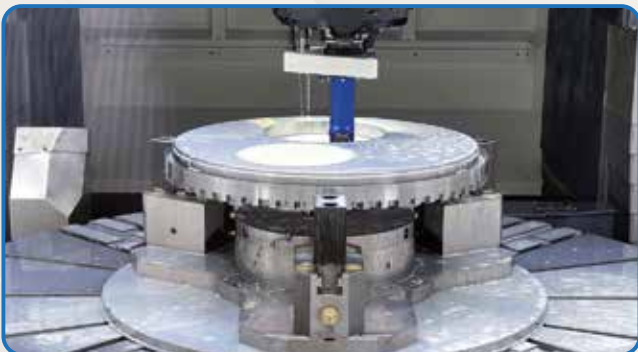
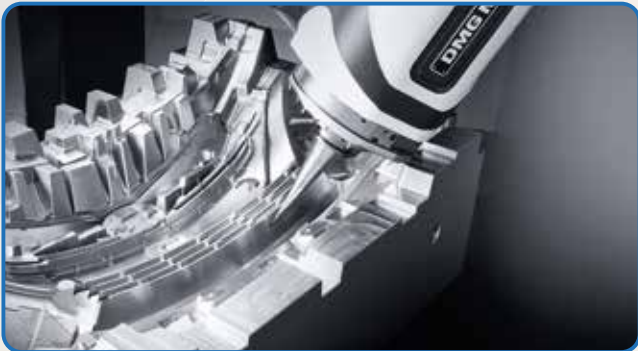
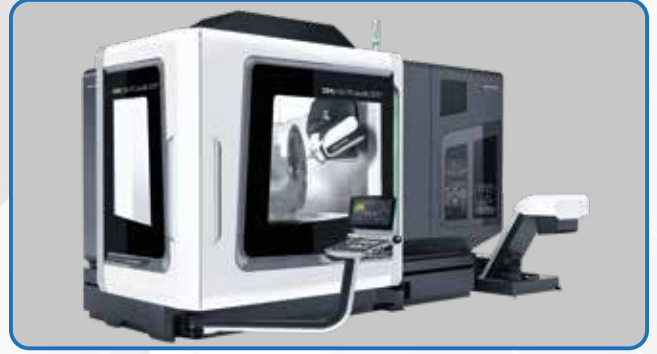
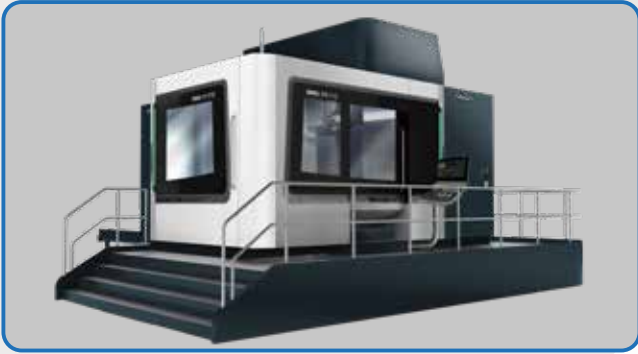
Al Shurooq Industries LLC is well known for its quality and technical support in the field of vehicle integration jobs in UAE. We are equipped to produce all kind of precision fabricated and machined components in good quality and can supply the parts with short turnaround time. The new 5 Axis Mill Turn Machine that we have installed recently enable us to make turret bearing of sizes up to 2100 mm diameter according to the customer requirement. We are conversant with all grades of ballistic and blast protection steel along with Wear Resistant & High Strength Steels.

ARMORING RELATED JOBS :



We are specialized in the processing of Armor Steels of various grades and sizes to make Armor parts kit as per customer specification. We will be able to process sheet sizes up to 2.5 m x 6.2 m with bevel cutting features with Water Jet Cutting Machine that does not change the ballistic properties of the material. Press braking of parts up to 8 m is possible with our CNC controlled Press Brake. Moreover, we can supply the components in painted or powder coated finish with complete part marking as per relevant MIL standards.

CNC 5 Axis Machining

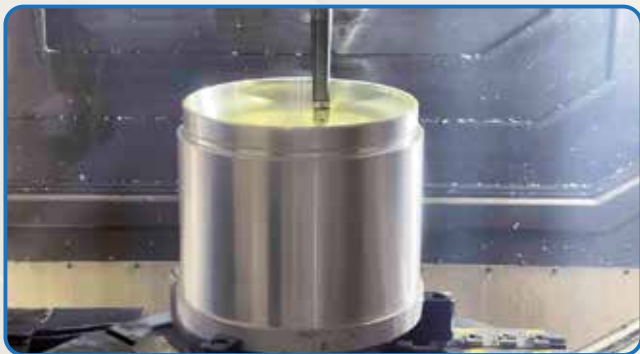


Al Shurooq Industries has a State of the Art CNC machine shop that can produce parts with precision, quality and short delivery time. The latest addition of the most advanced 5 Axis Mill Turn machines along with the existing 5 Axis Turn Mill centers, turning centers and Vertical Machining centers have greatly increased our capacity and capability to handle any type of complex and precise components required for the various industries. Apart from the above

CNC machines, type of conventional machines which enable us to cater the general manufacturing and fabrication industries as well.

We are capable to machine intricate & complicated profiles to precision specification. We have in house expertise to manufacture Special Tool Holder, Precision Jigs & Fixture as well.

Machined Components



Maximum Part Size - Cylindrical 2,100 mm x 1250 mm

Maximum Part Size - Rectangular 2,500 mm x 1,200 mm x 1,000 mm

Maximum Part Weight 5,000 kg

Technological Features Vertical & Horizontal Turning / 5 Axis Simultaneous Milling / Interpolation
Turning / Eccentric Machining / Polygon Machining / Gear Hobbing / Gear Skiving / Broaching / Y-Axis
Parting / Cylindrical Grinding / Surface Grinding / Multi Task Machining / Mill-Turn / Turn Mill etc.

CNC LASER CUTTING



Laser cutting is a technology that uses a laser beam to cut materials, and is typically used for industrial manufacturing applications. Laser cutting works by directing the output of a high-power laser most commonly through optics. We are one of the leading job shop in the Emirate of Dubai offering round the clock CNC Laser cutting services to customers from a variety of sectors, offering high quality Laser cut parts. We can process the sheet up to 2.5 m wide and 6.2 m long and can cut up to 30 mm thick material. We have 3 Laser cutting machines doing job round the clock. The different material that can be processed includes Mild Steel, Stainless Steels, Aluminium, Brass, Copper etc.

CNC TUBE PROCESSING



One of the advantage offered by Al Shurooq is our ability to process tubes and pipes by both Laser and Water Jet cutting method. Processing of pipes and tubes by CNC Laser or Water Jet machine eliminates the need for hand grinding, machining etc. which will make the processing more cost effective and efficient. Laser rotary can handle round pipes from 120 mm diameter to 300 mm diameter and square profile from 40 mm to 210 mm with parts weighing up to 50 kg. Water Jet rotary can handle round pipes up to 600 mm diameter with parts weighing up to 100 kg.

WATER JET CUTTING



Water Jet cutting machine, 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. Water Jet cutting is often used during fabrication of machine parts and to manufacture intricate components. It is the preferred method when the materials being cut are sensitive to the high temperatures generated by other methods. Water Jet cutting is used in various industries, including Aerospace, Mining, Offshore and Defence for cutting, shaping, and reaming applications. We have a highly advanced water jet cutting machine which can process up to 2 m wide and 6 m long plate and can offer 5 Axis Bevel Cutting features which is highly useful to prepare bevelled parts or for weld preparation requirement which eliminate the need for any secondary machining.

CNC PLASMA CUTTING & BEVELLING



CNC Plasma cutting is a process to cut electrically conductive materials by a jet of hot plasma. It can be used to cut Steel, Stainless Steel, Aluminium, brass and copper etc. Due to the high speed and precision cuts combined with low cost compared to Laser and Water Jet cutting machines, plasma cutting sees widespread use from small job shop to Heavy fabrication application such as industrial construction, shipyards, automotive repair etc. We have capacity to handle plates measuring up to 3 m wide and 8 m long.

CNC OXY - FUEL CUTTING & PLATE PROCESSING



In Oxy-Fuel Cutting, a torch is used to heat metal that uses a combination of fuel gas and oxygen. The most commonly used gas is acetylene. Oxy-Fuel cutting involves heating the metal to its ignition temperature. At this point, a stream of oxygen is directed onto the metal, in turn burning it into a metal oxide which will flow out and away from the material being cut. We have capacity to handle plates measuring up to 3 m wide and 8 m long with technology options of Drilling, Tapping, Milling and Part Marking etc.

CNC BENDING



CNC Bending is a manufacturing process that is carried out by a CNC press brake. In a press brake, the top beam is called ram is fitted with punch and the bottom beam is clamped with a die usually of "V" shape. The size and shape of the punch and die depends on the type of material, thickness of sheets or plates that need to be bend and the geometry of the part involved. The size of the bottom V opening dimension determines the capacity of the press brake required and "V" opening in turn is determined by the thickness of the material that is being processed. We have both Servo Electric & Hydraulic type press brake with CNC controlled back gauges that helps in producing parts with tight tolerance and precise shapes and is capable to handle parts that are up to 8 m long and those require a punch force of upto 800 Ton.

CNC TURRET PUNCHING



Turret Punching is a form of metal processing by punching operation of the sheet material. This process is well suited for mass production of typical sheet components. It is also very fast and economical compared to Laser or Water Jet Cutting method but the initial tooling cost is relatively high. We have capacity to handle sheets measuring up to 3 m long and 1.5 m wide with a punching capacity up to 23 Ton.

CNC MACHINING



CNC Machining is a process used in the manufacturing industries to make precision components by a computer controlled machine tools. The machine tools that can be controlled in this manner includes, lathes, mills, grinders and routers etc. A computer program controls all features like feed rate, cutting speed, location and coordination of the movement. CNC machining is widely used to manufacture both metals and plastic parts. CNC machining is more precise and can be repeated for complex 3 dimensional shapes that will be almost impossible to achieve by manual machining. We are equipped with both CNC lathe with automatic bar feeding unit and CNC milling with automatic tool changer & tool pre-setter that will be able to handle all type of complex machined components for the manufacturing industries.

5 - AXIS CNC MACHINING



5 Axis CNC Machining involves using a CNC control unit to move a job or a cutting tool along 5 different axis simultaneously. This helps in machining the most complex parts required for the Oil Field Industries. Al Shurooq Industries is uniquely positioned in the market that can offer both 5 Axis Mill Turn and 5 Axis Turn Mill to make any type of complex and precision components both as a contract manufacturer or as a job processing centre. We can handle parts up to 2100 mm in diameter and 1.25 m long weighing up to 5 ton.

CAD /CAM & SIMULATION SERVICES



Computer Aided Design (CAD) software is used by Engineers, Drafters, Architects etc. to create precision drawings or technical layouts which can prepare them in both 2 Dimensional and 3 dimensional formats. Al Shurooq Industries LLC has invested in latest CAD and CAM software that helps in the manufacturing of increasingly complex fabricated and machined components. The bending simulation software that we employ helps us to drastically reduce the machine down time & programming time.

CMM MEASURING SERVICES



A coordinate measuring machine is a device that measures the geometry of physical objects by sensing discrete points on the surface of the object with a probe. We have possibility to measure parts up to 2.0 x 1.2 x 1.0 m size which greatly helps us in measuring complicated and otherwise difficult to measure part geometry.

ULTRASONIC CLEANING SERVICES



Ultrasonic cleaning is a process that uses ultrasound to agitate a fluid. Ultrasonic cleaners are used to clean many different types of objects, such as tools, car fuel injectors & industrial machine parts. We are capable to handle parts up to 1.15 x 0.5 x 0.45 m overall size weighing up to 350 kg.

LASER MARKING / PART MARKING



Laser engraving or marking is the practice of using lasers to engrave an object. We are able to do marking on both 2D & 3D surfaces with or without color as per the requirement.

ROBOTIC WELDING



Robotic welding is the use of programmable and mechanized robots which completely automate the welding process by both performing the weld and handling the part. Robotic welding is commonly used for resistance spot welding and arc welding in high production applications, such as in the automotive industry. The Robotic Welding cell helps us to do the automatic welding of repeated components with more reliability, quality and productivity.

SHOT BLASTING



Shot Blasting is a method used to clean or polish the metal. Shot blasting is used in almost every industry that uses metal including aerospace, automotive, construction, ship building, foundry etc. The wheel blasting method employed by us directly converts electric motor energy into kinetic abrasive energy by rotating a turbine wheel resulting in a cleaner and uniform removal of any mill scale, rust or other surface contamination. We use steel shots as the blasting media for the above operation. The Automatic shot blasting machine installed by us is a hook type and can handle a part with a maximum diameter of 1200 mm with a height of 1500 mm weighing up to 1000 kg.

WET PAINTING



Liquid painting is a process of applying different type of paint by using a spray gun or by dipping or flooding process. Liquid paint can be applied to any type of surfaces and does not require the use of heat to achieve curing. Liquid painting is very common when dealing with smaller, short run quantities that can be done in batches. Disposable paint arresting filters are used to collect the over sprayed paint. These filters, after getting choked, can be removed and disposed off as per the environment norms. The paint booth installed by us can process large parts up to 8 m long and 6 m wide and is fitted with a fresh air delivery system and a baking facility which will increase the rate of curing of the paint.

GRIT BLASTING



Grit Blasting is a method by which abrasive particles are made to impact on a component to clean or modify its surface properties. It is often used to clean or prepare the surfaces before welding and afterwards to improve the adhesion of the coatings such as painting or galvanizing. Grit blasting is used in almost every industry that uses metal including aerospace, automotive, construction, ship building, foundry etc. The blast room employed by us can handle large parts up to 8 m long and 6 m wide and is fitted with filtering & automatic recycling of blasting media and automatic dust collection system.

POWDER COATING



Powder Coating is a dry finishing process that provides high quality, durable finish allowing for maximum production. Powder Coating greatly improve the process efficiency and simplifies the environmental compliance. This application method uses a spray gun, which applies an electrostatic charge to the powder particles, which are then attracted to the grounded part. After application of the powder coating, the parts enter a curing oven where, with the addition of heat, the coating chemically reacts to produce a more durable finish and coating. We are able to powder coat parts as large as 1800 mm height, 1000 mm wide and 3500 mm long.



Contact Us

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