

www.mbsi.in



MAHALAKSHMI

Bright Steel Industries Pvt. Ltd.



ABOUT US



Mahalakshmi Bright Steel Industries Pvt. Ltd (MBSI), with the clear aim of attaining top spot in the bright bar industry in South India, has set up a most modern and automatic bright bar plant at Manali, Chennai to meet the growing demands of auto component manufactures and others.

MBSI is well equipped with state-of-the-art, most advanced and fully automatic combined drawing machines, 30T fully automatic Draw Bench with hydraulic push pointer, both machines with online shot blasting from **SAS Engineering, Italy** to manufacture high quality defect free bright steel bars with excellent finish, controlled tolerance / length and straightness. To meet the customers expectations on zero defect, high quality ground finish and close tolerance, the plant is equipped with high speed Centreless Grinding and Polishing machines from **Schumag, Germany**.

The quality is ensured with fully equipped laboratory, spectrometer, MPI, Ultrasonic testing and other required inspection and testing equipments. The employees are trained to believe and practice maker's quality with online inspection. Identification and traceability is maintained right from raw material stage to the finished stage and dispatch.

The company affairs are managed by highly qualified and experienced professionals from the industry supported by dedicated and fully committed management, well trained staff and work force.

The Company has very high approval rating from major OEMs and their vendors as can be seen form the list of major customers given separately. The raw material supplier list include all major approved sources and specialty steel producers in the country.



INFRASTRUCTURE & MANUFACTURING FACILITIES

To support the manufacturing activities, the plant is provided with covered raw material storage area, fully mechanized handling at all stages, processing machines and balancing equipments.

The Plant's present capacity is 24,000 MT per annum and is being increased to 36,000 MT per annum by mid 2017 by addition of fully automatic combined draw bench 75mm capacity with on line shot blasting and additional balancing equipments from SAS Engineering, Italy.



Plant inside view

MATERIAL HANDLING INFRASTRUCTURE

Covered raw material area is provided to store 1000 MT of materials. Keeping in view the increased capacity planned in near future, we have acquired additional area for providing covered raw material shed which can accommodate another 2000 MT of raw materials.

The efficient handling, storage, identification and traceability of raw materials are vital to our industry. We, therefore, have a vast covered storage area and yard managed by a team of a skilled material handling professionals.



LIST OF MACHINERIES

Machine	Make	Size Range	Capacity	Qty
PRODUCTION & PROCESSING MACHINES				
Combined Drawing Machine with online shot blasting (Drawing Speed 40mtrs per Min.)	SAS Engineering, Italy	5mm to 25mm Rounds, Hexagons & Squares	1200 MT	1 No.
Combined Drawing Machine with online shot blasting (Drawing Speed 80mtrs per Min.)	SAS Engineering, Italy	5mm to 16mm Rounds, Hexagons & Squares	800 MT	1 No.
Fully automatic Combined Draw bench with hydraulic push pointer & Online shot blasting machine (30 MT)	SAS, Italy	75mm	1500 MT	1 No.
High Speed, Fully Automatic Centre less Grinding & Polishing Machines	Schumag, Germany	Upto 25mm	700 MT	7 No.
Centreless Grinding Machine	RIAT	Upto 75mm	200 MT	1 No.
Bar Straightening & Polishing Machine	SAS, Italy	75mm	-	1 No.
Bar Straightening & Polishing Machine	Bhambra	Uptp 25mm	-	1 No.
Horizontal & Vertical Heavy duty fully automatic section straightener	SAS, Italy	50mm	-	1 No.
Section Straightener	Local	30mm	-	1 No.
Specific Cut- Length / Component Length Automatic Cutting Machine	Coccen, Taiwan	Upto 25mm	-	1 No.
Fully Automatic Multi Bars Both end Chamfering Machine	SAS Engineering, Italy	Upto 30mm	-	1 No.

LIST OF MACHINERIES

Machine	Make	Size Range	Capacity	Qty
Single end Automatic Chamfering Machine	Taiwan	25mm	-	1 No.
Bandsaw Cutting Machine	Harrison	25mm	-	1 No.
Material Handling Equipments				
Over head Cranes	Indef	5MT	-	5Nos
Mobile Crane	Escort	12MT	-	1 No.
Fork Lift	Voltas	3MT	-	1 No.
Power				
Generating Set	Kirloskar	500 KVA	-	1 No.
TNEB Power	-	1000 KVA	-	2 Connections
Transportation				
Eicher 11.10	-	8 MT	-	7 Nos.
Eicher 10.50	-	3 MT	-	2 Nos.
Taurus (Ashok Leyland)	-	16 MT	-	1 No.
Tata ACE	-	700 Kgs	-	1 No.

PROCESSING MACHINES



Fully Automatic Both end Multi Bar Chamfering Machine, SAS Italy



Combined Drawing Machine, I (CDM-I)
(5mm to 25mm) SAS, Italy



Automatic Component Length Cutting Machine



Combined Drawing Machine, II (CDM-II)
(5mm to 16mm) SAS, Italy

CDM - I DESCRIPTION

CDM - II DESCRIPTION



Online Shot Blasting (Italy)
For Descaling (Pollution Free)



PLC Controlled Shearing Unit



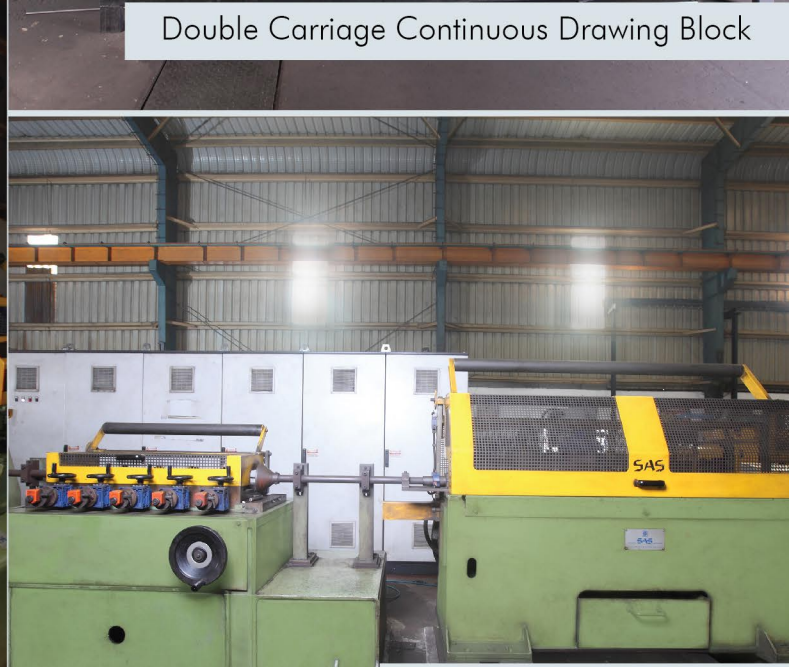
Straightening & Polishing Machine



Tilting type Double Pay-off Stand



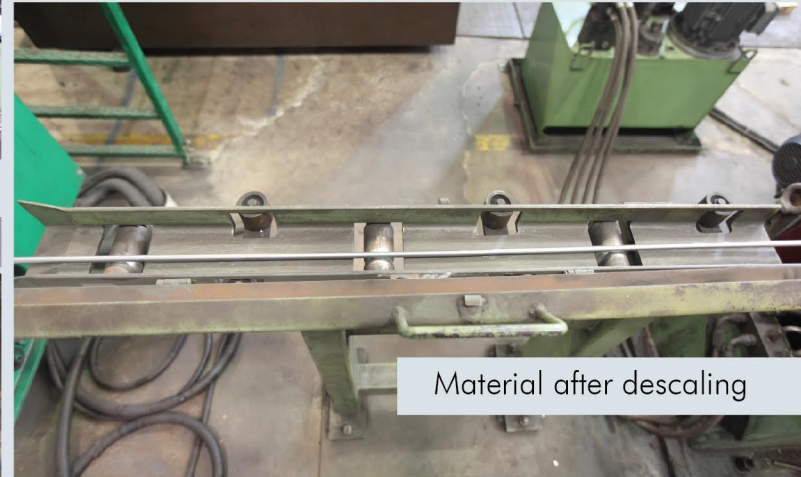
Double Carriage Continuous Drawing Block



Pre-straightening & PLC
Controlled Shearing unit



Pollution free online shot
blasting for Descaling



Material after descaling



Double Carriage Continuous Drawing Block



Straightening & Polishing Unit

50MM, HEAVY DUTY HORIZONTAL & VERTICAL SECTION STRAIGHTENER, SAS, ITALY

Features:-

- Fully Automatic, equipped with horizontal & vertical section straightening rollers.
- Once setting is done, almost 100% straightening at high speed is achieved on one pass.
- Smooth, damage free operation.
- Highly productive due to horizontal & vertical rollers.



20-75MM, STRAIGHTENING & POLISHING MACHINE, SAS, ITALY

Features:-

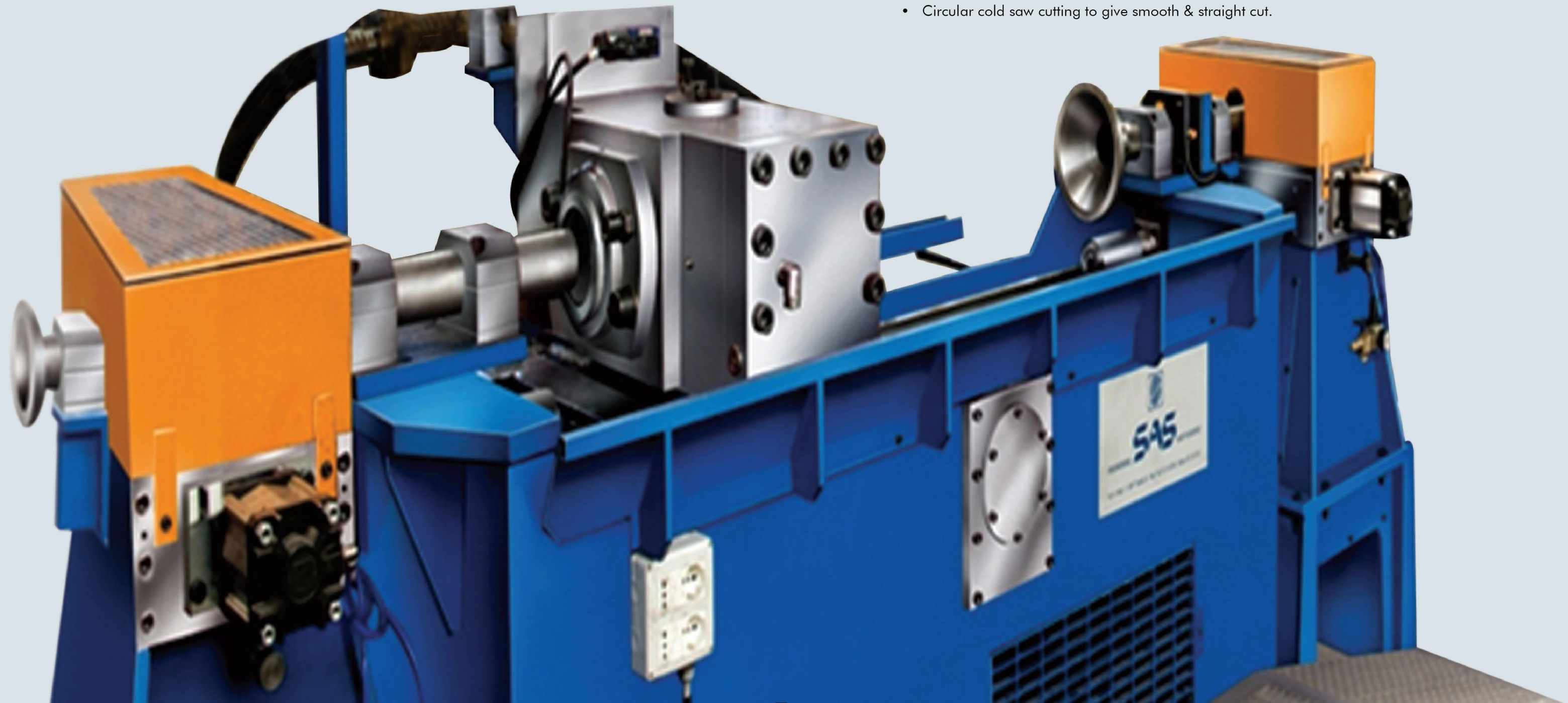
- Fully Automatic, equipped with high quality alloy straightening rollers to give excellent finish.
- Automatic loading, unloading & storage facility resulting in higher output.
- Higher Quality surface finish, controlled tolerances and high degree of straightness.



30T, COMBINED DRAW BENCH 75MM, SAS, ITALY

Features:-

- Fully Automatic, World's Best, processing bright drawn bars from raw material to finished stage in one operation.
- Online shot blasting for high quality, defect free bright Steel Bars with excellent surface finish & controlled straightness.
- Hydraulic Push Pointer for minimum wastage & higher output.
- Fully synchronized operation resulting in higher productivity.
- Avoids any intermediate handlings during various processes preventing any chances of mix up and providing easy traceability.
- Circular cold saw cutting to give smooth & straight cut.



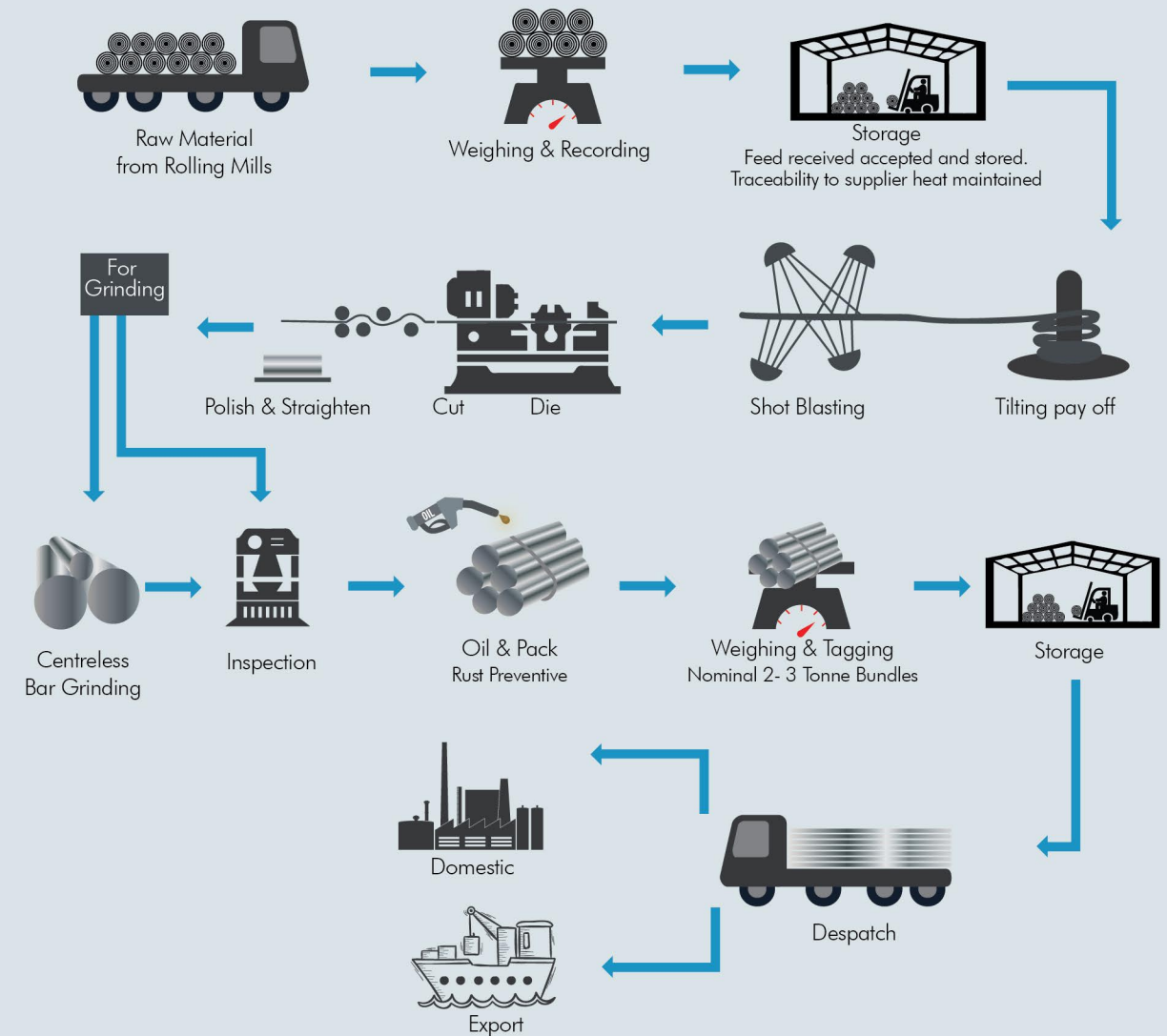
CENTRELESS GRINDING & POLISHING MACHINE (SCHUMAG) (5 No.)

Schumag centreless Grinding & Polishing Machines are the best suited for the Bright Bar applications as the machines provides following advantages over local machines:

1. High Speed Machines giving four times higher productivity
2. Centreless Grinding Machines equipped with polishing units provide excellent surface finish with much closer tolerance and high Ra value.
3. Number of cuts are reduced resulting in high productivity.



PROCESS FLOW CHART



BUNDLING, PACKING & DISPATCH

All approved bars are lubricated with rust preventing oil and packed into bundles of approximately 1-1.5 tons weight. The finished bundles are tagged, colored and accounted for without fail so as to facilitate traceability to the customers in account of any quality or other problem that arise post delivery from our site.



Bundling



Storage



Packing



Dispatch

LAB & INSPECTION FACILITIES

Machine/Equipment	Make	Qty
Spectrometer	Spectro	1
Ultrasonic Flaw Detector	Advanscan AS 414	1
Magnetic Particle Inspection for Crack Detection under UV Light	Electromag	1
Universal Testing Machine	Auto instruments	1
Brinell Hardness Testing Machine	Blue Star	1
Rockwell Hardness Tester	Fine Hardness Testing	1
Metallurgical Microscope	Metji	1
Abrasive Cutting Machine	Chennai Metco	1
Belt Grinder	Chennai Metco	1
Pneumatic Specimen Mounting Press	Chennai Metco	1
Double Disc Variable Speed Grinder Polisher	Chennai Metco	1



Universal Testing Machine



Brinell Hardness Testing Machine



Micro structure Checking



Spectrometer



Ultrasonic Testing



MPI under UV light for crack detection

PRODUCTS RANGE

Popular Grades Produced



CARBON STEEL

EN3B, EN32B, EN8, EN8A, EN8D, EN9, CK45, SAE1045H, SAE1018, SAE1010, 35C8, S38C, C-50, etc.,



FREE CUTTING STEEL

EN1A (NL), EN8M, EN15AM, EN1A (L), SAE1215, SAE12L14, etc.,



DIRECT HARDENING STEEL

EN18, EN19, EN24, 41CR4, 42CRMO4, SAE4140, etc.,



BEARING QUALITY STEEL

EN31, AISI52100



CASE HARDENING STEEL

16MnCr5, 20MnCr5, SAE8620, EN353, EN36C, etc

FINISHED GOODS SPECIFICATION & RANGE

Supply Condition	Section	Size (in mm)	Tolerance	Length & Tolerance
Cold Drawn	Round	5-75	h11	As specified by the customer with close tolerance of Plus or minus 20mm
	Hexagon	7 - 55	h11	
	Square	8 - 50	h11	
Ground Bar	Round	4 - 55	h8 / h9	

OUR MAJOR CUSTOMERS



OUR MAJOR RAW MATERIAL SUPPLIERS



LEADERSHIP PROFILE

MR. S.N. AGARWAL, CHAIRMAN

The year 1975 A humble beginning was made in the world of alloy and special steels with the birth of United Steel Corporation. Promoted by Mr. S.N. Agarwal. United steel Corporation with Head Quarters at Chennai and branches in Coimbatore and Bangalore set its journey in pursuit of excellence. The stupendous success of United Steel Corporation paved the way for United Bright Steel Industries in the year 2003. Today, the major steel manufacturer is one of the leading Bright Bar industries in South India with the production and sales reaching approximately 12,000 MT per annum and caters to the needs of OEMs, major automobile component manufacturers and their vendors.

Inheriting this rich heritage of excellence in manufacturing Bright Steel, is Mahalakshmi Bright Steel Industries, one of the group companies of United Steel Corporation and Unitech Bright Steel Industries.

MANISH AGARWAL, MANAGING DIRECTOR

Manish Agarwal, a second generation entrepreneur, is in steel business for more than 15 years dealing in alloy & special steels to meet the demands of prestigious customers in South India. He subsequently made a successfully foray into the business of Bright Steel by setting up 'Unitech Bright Steel Industries' in the year 2003 and has now set up 'Mahalakshmi Bright Steel Industries Pvt. Ltd', a most modern bright bar plant, to meet the ever growing demands and expectations of Automobile sector and others for their bright steel requirements.

H.K. SINGH, CHIEF OPERATING OFFICER

H.K. Singh has more than 35 years of experience in the Bright Steel Bar industry in areas such as capacity building, business development, product development, production and sales.

In his last capacity as Business Head of Sun Flag Iron & Steel Co. Ltd., and C.O.O of Omega Bright Steel Group, he was in charge of product development, OEM approvals and increasing customer base.

R. SRIDHAR, VICE PRESIDENT (OPERATIONS)

R. Sridhar has 20 years experience in working with leading bright bar industries and has gained vast knowledge and experience in the area of production, quality, sales and marketing and man management. He has been mainly responsible and contributed greatly in the growth of bright bar business of 'Unitech Bright Steel Industries' and setting up MBSI.

FUTURE OUTLOOK OF THE BRIGHT BAR INDUSTRY

Total size of Bright Bar Industry in India is estimated to be in excess of 50,000 MT per month and is growing at the rate of 20%. Out of 50,000 MT, the share of South India is estimated to be in excess of 20,000 MT per month.

The growth of the Bright Bar market is likely to further increase due to:

- Presence of nine automobile majors out of the top 20 global automobile manufactures, namely Daimler, Ford, Mercedes Benz, Volkswagen, BMW, Hyundai, Mitsubishi, Renault and Nissan and many others are coming.
- According to the automotive mission plan 2006-2016 document, the country is set to emerge as the destination for design and manufacture of automobiles and auto components, with output reaching a level of \$145 billion by 2016.
- Overseas companies are putting up procurement centers in India to source their components from the southern region.

INDIAN AUTO COMPONENTS IS ALREADY DRIVING ON YOUR ROADS





MAHALAKSHMI

Bright Steel Industries Pvt. Ltd.

MAHALAKSHMI BRIGHT STEEL INDUSTRIES PVT. LTD

No.255/3C, Sadayankuppam Main Road
Manali Village, Chennai – 600 103
Email: info@mbsi.in

UNITECH BRIGHT STEEL INDUSTRIES

No.113, Vanagaram Road, Chennai – 600 095
Tel: 044 2624 4749, 26520340
Email: usm_75@yahoo.co.in

HEAD OFFICE

No:60, Mugappair Road, Padi, Chennai – 600 050
Tel: 044 2624 4749, Cell : 98409 51587