COMPANY PROFILE

Sri Ayyappa Lasers Pvt. Ltd. We offers precision and productive laser cutting resources that delivers high quality products. We are committed to providing world class customer service and solutions in the field of fully integrated metal work and precision sheet metal fabrication.

Our highly skilled workforces have over 20 years' experience in metal fabrication. With on-site facilities for TIG and MIG welding in Mild steel, Stainless steel & GI, we are able to offer a comprehensive service to all our customers.

Working with leading engineering industries, Project developers & professional institutions as diverse as automotive, power plant, earth moving, telecommunications, Agricultural and general engineering, compressor manufactures, Ref and AC manufacturers, Genset manufacturers, food processing industries, Rice/Flour mill machineries, Rack manufacturers, railways, textile machineries, printing equipment, civil constructions, elevators and conveyor manufacturers has given us unrivalled experience in producing product to the very highest standard. When we promise a delivery we deliver on time, sourcing our products and materials carefully enabling competitive pricing whilst sharing the benefit with our customers.

Investment in the latest technology benefits our customers through Quality, Facilities, Cost and Delivery. It is the investment that has kept Sri Ayyappa Lasers Pvt Ltd at the forefront of precision metal fabricators.

Clients get benefit of dedicated support teams who seek to fully understand their products and requirements to optimize delivery of fabricated materials that are flexible and cost effective. If you would like to arrange a visit to look around our Factory or you would like to speak to our team to discuss your Project requirements, please do so.

DESIGN & PROTOTYPING

Our clients provide us either 3D design of product or 2D drawings of products. In either case design & prototype is involved. We processed through software to convert the 3D product in flat development for laser cutting. The Design of complex bending parts poses a challenge to every designer. The 2D drawings of the product also involve development of the flat view by providing for standard bend allowances. We have expert design department which works in close association with the engineering department of customers for critical Dimensional requirements and complex product parameters. We provide design and prototype services in CNC Bending to ensure reliable Precision of fabrications/assemblies depends on the jigs and fixtures used to manufacture them.

GENERAL

- We have work space area of 30,000 Sqft.
- We have (Genset 125 KVA & 62.5) KVA Power Capacity with Standby Power .

Laser Cutting LCG3015 & LCG 3015AJ2





Sheet Metal Laser Cutting is a much more efficient process than mechanical tooling and acid because it costs less and is much more accurate. The laser performs the clip by melting, flaming, or vaporizing away the material and giving out away a stomach-pining, tidy edge. Materials that can be processed by laser bitter totaling occurring paper and paper board, adhesive tapes, plastics, films, textiles, abrasives, metals, and photovoltaic.

We have state of the **art CNC laser machine of Amada LCG 3015** & **CNC Fiber laser machine of Amada LCG 3015AJ2** made in Japan. It can laser clip Sheet metal of changing thicknesses and sizes. Our skillful team of programmers and operators at each manufacturing location are geared taking place for realization of obscure component laser bitter. With input as a drawings or a finished sample part provided by customer. We manage to pay for excellent prickly vibes and high precious laser rangy jobs. A broad range of machinery allows us to economically fabricate unexpected prototypes for you to exam prior to series production and well happily acknowledge you to press to the lead and press on your products.

Maximum Cutting Capacity for LCG 3015

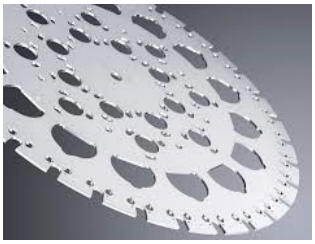
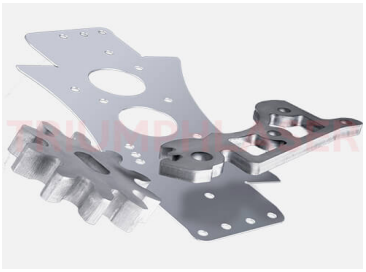
- Mild Steel 16mm thick
- Stainless Steel 8mm thick
- Aluminum 6mm thick
- Galvanised iron 6mm thick

Maximum Cutting Capacity for LCG 3015 AJ2

Mild Steel 20 mm thick
Stainless Steel 15 mm thick
Aluminum 12 mm thick
Brass 8 mm thick
Galvanised iron 6mm thick
Copper
Titanium

Lasercut Samples of LCG 3015 & LCG 3015 AJ2






Amada CNC Turret Punch Press model AE2510NT

with 45 station (4 AI) turret and standard accessories



CNC Turret Punch Press – AMADA AE 2510 NT

AMADA AE 2510 NT – High-Speed CNC Turret Punch Press

CNC Turret Punch Press is an efficient and highly accurate sheet-metal processing technology used for punching, forming, embossing, louvering, slotting, marking and various other sheet-metal operations. It provides excellent repeatability, high productivity and economical production of both prototype and mass-production components.

Sri Ayyappa Lasers Pvt Ltd is equipped with an AMADA AE 2510 NT CNC Turret Punch Press, manufactured by AMADA, Japan, one of the world's leading manufacturers of sheet-metal processing machinery.

The AE 2510 NT incorporates a high-rigidity bridge-frame construction and single AC servo-drive technology, providing stable, high-speed and high-quality punching performance. The machine is particularly suitable for precision sheet-metal components requiring multiple punching and forming operations.

With CNC-controlled X, Y, C and T axes, the machine can perform complex punching patterns with excellent positional accuracy. Its large turret capacity also allows a wide variety of standard and special-purpose tools to be used during production.

Major Applications

*** Punching & Nibbling**

*** Louvers**

*** Embossing**

*** Extrusions / Burring**

*** Bridge Forms**

*** Card Guides**

*** Countersinks**

*** Hinge Forms**

*** Wheel Forms**

*** Marking**

*** Slotting**

*** Knock-outs**

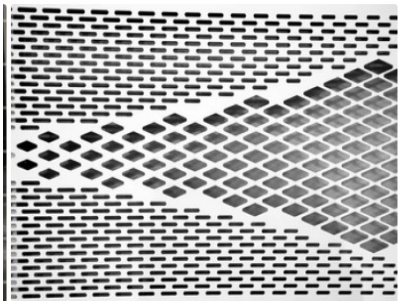
*** Tapping**

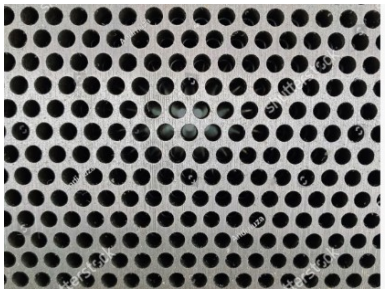
*** Forming operations**

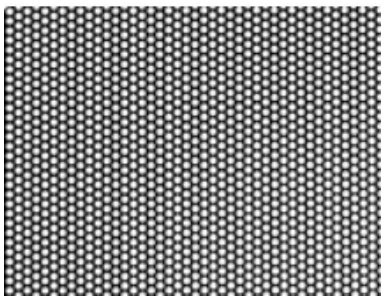
*** Various special sheet-metal profiles**

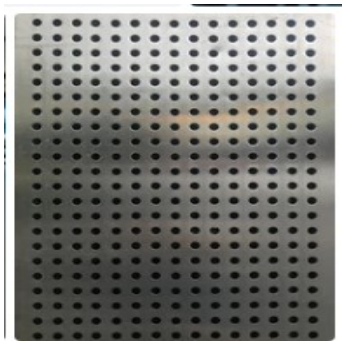
Samples











S.F. No. 103/2, SCHOOL STREET,
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info@sriayyappalasers.com
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Bending Machine HM 1003 & Bending Machine Bybend Smart 225/3100 & HRB 5020





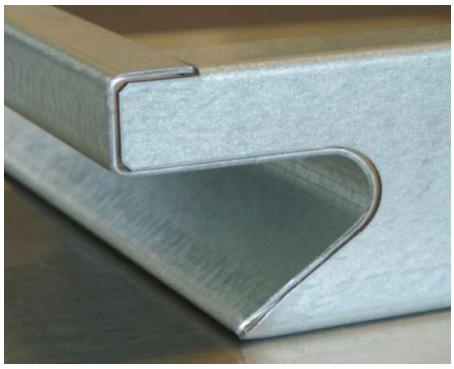


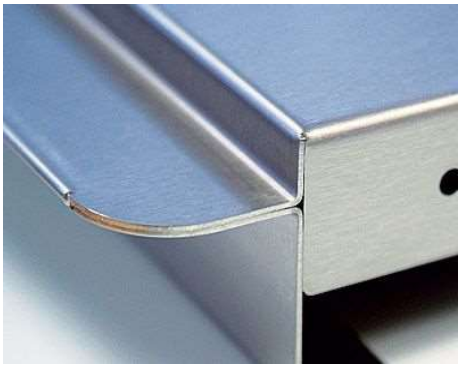
Computer Numerical Control (CNC) These machines fabricate high environment bent tubes that can be used for various classified applications employed in the automotive, chemical, and furniture industries, as ably as for ship building, railways, construction and new same industries. It is a highly automated and efficient in terms of precise bending. It allows high dimensional accuracy and design flexibility.

Our Expert team of CNC Press brake operators and program always take care of quality and material, We have high productivity results with table speed of 1.3 times and back gauge speed 3 times. However, we use up to date software's with easy programming, direct angle mode, new Bend deduction calculation, and note functions. Our CNC bending machine has wider functions in terms of height tool, supporter, etc. It also stimulates the bending process detecting collusion. This results in lower rejection, in turn economic manufacturing at faster speed resulting in quick deliveries.

Our manufacturing plants have capacity for HM 1003 100 Tons Ram and length of 3 meter. & Bending Machine Bybend Smart 225/3100 capacity for 2250 tons and Bending length of 3100 mm We can offer Bending up to 10 mm thickness for mild steel and 6 mm thickness for stainless steel. The knowledge and experience of bending operators that helps guarantee part accuracy and efficiency, knowing this well we provide the training necessary to give that expertise to the operators in the first place and time to time we organize training sessions within workshop to update the operators about new.

Bending samples:

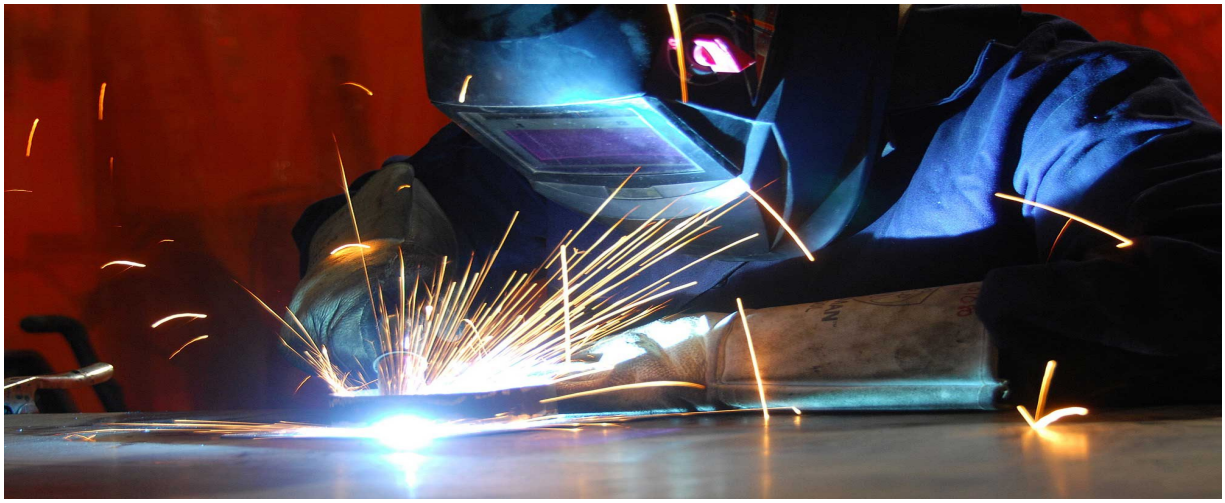








Fabrication:-



SHEET METAL FABRICATION

Sheet Metal Fabrication refers to the bending and shaping processes of sheet metal techniques. It can be sealed all sorts of obscure hollow shapes and sections, and the equipment used for these processes, range from easy hand tools, to higher gift-operated automatic machinery.

WELDING

We have wide range of welding equipment's of reputed brands like Fronius, Lorch and L&T. Highly skilled team has the capability to translate your design into a precision finished product. We apply a wide range of high-tech and conventional fabrication skills to the cost effective manufacture of many products.

Complex structures are assembled and produced in our fabrication department and we are able to supply complete bolted or welded assemblies. Mig, Tig and Arc welding on stainless steel and mild steel allows us to offer competitive prices and fast turnaround for both custom items and series production.

MIG WELDING MACHINE **TIG WELDING MECHINE** **SPOT WELDING MACHINE**





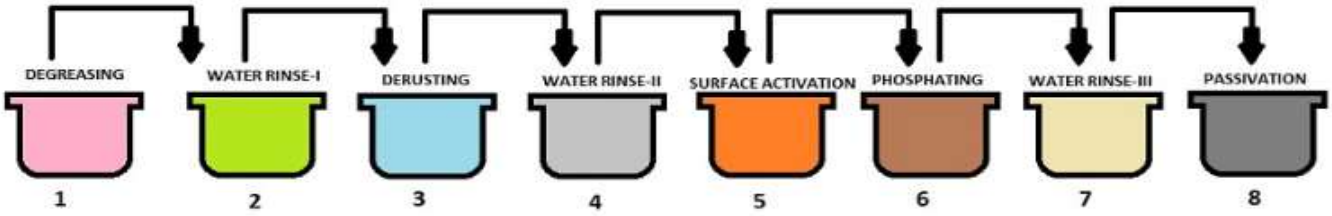


POWDER COATING :

We are involved in offering an extensive range of powder coating job work. We have a team of highly skilled professionals who carried out these services in smooth manner . Offered job works are highly demanded in market due to its high reliability . Furthermore ,our service are executed in timely manner and are cost effective .

PRE- TREATMENT PROCESS:

As with any other metal parts, powder coating on sheet metal requires the article to be pre-treated with 8 stage process involving degreasing, waterrinse, derusting, waterrinse,Surface activation, phospating ,waterrinse and passivation to achieve optimum coating results with the help of automatic transporter.



EEFLUENT TREATMENT PLANT (ETP):

Installed as per PCB (Pollution control board) norms .

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info@sriayyappalasers.com
sriayyappalasers@gmail.com

COATING:



Gema Optislecet Pro Gm 04



OVEN

POWDER COATING SAMPLES













List of Machineries

SL NO	MACHINERY	MAKE	SPECIFICATION	QTY
1	LASER	AMADA	LCG 3015 (2.5 KW) **Cutting Capacity :** MS Upto 16 mm SS Upto 8 mm ALU Upto 6 mm G.I Upto 6 mm **Bed Length:** 3000 x 1500 mm	1 No
2	LASER	AMADA	LCG 3015 AJ2 **Cutting Capacity :** MS Upto 20 mm SS Upto 15 mm ALU Upto 12 mm Brass Upto 8 mm	1 NO
3	CNC BENDING	AMADA	HM 1003 (100 TON)	1 No
4	CNC PRESS BRAKE	BYSTRONIC	BYBEND SMART 225 TON 3100 MM LENGTH	1 NO
5	CNC BENDING	AMADA	HRB 5020 (PRESS BRAKE) 50 Tons 2000mm Length	1 NO
6	GEMA OPTISLECET PRO GM 04	GEMA		1 NO
7	CP – PNEUMATIC COMPRESSOR	CHICAGO PNEUMATIC	15 HP	1 No
8	WELDING	FRONIUS	MIG(350)	1 No
9	WELDING	FRONIUS	MIG(270)	2 Nos
10	WELDING	LORCH	MIG(300)	1 No
11	WELDING	LORCH	AC/DC TIG	1 No
12	WELDING	L & T	MIG	1 No
13	WELDING	AOTAI	MIG(250)	3 Nos
14	WELDING		ARC	4 Nos
15	WELDING		PROJECTION CUM SPOT WELDING	2 Nos
16	WELDING	ESAB	MIG	4 Nos
17	WELDING	OTC		1 Nos
18	TOOL GRINDING			2 Nos

SL NO	MACHINERY	MAKE	SPECIFICATION	QTY
19	HAND GRINDING 7”	MAKITA		2 Nos
20	HAND GRINDING 5”	MAKITA		15 Nos
21	CUT OFF MACHINE	MAKITA		1 No
22	DRILLING		RADIAL	1 No
23	DRILLING		PILLAR	2 Nos
24	HAND DRILLING			3 Nos
25	LATHE			3 Nos
26	PNEUMATIC DEBURRING	RT		1 No
27	PNEUMATIC TAPPING	RT		1 No
28	PNEUMATIC RIVETTING	RT		1 No
29	PNEUMATIC BUFFING	RT		4 Nos
30	HAND PRESS			2 Nos
31	SHAPING MACHINE			1 No
32	FORKLIFT	TOYOTA	CAPACITY : 3 TONS	1 No
33	ROTARY SCREW COMPRESSOR	KAESER	ASK 34/15.0 BAR	1 NO

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Machine Photos

RADIAL DRILLING



HEAVY DUTY LATHE





HAND PRESS HEAVY DUTY

TOYOTA
TOYOTA MATERIAL HANDLING INDIA



LOOKING FOR YOUR VALUABLE ORDERS & THANKING YOU

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