



الصحراء
AL-SAHRAA



**METAL
INDUSTRIES**



Thankful Words

Al-Sahraa for Metal Industries was established for the purpose of working along with its clients to solve their problems, share their ambitions and achieve their goals.

We pride ourselves in utilizing the latest technology and employing the top personnel to provide a wide range of high end products in a timely manner. Our engineers and innovative personnel offer solutions that improve and increase the manufacturing output.

The Management Team of Al-Sahraa would like to thank all its clients for placing their trust and visions in our company. We promise we will always aim at providing the best services and support to our clients in order to establish and maintain an enduring relationship with them.

Al-Sahraa's management team would like to express its great appreciation for the hard working employees of the factory who are fully committed to serving our customers with quality and proficient delivery.

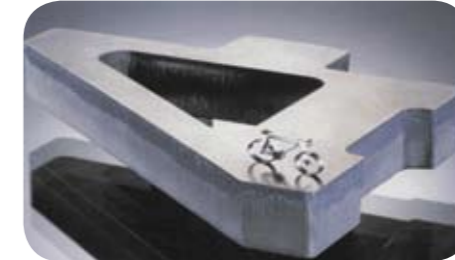
Our main objective will continue to be building and strengthening the industrial development wheel in the United Arab Emirates and the Gulf region.

We are dedicated to our customers' commitments.

Management

Sales Services

- Competitive Pricing
- Free Estimates
- On-time Delivery
- Quantity Discounts
- Emergency Services
- Free Local Delivery



Al-Sahraa has large-capacity machines that are loaded to perform complex and specialized tasks. These machines include CNC Laser Cutting, Punching and Bending. This gives Al-Sahraa the capability to manage a wide selection of materials and design specifications, for small and large projects. We are able to accommodate an extensive range of various products and services from prototypes to high volumes of materials and processes ranging from stainless steel industrial components to decorative designs, advertising industries and furniture production.

Engineering Services

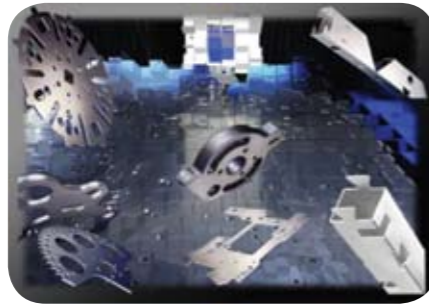
- Product Evaluation & Calculation
- CAD/CAM Product Design
- Reverse Engineering
- Material Selection

Prototype Development

The ease of programming combined with no need for hard tooling, makes CNC machines operating an economical process for prototype development. Short runs are very cost competitive and offer excellent part quality. No hard tooling allows immediate implementation of design modifications. Quality is excellent with clean, burr-free cut edges, very narrow curves and low heat affected zones.



FACTORY MACHINES



The CNC accuracy of our equipments allows for components to be produced to machine grade accuracy. Many customers have been able to reduce costs substantially through the elimination of milling, turning or other costly machining operations using laser cut materials. CNC laser cutting systems, by comparison, is fast and more cost effective. Al-Sahraa employs the latest technology software that enhances programmability for lower cost and faster turnover. It permits quicker layout, easier to program and uses sheet material more efficiently for less waste through nesting and other efficient programming techniques.

CNC 2D Laser Cutting

TRUMPF LASER SPECIFICATIONS

Material	Thickness Ranges
Mild Steel	0.2mm Up To 20mm
Stainless Steel	0.2mm Up To 15mm
Aluminum	0.2mm Up To 10mm

Precision	
Position Deviation	± 0.1mm
Repeatability	± .03mm
Smallest programmable travel quantity	± .01mm

Laser Power	4000 W
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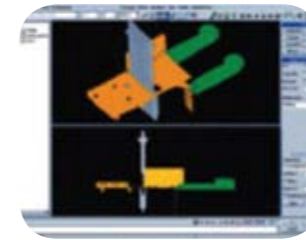
Working Range	3M X 1.5 M
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CNC Press Brake

TRUMPF BENDING SPECIFICATIONS

Press Force	1700 KN
Bending Length	4080mm
Open Height	535mm
Gauge area	860mm



CNC Punching Machine

TRUMPF TRUMATIC SPECs Punching, Nibbling, Forming

Max. Sheet thickness	7.0 mm
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Max. Punch Diameter	76mm
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Precision	
Position Deviation	± 0.1mm
Repeatability	± .03mm
Smallest programmable travel quantity	± .01mm

Max. Punching Force	180KN
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Working Range	2540 mm X 1270 mm
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Fabrication and Post-Machining Services

Al-Sahraa is a full-service fabrication factory providing all post-fabrication services. We offer a complete turnkey solution for your projects and we provide quick setups and low tooling costs, making fabrication of prototype projects and low-volume runs feasible and cost-effective. We offer a full range of metal forming with all standard welding processes on mild steel, stainless steel and aluminum. We also perform post-machining processes such as grinding through our full-service machine facility. Finishing includes vibratory finishing as well as paint or plating with final assembly of the product. To assure complete customer satisfaction, products undergo various test and approval procedures throughout the production process.

Al-Sahraa is equipped to create designs from scratch and is prepared to accept all designs provided. This is made possible by the extensive abilities of our machines to perform on any product with the minimum subparts and welding points.

The latest software will allow us to minimize material cost by reducing material wastage and scraps. The CNC controller provides us with flat calculations, hence allowing our clients to avoid calculating the flat sizes themselves. Our well educated and well trained team is ready to support you with our advice in achieving symmetry in your designs.

We have built a reputation for quality competitiveness and excellent manufacturing lead times. In addition, we are able to manage your stock and control our delivery service to ensure we are always meeting deadlines.



At Al-Sahraa, we are able to offer facilities and expertise to deliver services that has gained the trust and acclaim of many leading companies. Also we are able to offer our premier service from our modern premises to apply quality fabrication to a wide range of materials in any design form.

Our experience in this field gives us the confidence and basis to aim for and complete challenging projects flawlessly.

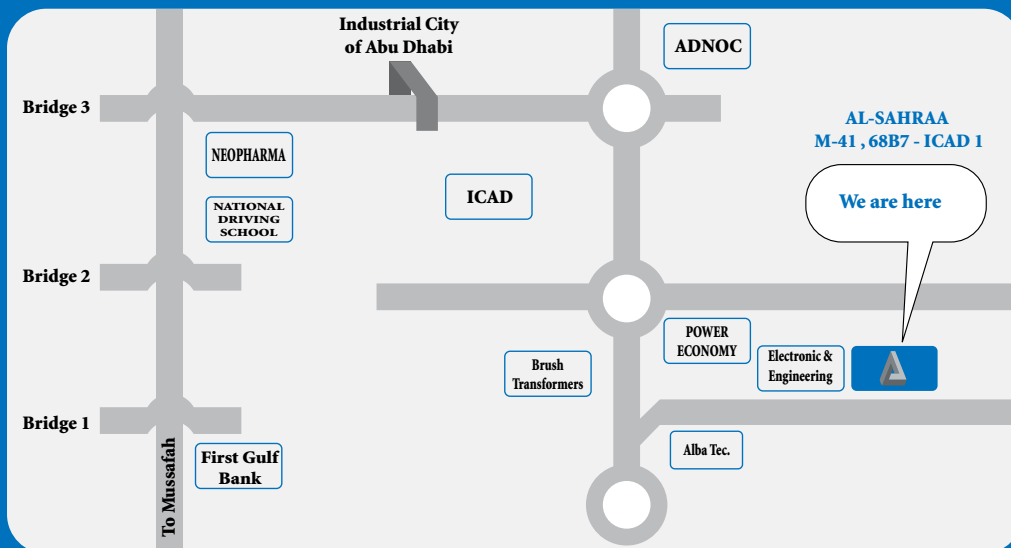


Al-Sahraa prides its self on being "The Metal Specialists" with special attention to the sheet metal industry and the fabrication field. We utilize a variety of high precision CNC machines along with a wide selection of materials in stock to be able to respond immediately to our clients with minimized turnaround time. We offer free estimates with minimal or no setup charges where applicable.

Al-Sahraa is your single source for value added machining and fabrication services for complete turnkey operations. We provide complete job shopping services, specializing in prototype development from small to large run production work.



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