

rebar processing equipment

**JAYMAC**







Since its inception in 1982 Jaypee India Limited has constantly upgraded its portfolio with diverse offerings, challenging projects and impressive clients. Our reputation is built on technical expertise, professional approach and commercial integrity. With a dedicated team of dynamic, qualified professionals we provide optimal engineering solutions meeting client requirements. We build long term, successful partnerships with our clients based on mutual trust and respect.

Today, JAYPEE's wide range of products includes Rebar Bending Machine, Bar Cutting Machine, Batch Mix Plant, Concrete Mixer, Mini Dumper, Walk Behind Vibratory Roller, Tower Crane, Passenger Hoist, etc.

## INFRASTRUCTURE



Our advanced manufacturing facility located on the outskirts of Kolkata on NH6 is a state of art unit with modern material handling equipments and up to date infrastructure facilities. Built on area of 11 Acres, the facility boasts of a dedicated R&D unit, a Machine Tool Centre, Fabrication Shop and Assembly line.

Modern machine tools such as Horizontal Machining Centre, CNC Turning Centre, Vertical Machining Centre, CNC Milling and advanced material handling system including an assembly line enhance the production capacity and provide in-house quality checks.

## QUALITY



A dedicated quality control team assures that every Jaypee product meets the highest standards of dedication and workmanship. Inspection is carried out in various stages starting with chemical tests of the raw materials that are being used till the machine productivity check which is carried out before despatch.

Latest measurement tools and skilled professionals provide Jaypee Assurance to every product which is manufactured at our facilities.





# JAYMAC®

Jaypee's registered brand for rebar processing Equipment

Jaypee's registered brand JAYMAC® is probably the country's oldest and most popular brand for rebar processing equipment. Jaypee started manufacturing rebar equipments under its JAYMAC® Brand in the year 1995 and it stood the test of time to provide its clients with the most durable bar shearing and bar bending machines over the years. Today, JAYMAC® Bar Bending Machine and JAYMAC® Bar Shearing Machine is a synonym used in the industry for rebar equipments.

JAYMAC® range of rebar processing equipments now cover all fields of rebar processing including bending, cutting, de-coiling, straightening, radius, stirrup and tying machines.

We began our journey almost three decades ago with a simple mission of "Enhancing Trust". With a single motto in our heart we began manufacturing general construction machineries

in 1982 and provided our customers with world class quality at the most competitive prices. This eventually helped us achieve the unparalleled trust of our customers and gave us the push to achieve even greater heights.

We constantly upgraded our portfolio with diverse offerings, challenging projects and impressive clients. Our reputation is built on technical expertise, professional approach and commercial integrity. With a dedicated team of dynamic, qualified professionals we provide optimal engineering solutions meeting client requirements. We build long term, successful partnerships with our clients based on mutual trust and respect. We at JAYPEE believe that sky is the limit for success but trust of our consumers is the ladder to that success, and thus it has always created a bond of trust with the clients.

Delivering superb service really is at the core of what we're about. We strive to do this day in, day out. Building on this experience and expertise, we are now ready with a pan-India growth strategy to deliver an unprecedented number of high-quality projects in the forthcoming years.

As we embark on an exciting new chapter in our corporate existence.

I humbly look forward to your continued support for all our endeavors.

Jay Mehta, Founder





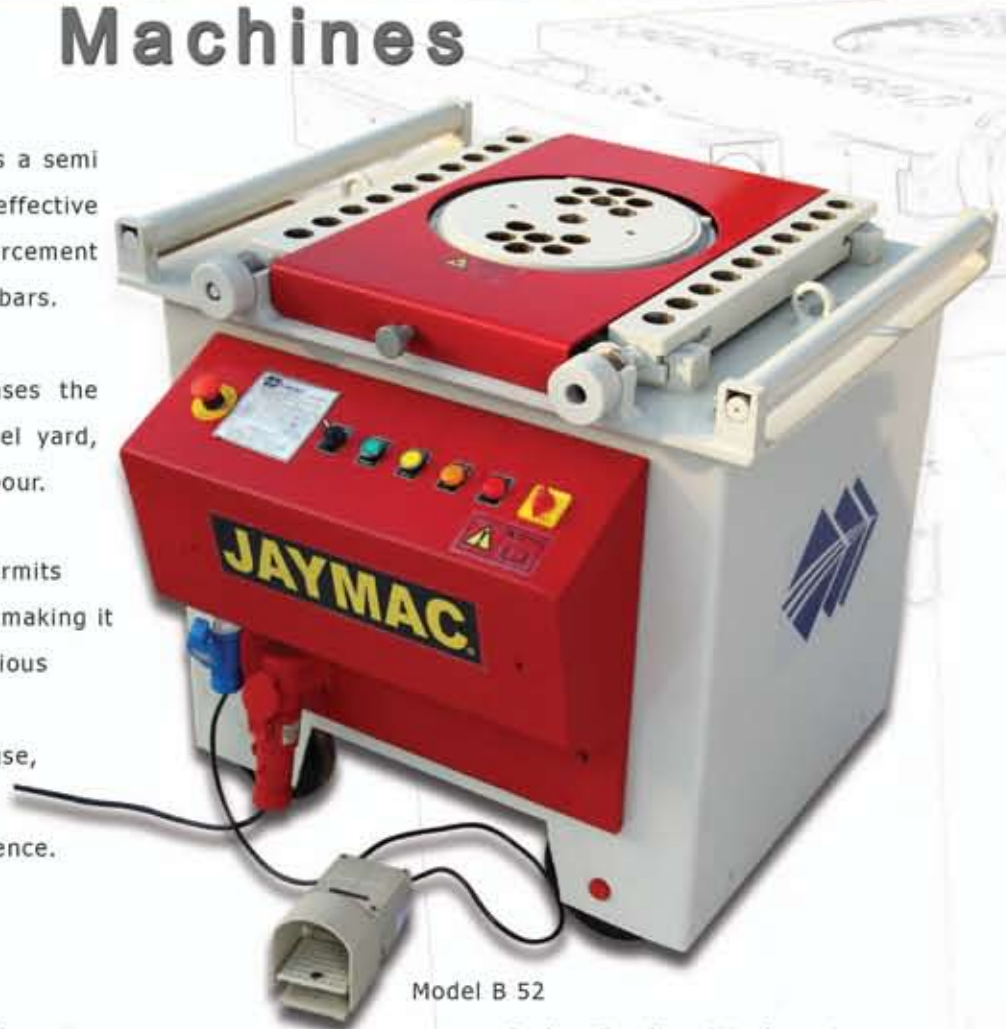
# Bar Bending Machines

JAYMAC® Bar Bending Machine is a semi automatic, durable fast and cost effective machine, used for bending reinforcement bars and various forms of round bars.

This machine effectively increases the production capacity of your steel yard, minimising the use of manual labour.

The automatic angle selection permits a precise bend at a preset angle making it one step bending process for various forms of bends and stirrups.

Bar Bending Machine is easy to use, the machine can be operated by a layman with minimal experience.



Model B 52

Special Bending Attachment



Radius Bending Attachment



Model	R.P.M Machine	Motor H.P.	Kg/mm <sup>2</sup> 45			Kg/mm <sup>2</sup> 65			Kg/mm <sup>2</sup> 80			Dimensions	Weight
			1	2	3	1	2	3	1	2	3		
			∅	∅	∅	∅	∅	∅	∅	∅	∅		
B 28	12	3	28	16	8	25	12	6	20	10	6	730 x 630 x h 890 mm	550 kgs
B 36	9	5	36	20	10	32	16	8	25	12	6	910 x 890 x h 890 mm	600 kgs
B 42	8	5	42	25	12	36	20	10	32	16	8	970 x 970 x h 910 mm	700 kgs
B 52	6	7.5	52	32	20	42	25	16	36	20	12	970 x 970 x h 910 mm	780 kgs
B 55	5.6	7.5	55	26	16	48	24	16	44	22	14	970 x 970 x h 910 mm	820 kgs



# JAYMAC®

## FEATURES

Set on a wide body with a heavy duty gearbox, JAYMAC® Bar Bending Machines boast of a rigid design which helps maintain the performance of the machine year after year. An oil bathed gearbox with hardened forged alloy gears provide maximum strength and innovative features such as push button bending give operator comfort.



Model B 28



High Bending Capacity



Checking Block and large diameter bushes helps achieve accurate bends.



Safety Cover provides operators with maximum safety and comfort.



Advanced Electrical control with brake motor increases machine performance and durability.



Foot pedal control switch gives the ease of one-man operation for bending re-bars.

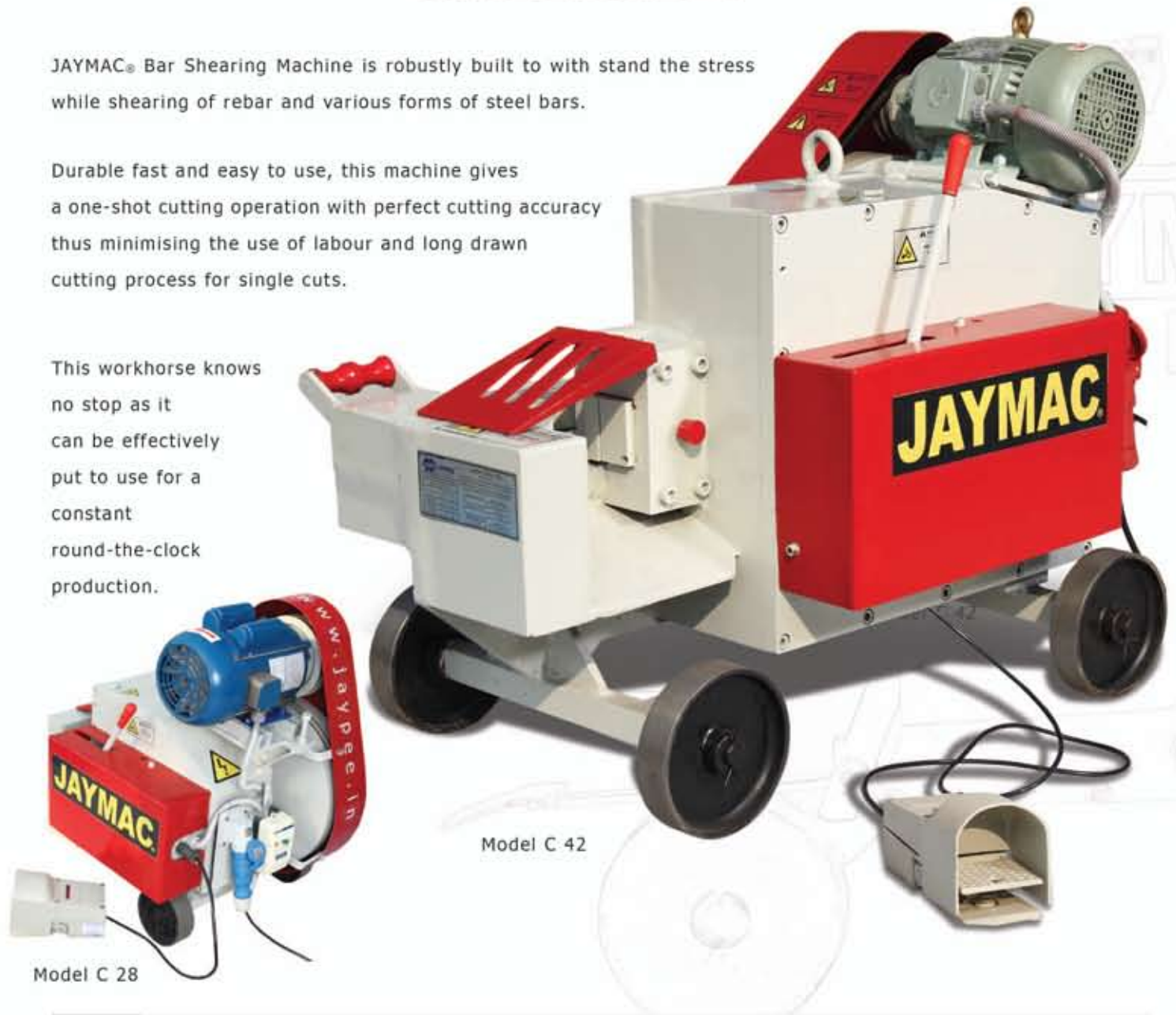


# Bar Shearing Machines

JAYMAC® Bar Shearing Machine is robustly built to withstand the stress while shearing of rebar and various forms of steel bars.

Durable fast and easy to use, this machine gives a one-shot cutting operation with perfect cutting accuracy thus minimising the use of labour and long drawn cutting process for single cuts.

This workhorse knows no stop as it can be effectively put to use for a constant round-the-clock production.



Model C 42

Model C 28

Model	R.P.M Machine	Motor H.P.	Kg/mm <sup>2</sup> 45			Kg/mm <sup>2</sup> 65			Kg/mm <sup>2</sup> 80			Dimensions	Weight
			1	2	3	1	2	3	1	2	3		
			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
C 28	90	3	28	16	8	25	12	6	20	10	10	800 x 570 x h 800 mm	450 kgs
C 36	90	5	36	20	10	32	16	8	25	12	6	1070 x 610 x h 910 mm	550 kgs
C 42	90	5	42	25	12	36	20	10	32	16	8	1220 x 740 x h 910 mm	700 kgs
C 52	40	7.5	52	32	20	42	25	16	36	20	12	1350 x 740 x h 970 mm	750 kgs
C 55	40	7.5	55	26	16	46	22	16	42	20	14	1350 x 740 x h 970 mm	800 kgs



# JAYMAC®

## FEATURES

A high power torque generator in the form of a solid flywheel is what, gives JAYMAC® Bar Shearing Machines unmatched strength and robustness. A shock resistant tool steel, duly heat treated, forms the innovative Eight Edged Blade giving longer operational life to the cutting tool.



Model C 52

1350 mm

970 mm



Model C 28



  
High capacity  
Eight Edged  
Blade.



Innovative foot  
control switch  
for one man  
operation.



Jig locator for  
rigid holding  
of bars while  
shearing.



Safety cover  
for operator  
protection  
while shearing.

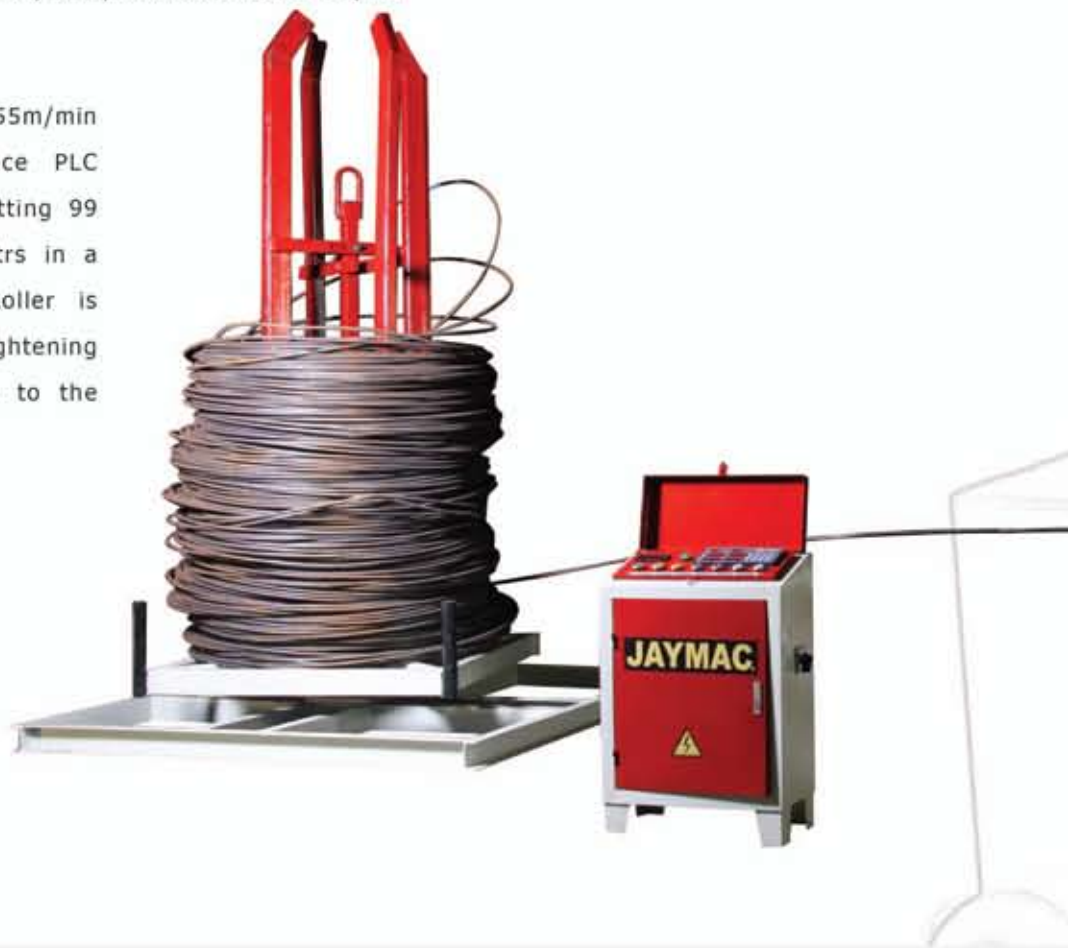


Electrical safety  
devices ensuring  
safe operation.

# Bar De-coiling & Straightening Machines

Jaymac® Automatic Steel Bar De-coiling Straightening and Cutting Machine is an innovative design for straightening round steel, hot and cold rolled rebar, ribbed steel and thread screw steel. Used for building construction and by steel rolling mills. This automatic machine has high traction speed, straightening stability and cutting for working in a better, safe, and continuous output.

The speed of the machine is 55m/min with flying shear & advance PLC Control Panel, capable of cutting 99 different lengths up to 99mtrs in a single setting. Hyperbolic Roller is used for accurate straightening without causing any damage to the rebar.



## PROCESS

Cold rolled coils are put in through high speed drive rollers and straightened using hyperbolic rollers, set in a straightening spinner. Cut to length bars are achieved using digital measurement of bars via encoders.



Automatic Control Panel with PLC controller for easy production



High speed drive rollers along with pre-straighteners provide high capacity.



# JAYMAC®



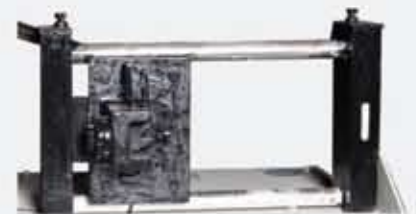
Model	ST - 14
Round Bar : 4 -14 mm	Reinforce Steel Bar : 6-12 mm
Wire transportation speed	55m/min
Wire design length(can be increased)	450mm-99.99m
Cutting length error	± 2cm
Shearing motor power	7.5kw
Straightening & Drive motor power	11kw
Dimension	2250*890*1300mm
Net Weight	950 kg



Hyperbolic straightening rollers give accurate straightness without damaging rebars



Digital measurement system for correct lengths,



Flying shear with high speed hydraulic cutting provides continuous productivity,



# Special Bending Machines

## RADIUS BENDING

JAYMAC® Heavy-duty Radius Bar Bending Machine will radius up to 35mm rebar.

RB 36 comes with a standard 2-speed drive motor, adhering to most safety requirements it is an efficient and quicker bender used for making circular rings.



JAYMAC® Radius Bender is designed to bend radius rebar without the need to pre-bend the end of the bar. Keeping the operator's hands away from the forming rolls allows safe operation. The Radius Bender has been designed with a guard for making rings in a safe operation. After forming the ring, the finished shape is lifted out of the machine while the guard hinges and returns to the closed position. The drive rollers do not rotate while the guard is open.



Safety Cover



Advanced electrical control panel



One step radius bending process

Model	RB 36
Capacity	36 mm bar : grade 60 or 65kg/mm <sup>2</sup>
Motor	Feed Motor 5 hp 2- speed brake motor 440 VAC 3-Phase 50Hz Standard
Feed Rate	44 Meters/ Minute or 22 meters/ minute
Dimensions	960 x 960 x 890 mm
Weight	700 kgs



# JAYMAC®

## STIRRUP BENDING

- 3 angle selection in single operation.
- Digital PLC Control drive.
- Automatic Stirrup forming programme.
- Available in single phase and three phase options with variable frequency inverter.



Digital Control Panel



Model	SB - 28
Capacity	25 mm max.
Motor	3 HP
Dimensions	730 X 6300 X 890 mm
Weight	560Kgs



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