

Welding Electrode Plant



ABOUT US



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PRODUCTS



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Wet Wire Drawing Machine



Copper Coating Unit



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### Wire Straightening & Cutting Machine



### Dry Mixer Ribbon Blender



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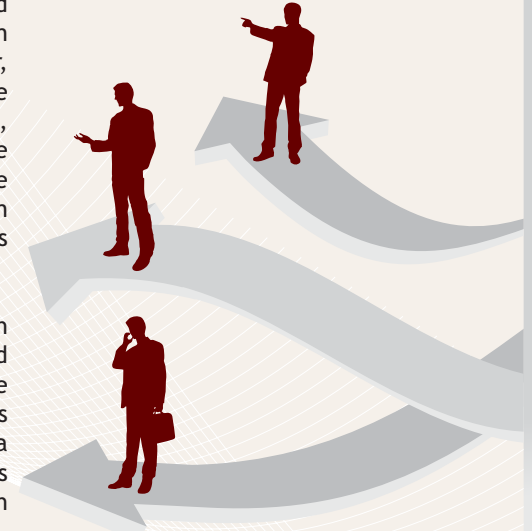
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## ABOUT US

Established in the year 2011 we, “Omega Weld Rod Systems” are a profound organization involved in offering Welding Machinery & Wire Plants. Our product range is precisely manufactured under the supervision of our experienced and hardworking professionals who employ advent technology and machinery to achieve the desired array and stand tall on the patrons expectation and satisfaction. Products that we offer include Dry Mixer - Rotating Double Cone, Wet Mixer, Briquetting Slug Press, Wire Straightening & Cutting Machine, Wire Feeder Vertical, Conveyor Unit, Bell Housing Type Extruder and others. In addition to this, we offer PRE Block, Wet Wire Drawing Machine, Copper Coating Unit, BB Block, 15 kg Spooler, Winder Plants and others. These industrial machines are fabricated as per the requirements of the patrons so that their tastes and preferences are met in a fruitful manner. These team mates make use of superior grade raw material that is obtained from the most authentic vendors of the industry. Besides, our range can be availed in variety of customized options along with their availability in diverse sizes, grades and dimensions. Further, this range is applauded in the market for their attributes like excellent workability, robust construction and longer service life.

We are associated by a team of hardworking and skilled team who follow the path of quality and client satisfaction with an aim to meet the patrons needs and demands in a well defined manner. Our team mates hold high qualifications and degrees that enables them to come up with an outstanding range. In addition to this, our professionals maintain close bonds with the customers to comprehend to their requirements and then work accordingly to accomplish the business related tasks in a timely manner. We have also recruited a team of quality controllers who strive hard to dispatch a flawless range to maintain a harmonious relationship. Besides, we laid utmost emphasis on transparent business operations to create strong bond with the clients situated all over. We exports our products all over world like South East Asia, East/Middle Africa etc.

Under the astute guidance of our mentor, 'Mr. I. G. Vallal', we have been able to scale new heights of growth and success in this specified arena. His commendable knowledge, sharp business skills and immense experience have enabled us to hold unmatched access to the prerequisite demands and needs of the clients.



## ABOUT US

### VISION

"Omega Weld Rod Systems plans to enlarge its portfolio and scope of operations to attain a pre-eminent position as a preferred destination for welding solutions. We shall endeavour to consolidate our leadership in the Indian market, make an indelible mark on the international arena in the foreseeable future and sustain the position in the years to come."

### MISSION

"The mission of Omega Weld Rod Systems is the principle of presenting every customer with value for money welding solutions. We make this possible by monitoring every stage of our operations, ensuring the highest quality in specifications and standards as well as providing them with the requisite support and distribution network."

### WHY US ?

We are a reputed name of this domain, engaged in manufacturing, supplying and exporting a commendable range of Welding Machinery & Wire Plants to the esteemed clients.

Some attributes that have helped us to acquire a remarkable position in the market comprises the following factors:

- Ethical business practices
- Timely delivery schedules
- Competitive prices
- Quality product line
- Transparent deals
- State-of-the-art infrastructure
- Experienced professionals



PRODUCTS WELDING ROD MAKING MACHINERY



DRY MIXER  
ROTATING DOUBLE CONE

Model	DMR 300
Power	3 HP
Capacity	300 Kg



DRY MIXER  
RIBBON BLENDER

Model	DM 150	DM 300	DM 500	DM 1000	DM 1500
Power	2 HP	3 HP	5 HP	10 HP	15 HP
Capacity	150 Kg	300 Kg	500 Kg	1000 Kg	1500 Kg

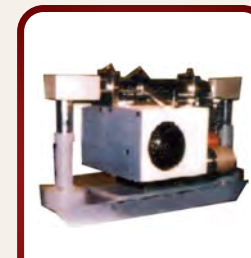


WET MIXER

Model	WM 5	WM 50	WM 100	WM 200
Power	1.5 HP	5 HP	7.55 HP	15 HP
Capacity	5 Kg	50 Kg	100 Kg	200 Kg
Drum Size	500 mm	1000 mm	1100 mm	1400 mm

**PRODUCTS WELDING ROD MAKING MACHINERY**

**EXTRUDER - BELL HOUSING TYPE**

**EXTRUDER - TWIN CYLINDER**

**ELECTRODE NAME PRINTING UNIT**

Model	EXTRA 3T-BH	EXTRA 5T-BH	EXTRA 8T-BH
Power	7.5 HP	15.0 HP	25.0 HP
Type	Horizontal	Horizontal	Horizontal
Oil Cylinder Capacity	62 Tons	200 Tons	275 Tons
Flux Cylinder Length	675 mm	800 mm	950 mm
Flux Cylinder Bore	Dia 115 mm	Dia 150 mm	Dia 210 mm
Max Ram Pressure	250 Kg/cm	250 Kg/cm	250 Kg/cm
Flux Discharge	2600 CC/min	4500 CC/min	7500 CC/min
Specific Pressure	1100 Kg/cm	1100 Kg/cm	1100 Kg/cm

Model	4T - TC	6T - TC	8T - TC	12T - TC
Power	7.5 HP + 5 HP	15 HP + 10HP	25 HP + 15HP	25 HP + 15HP
Oil Cylinder Capacity	100 Tons	200 Tons	340 Tons	390 Tons
No of Flux Cylinder	2 Nos	2 Nos	2 Nos	2 Nos
Flux Cylinder Length	750 mm	800 mm	850 mm	850 mm
Flux Cylinder Bore	Dia 135 mm	Dia 150 mm	Dia 205 mm	Dia 240 mm
Max. Operating Pressure	250 Kg/cm	250 Kg/cm	250 Kg/cm	250 Kg/cm
Specific Pressure	850 Kg/cm	1100 Kg/cm	1050 Kg/cm	880 Kg/cm

Flange	530 mm Max
DiameterMax. Weight Reel+ Wire	700 Kg
Winding Speed	12.5 m/sec
Winding Wire Diameter	0.8 mm to 1.6 mm
Brake	Caliper type pneumatic disc brake
Power	5 HP AC Motor, 1440 RPM

PRODUCTS WELDING ROD MAKING MACHINERY



WIRE FEEDER

Type	Vertical	Horizontal
Number of Pickup Roller	2 sets. (HcHcr with 60 HRC)	2 sets.
Number of Feed Roller	2 sets. (HcHcr with 60 HRC)	2 sets.
Diameter of Feed Roller	104 mm	134 mm
Maximum Feed Rate	300 m/min	420 m/min
Hopper Capacity	150 Kg	300 Kg



BRIQUETTING PRESS (SLUG PRESS)

Model	BP - 3T	BP - 5T	BP - 8T
Power	3 HP	5 HP	10 HP
Flux Cylinder dia	110 mm	145 mm	205 mm
Cake Length	125 mm	140 mm	140 mm



FLUX STRIPPING MACHINE  
(WET) DISC TYPE

Electrode size	2.5 to 6.35 mm	Capacity	250 Kg / Shift
Length	300 to 450 mm	Weight / Change	10 Kg
Weight / Change	10 Kg	Nett weight	400 Kg
Power	2.2 Kw	Type	Disc Type



PRODUCTS WELDING ROD MAKING MACHINERY



CONVEYOR UNIT

Power	6.25 HP	Aligning System	.50 HP A.C.
Main Conveyor	2.0 HP A.C.	Rotating Catter Piller	0.75 HP A.C.
Take off Conveyor	1.0 HP A.C.	High speed brusing & Tip end cleaning arrangements	0.75x3 (2.25 HP) A.C.
Corrugated System	1.5 HP A.C.	Unloading Conveyor	0.5 HP A.C.



WIRE STRAIGHTENING & CUTTING MACHINE

Model	OMEGA 100	OMEGA 200
Power	5 HP	7.5 + 1 HP
Speed	30 - 35 M/Min	65 - 70 M/min
Wire Size	2.5 to 6.0 mm	2.5 to 6.0 min
No of Spinner Dies	5 Nos	5 Nos

PRODUCTS **MIG WIRE PLANTS**



PAY OFF STAND

Material to be Drawn	WR3 Grade Wire
Max. Inlet Size	2.50 mm
No. of Dies	2
Drum Size	405 mm / 400 mm
Power	7.5 HP AC, 1440 RPM

With the help of our experienced workforce, we are able to present a durable range of Pay Off Stand to our deemed clients. These stands are manufactured with utmost precision by making use of prime grade raw material by means of updated machines and advent technology. Offered stands are fabricated in sync with the industry laid standards and norms that helps us to deliver a defect free range at the clients end within the postulated time frame as per their needs and demands.



PRE BLOCK

Model	Overhead Take Off (OTO)
Material to be Drawn	WR3 Grade Wire
Max. Inlet Size	2.50 mm
No. of Dies	2
Drum Size	405 mm / 400 mm
Power	7.5 HP AC, 1440 RPM

Our organization caters to the needs and demands of the patrons in a well defined manner by offering a reliable range of Pre-Block to the respected clients. These blocks are fabricated as per the desired requirements of clients to avoid any inconvenience to their applications in various industries and sectors. from the customers. In addition to this, esteemed customers can avail from us this array in diverse grades and dimensions as per their needs and preferences.

PRODUCTS **MIG WIRE PLANTS**



WET WIRE DRAWING MACHINE

Inlet Size	2.0 to 2.4 mm max.	No. of Dies	11
Finished Size	0.8 mm to 1.6 mm	Capstan	TC Rings
Drawing Speed	12.5 m / sec.	Power	60 HP AC motor, 1440 RPM
Area Reduction	14 - 15.5% max.	Drive	AC Inverter



COPPER COATING UNIT

The tank consists of five sections for:

- 1) Picking
  - 2) Washing
  - 3) Coppering
  - 4) Washing
  - 5) Lubricant for the final skin-pass die.
- Maximum wire speed 12.5 m/sec.
  - Pneumatic tilting device is provided to lift the SS structure.
  - A vertical Rotating die arrangement is given.
  - Skin-pass above lubricant section.

PRODUCTS **MIG WIRE PLANTS**



**BB BLOCK**

Model	OMEGA BB - 450
Material Drawn	CO 2 Wire
Material Size	0.8 mm to 1.6 mm
Drawing Sped	12.5 m/sec.
Brake	Caliper type pneumatic disc brake
Power	15 HP, 1440 RPM
Drive	AC Inverter

Our organization specializes in offering a compact range of BB Block that is fabricated with caliper type pneumatically operated disc that helps to stop the machine once the breakage occurs. Qualified team members make sure to use qualitative raw material that is obtained from the credited vendors of the market. In addition to this, these blocks are available with us in diverse customized options as per their needs and demands. n slip type wire drawing machine. It provides adequate power to pull the wire from skin pass die of the coppering unit. Its upper drum acts as an accumulator in order to give twist free wire without spoiling the copper coating. It also facilitates to reload the spool without stopping plant. wire tensioner and length sensor provided on the frame. It is equipped with caliper type pneumatically operated disc brake to stop machine when wire breakage occurs and also in emergency.



**SPOOLER**

Model	OMEGA SP - 300
Material	MIG Wire
Material Size	0.8 mm to 1.6 mm
Winding Sped	12.5 m/sec.
Power	5 HP AC MOTOR, 1440 RPM
Drive	AC Inverter
Travers Motor	5 HP AC MOTOR, 1440 RPM

Backed by rich industry experience, we are presenting fine variety of 15 kg Spooler. The products offered by us are manufactured using supreme grade raw-material that is procured from the authentic vendors. These spoolers are easy to install and are widely known for diverse applications in different industries and sectors. Our products are therefore, offered in various sizes and grades as per the distinct needs and specifications of our precious clients.

PRODUCTS

OPTIONAL EQUIPMENTS



Flange Diameter	630 mm max.
Max. Weight Reel + Wire	600 Kg
Winding Speed	12.5 m/sec
Winding Wire Diameter	0.8 mm to 1.6 mm
Brake	Caliper type pneumatic disc break
Power	5 HP AC Motor, 1440 RPM
Drive	AC Inverter
Reel/Bobbin Standard	DIN 46397

We hold paramount experience in offering our clients with a compact assortment of Winder Machine, which is fabricated by utilizing superior grade raw material along with heavy steel structure and shafts that takes load of up to 600 kg. These plants are manufactured in compliance with the industry laid parameters that makes us to dispatch an error free range at the patrons end within the stipulated time frame.


CONTACT US




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