ENHANCING TRUST

JAYPEE®
Construction Equipment Solutions

REBAR PROCESSING Equipment

CONCRETE PROCESSING EQUIPMENT

COMPACTION EQUIPMENT

LIGHT CONCRETE COMPACTION EQUIPMENT








MAN & MATERIAL HANDLING EQUIPMENT

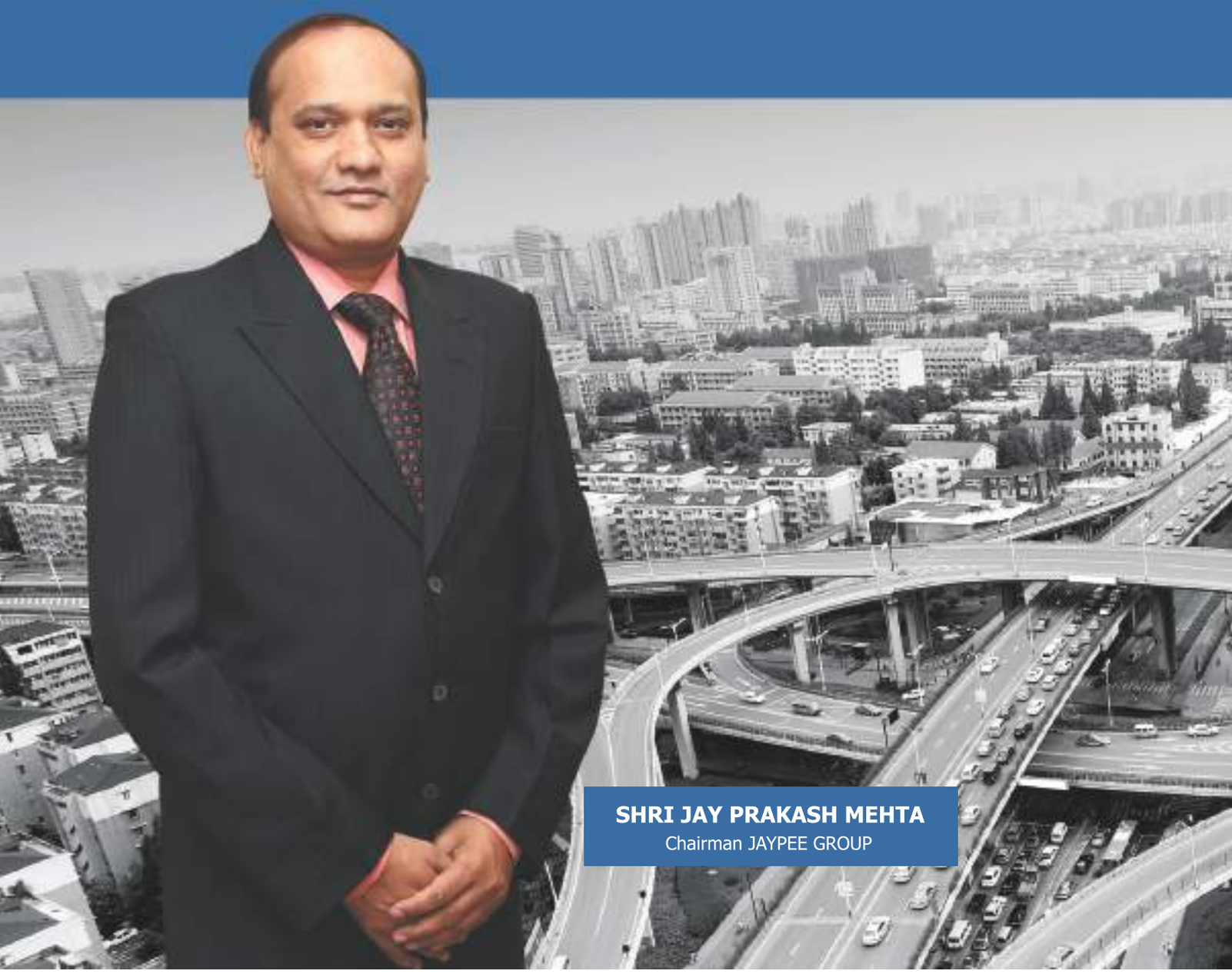
WINNING THROUGH
CONSTANT INNOVATION

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. 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, Automatic Batching Plant, Walk Behind Vibratory Roller, Suspended Platform Hoist, Passenger & Material Hoist, Multi Function Hoist etc.

Our advanced manufacturing facility located on the outskirts of Kolkata on NH-6 is a state of art unit with modern material handling equipment and up to date infrastructure facilities. Built on an area of 15 acres of land, 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, CNC Gear Hobbing, CNC Plasma Cutting, VTL and advanced material handling system including an assembly line enhance the production capacity and facilitate in-house quality checks.



SHRI JAY PRAKASH MEHTA
Chairman JAYPEE GROUP

Enhancing Trust

We began our journey almost three decades ago with a simple mission of "Enhancing Trust". With a single motto in our hearts 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 unparallel trust of our customers and gave us the push to achieve even greater heights.

With a dedicated team of dynamic, qualified professionals we provide optimal engineering solutions meeting client requirements. We build long term, successful partnerships.

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 enabled us to create a bond of trust with our clients.

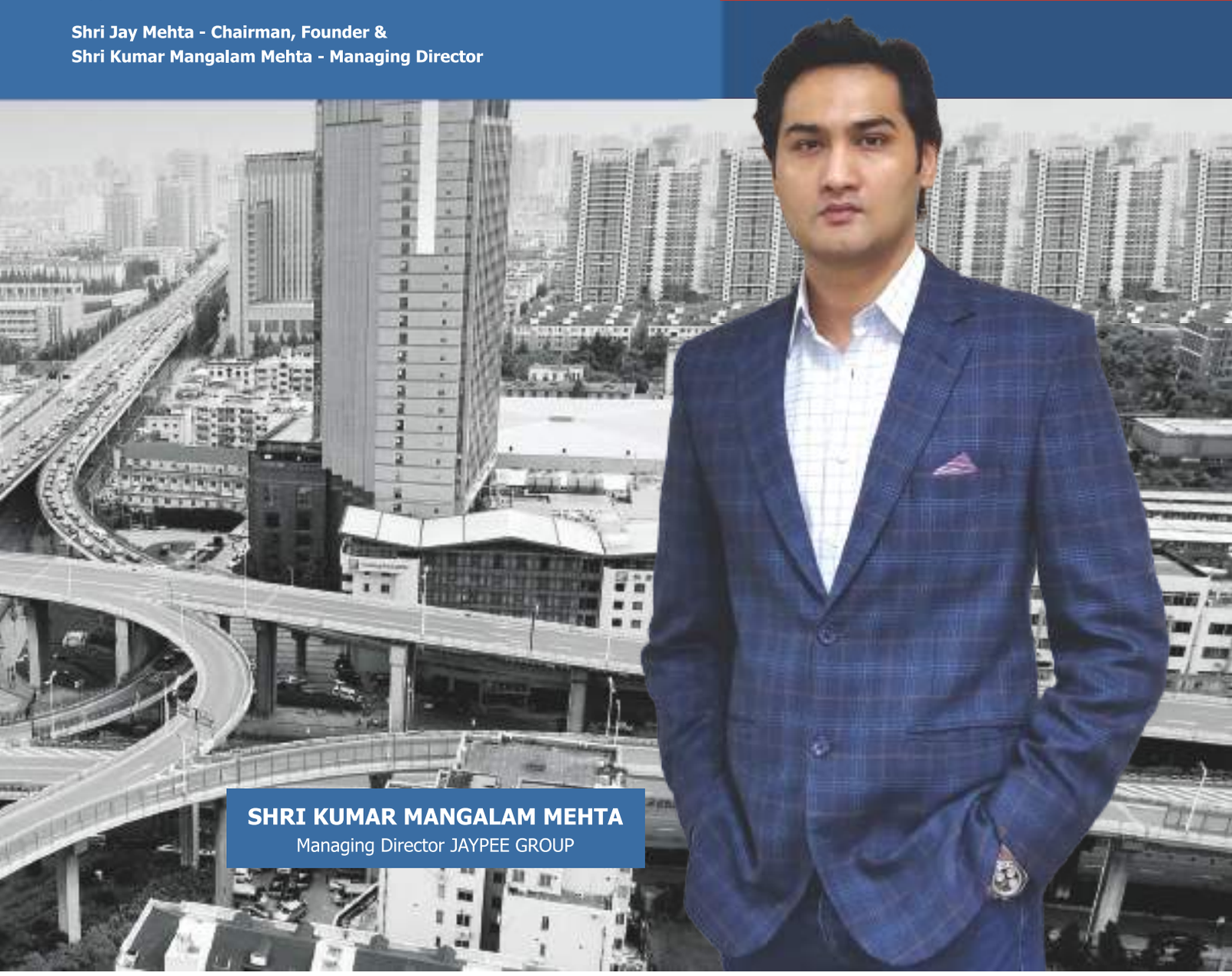
Delivering superb service really is at the core of what we're about. We strive to do this day in, day out. Building on this experience and expertise, we are now ready with a pan-India growth strategy to deliver an unprecedented number of high-quality projects in the forthcoming years. As we embark on an exciting new chapter in our corporate existence, we humbly look forward to your continued support for all our endeavours.

Shri Jay Mehta - Chairman, Founder &
Shri Kumar Mangalam Mehta - Managing Director

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.

CONSTRUCTION
equipment solutions



SHRI KUMAR MANGALAM MEHTA
Managing Director JAYPEE GROUP

JAYMAC®

BAR BENDING MACHINE



The Jaymac® Bar Bending Machine is a semi-automatic, durable, fast, and cost-effective tool used for bending reinforce-ment and round bars.

This machine significantly increases the production capacity of your steel yard while minimizing the need for manual labor.

The automatic angle selection allows for precise bending at a preset angle, making it a one-step process for various bends and stirrups. The Bar Bending Machine is easy to use and can be operated by someone with minimal experience.

Features

The Jaymac® Bar Bending Machines feature a robust design built on a wide body with a heavy-duty gearbox. This rigid construction ensures consistent performance year after year. The oil-bathed gearbox, equipped with hardened forged alloy gears, provides maximum strength. Additionally, innovative features like push-button bending enhance operator comfort.



Model	R.P.M Machine	Motor H.P.	Kg/mm² 45			Kg/mm² 65			Kg/mm² 80			Dimensions L×W×H	Approx. weight
			1 Ø	2 Ø	3 Ø	1 Ø	2 Ø	3 Ø	1 Ø	2 Ø	3 Ø		
B 40	9	5	28	20	10	28	16	8	25	12	6	860 × 910 × 880 mm	500 kg
B 45	8	5	42	25	12	36	20	10	32	16	8	960 × 970 × 900 mm	700 kg
B 55	5.6	7.5	50	36	28	42	32	28	40	28	20	1100 × 1037 × 892 mm	820 kg

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BAR SHEARING MACHINE



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 minimizing the use of labour and long drawn-cutting process for single cuts.

This workhorse knows to stop as it can be effectively put to use for a constant round-the-clock production.

Features

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

- Jig locator for rigid holding of bars while shearing.
- Electrical safety devices ensuring safe operation.
- Special tool steel cutting blades are carefully heat treated for a longer cutting life.
- Safety cover for operator protection while shearing.



Model	R.P.M Machine	Motor H.P.	Kg/mm² 45			Kg/mm² 65			Kg/mm² 80			Dimensions L×W×H	Approx. weight
			1 Ø	2 Ø	3 Ø	1 Ø	2 Ø	3 Ø	1 Ø	2 Ø	3 Ø		
C40	90	5	28	20	10	28	16	8	25	12	6	1050 × 600 × 920 mm	480 kg
C45	90	5	42	25	12	36	20	10	32	16	8	1200 × 750 × 910 mm	680 kg
C55	40	7.5	50	36	28	42	32	28	40	28	20	1325 × 720 × 940 mm	800 kg

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WINGET®

BAR BENDING MACHINE



Features

- In-built Tool Box
- Collapsible Heavy Duty Lifting Lugs
- Grouting Legs
- Hatch Protected Operating Console Pre-set Angles, i.e. 90° and 135°. These can be pre-set as per requirement at site. Programmable Logic Controllers (PLCs) is used for the optimal operation.
- Operator side mounted electrical panel for easy access to electrical maintenance.
- Moly Grease filled gearbox ensures lifetime no maintenance.



Phase Reversal Protection
Phase Loss Protections
Hatch Mounted Operating Console
Over Current protection through MCB and overload relays

Bar Specification – WB 42	Bar Dia in mm								
	40	36	32	25	20	16	12	10	08
No. Bars – FE 500 (50 Kg/mm²)	-	1	1	1	2	3	3	4	6
No. Bars – FE 500D (60 Kg/mm²)	-	-	1	1	1	2	3	4	5
No. Bars – FE 550D (70 Kg/mm²)	-	-	1	1	1	2	3	4	5
No. Bars – FE 500S / FE 600 (78 Kg/mm²)	-	-	-	1	1	2	3	4	5

Bar Specification – WB 52	Bar Dia in mm								
	40	36	32	25	20	16	12	10	08
No. Bars – FE 500 (50 Kg/mm²)	1	1	1	2	2	3	5	6	8
No. Bars – FE 500D (60 Kg/mm²)	-	1	1	1	2	3	4	6	8
No. Bars – FE 550D (70 Kg/mm²)	-	1	1	1	2	3	4	5	7
No. Bars – FE 500S / FE 600 (78 Kg/mm²)	-	-	1	1	2	3	4	5	7

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BAR SHEARING MACHINE

JAYPEE®
Construction Equipment Solutions



Features

- In-built Tool Box
- Productivity & Maintenance Schedule
- Wheels for Easy Mobility
- Side Symmetrical & Reversible Cutting Blades.
- DOL Starter for highest reliability.
- Helical Gear System in the Gearbox for Higher Reliability & Efficiency

Phase Loss Protections
Special Safety Mesh to cover the open area of moving fly-wheel & pulley to safeguard any human intervention,
Phase Reversal Protection.
Safety Plate with open operation resistance
All Machines are built with 3-Phase Electricity Input



Bar Specification for WC-42	Bar Dia in mm								
	40	36	32	25	20	16	12	10	08
No. Bars – FE 500 (50 Kg/mm²)	-	1	1	1	1	2	3	4	5
No. Bars – FE 500D (60 Kg/mm²)	-	-	1	1	1	2	3	3	4
No. Bars – FE 550D (70 Kg/mm²)	-	-	-	-	1	2	3	3	4
No. Bars – FE 500S / FE 600 (78 Kg/mm²)	-	-	-	-	1	2	3	3	4

Bar Specification for WC-52	Bar Dia in mm								
	40	36	32	25	20	16	12	10	08
No. Bars – FE 500 (50 Kg/mm²)	1	1	1	2	2	3	5	6	8
No. Bars – FE 500D (60 Kg/mm²)	-	1	1	1	2	3	4	6	8
No. Bars – FE 550D (70 Kg/mm²)	-	1	1	1	2	3	4	6	7
No. Bars – FE 500S / FE 600 (78 Kg/mm²)	-	-	1	1	2	3	4	6	7

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BAR DE-COILING AND STRAIGHTENING MACHINE

The Jaymac® Automatic Steel Bar De-coiling, Straightening, and Cutting Machine features an innovative design for straightening round steel, as well as hot and cold rolled rebar, ribbed steel, and thread screw steel. It is ideal for use in building construction and by steel rolling mills. This automatic machine offers high traction speed, stable straightening, and efficient cutting, ensuring safe and continuous operation.

The speed of the machine is 55m/min with flying shear & advance PLC Control Panel, capable of cutting 99 different lengths upto 99 Mtrs 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.



Model	ST - 14
Round Bar: 4 ~ 14 mm	Reinforce Steel Bar: 6 ~ 12 mm
Wire Transportation Speed	55 m/min
Wire Design Length (can be increased)	450 mm ~ 99.99 m
Cutting Length Error	± 2 cm
Hydraulic Motor Power	7.5 kw (10 HP)
Straightening and Drive Motor Power	15 kw (20 HP)
Dimension	2800 x 760 x 1150 mm
Net weight (Approx.)	950 kg
6 Mtr. / 9 Mtr. / 12 Mtr. Stand	Optional



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RADIUS BENDING MACHINE

JAYMAC® Heavy-duty Radius Bar Bending Machine will radius up to 35mm rebar.
RB-42 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 42
Capacity	32 mm bar
	Grade 60 or 65kg/mm^2
Motor	Feed Motor
	5 HP Motor
	440 VAC 3-Phase 50Hz Standard
Feed Rate	22 m/min
Dimensions	1000×1050×930 mm
Weight (Approx.)	750 kgs

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STIRRUP BENDING MACHINE



With its wide experience in the field of manufacturing construction equipment, Jaypee® has now come up with the world class stirrup bending machines. These stirrup benders from Jaypee® are manufactured by an expert team of engineers and hence are innovative and user friendly.

The stirrup bar bending machines from Jaypee® are robustly designed and are available in both standard and customized configurations to suit unique customer requirements.



MODEL	SB - 16
Length	850 mm
Width	685 mm
Height	885 mm
Weight (approx.)	400 KG
Machine	20 RPM
Max. Bending DIA	16 mm - FE 500 TMT
Power Rating	1.1 Kw
Control	415 V, 3 DIA, A.C
Minimum Stirrup Size	100 × 100 mm

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FEATURES

- Innovative with Digital Control Panel
- Flexible with Adjustable Rebar System
- Durable with Corrosion Resistance Properties
- Available in Both Manual and Automatic Configurations
- Any size of Stirrups can be done

10/7 CONCRETE MIXER





TECHNICAL SPECIFICATIONS:

- Model No: 10/7 concrete mixer
- 2550 × 1680 × 2600 overall dimension
- Electronic load cell system
- Digital Panel Board
- In line water flow meter

You get custom designed concrete mixer from Jaypee®, a leading concrete processing equipment manufacturing unit of India.

This construction equipment is capable of preparing large amount of quality concrete at a single point of time. It is robustly built providing longevity and return against investment. This is a single bag concrete mixer.

TYPES OF CONCRETE MIXER

- High Capacity Concrete Mixing Drum
- Low Capacity Concrete Mixing Drum
- Mechanical Concrete Mixer
- Diesel Concrete Mixer
- Electric Concrete Mixer
- Hydraulic Concrete Mixer

The concrete mixer from Jaypee, a leading concrete mixer manufacturer comes with several additional safety features. These concrete mixers are innovative to meet the dynamic requirements of any leading construction company in India.

MODEL	10/7 - D / E
Drum Capacity	10/7 cft
Drum RPM	26 RPM
Overall Dimension (L×W×H)	2600 × 2300 × 2300
Prime Mover	6.5 HP Diesel Engine 5 HP Electric Motor
Prime Mover Cabin	Steel Body
Loading Hopper	Hydraulic Operated with Heavy Duty Power Pack
Hydraulic Pump	Gear Pump @ 207 bar
Optional Features	Weigh Batching System

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BENEFITS & FEATURES

- Easy to Operate
- Convenient Discharge
- Fabricated Yoke gives Optimum Performance
- Wide Wheel Base To Give Better Stability
- Easy Swivel Arrangement
- Convenience of Lubrication
- Easy to Transport Chassis
- Mixing Drum for Fast Perfect Mixing
- Transmission - Extra Efficiency at no extra cost
- Housing - For Safety a Hopper - that Discharges in Record Time
- Optimum Performance
- Minimum Maintenance
- Rust Resistant
- Easy to Handle
- 10/7 cft tilting drum mixer
- Saves lot of time since mixer discharges right in to the hoist bucket
- Single man can operate both the mixer and the vertical lifting bucket

10/7 CONCRETE MIXER WITH HOIST

Jaypee® 10/7 Concrete Mixer with Lift is fabricated using high grade components, procured from our authentic vendors in the market. We also use the most innovative technology and hi-tech machines to manufacture this product. Made as per the prevailing norms and regulations of the industry, our offered concrete mixers are widely appreciated in various construction and allied industries.



The concrete lift machines are manufactured at Jaypee® adhering to IS 1791:1968. These concrete lifts undergo extensive quality tests prior to delivery and hence there are negligible chances of getting faulty concrete machine lift.

Concrete lift machine has the ability of melt stirring and lifting. Through the different height of ladder, the hoisting machine and carriage, the concrete inside lifting bucket can be promoted to different floors. The lifting concrete has the advantages of easy operation, reduced labor and material consumption; shorten construction time, and high construction efficiency.

TYPES OF CONCRETE MIXER

- High Capacity Concrete Mixing Drum
- Low Capacity Concrete Mixing Drum
- Mechanical Concrete Mixer
- Diesel Concrete Mixer
- Electric Concrete Mixer
- Hydraulic Concrete Mixer

The concrete mixer from Jaypee, a leading concrete mixer manufacturer comes with several additional safety features. These concrete mixers are innovative to meet the dynamic requirements of any leading construction company in India.





MODEL	CMH - 1 D / E
Drum Capacity	10/7 cft
Prime Mover Cabin	With Hinge Door
Loading Hopper	Hydraulic Operated with Heavy Duty Power Pack
Concrete Mixing Time	2 Min 30 sec
Drum Speed	19 rpm
Lift	2 Poled Method
Winch Lifting Capacity	450 kg
Winch Height	20 to 30 mtrs.
Production Rate	3 - 3.5 m^3/hr

PRIME MOVER			
Height	1 -14 mtr	15 - 25 mtr	25 - 32 mtr
Electric	5 H.P.	7.5 H.P.	10 H.P.
Diesel	6.5 H.P.	10 H.P.	12 H.P.

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BENEFITS & FEATURES

- Easy to Operate
- Convenient Discharge
- Fabricated Yoke and give Optimum Performanc
- Wide Wheel Base To Give Better Stability
- Easy Swivel Arrangement
- Convenience of Lubrication
- Easy to Transport Chassis
- Mixing Drum for Fast Perfect Mixing
- Transmission - Extra Efficiency at no extra cost
- Housing - For Safety a Hopper - that Discharges in Record Time
- Optimum Performance
- Minimum Maintenance
- Rust Resistant
- Easy to Handle
- 10/7 cft tilting drum mixer
- Saves lot of time since mixer discharges right in to the hoist bucket
- Single man can operate both the mixer and the vertical lifting bucket

3 BIN DIGITAL CONCRETE MIXER





Jaypee® 3 Bin Digital Concrete Mixer is renowned for its robust build, rigidity and long life. Adhering to IS 1791:1968 the mixer provides a uniform mix for a reliable operation. A concrete mixer is popularly known as a cement mixer with 3 Bin. The concrete mixers from Jaypee® are used to mix cement, aggregates like sand, gravel and water to form quality concrete and form a strong base for buildings. These concrete mixers from Jaypee® are the essential batching machines used in the construction industry.





BENEFITS & FEATURES

- Easy to Operate
- Convenient Discharge
- Fabricated Yoke and give Optimum Performanc
- Wide Wheel Base To Give Better Stability
- Easy Swivel Arrangement
- Convenience of Lubrication
- Easy to Transport Chassis
- Mixing Drum for Fast Perfect Mixing
- Transmission - Extra Efficiency at no extra cos
- Housing - For Safety a Hopper - that Discharges tn Record Time
- Optimum Performance
- Minimum Maintenance
- Rust Resistant
- Easy to Handle
- Saves lot of time since mixer discharges right in to the hoist bucket

SPECIFICATION	3 BIN DIGITAL CONCRETE MIXER
Hopper Capacity 3 Bin (Dry)	300Kg
Batch Capacity (Wet)	0.125m³
Batch Time	2 min 30 Sec (Approx)
Machine Output/Hour *	3 - 3.5m³/hr
Power	6.5 H.P. DIESEL ENGINE
Weighing System (3 Bin)	Load Cell Based Weighing System with digital display Batch Controller
Water Dozing	Digital
Alternator	3KVA ,230 VOLTS,13.0
Hydraulic Pump	19 LPM GEAR PUMP @ 207 BAR
Gear Ring & Bevel Pinion	Accurately Machined With Gear Cutting Operation Supported by Heavy duty pinion
Wheels	BRAND NEW 500 X 19 PNEUMATIC TYRE & PRESSED STEEL PLATE RIMS – 4 NOS
Chemical Pump	0.37/0.5 kW/HP, 230 v,
Dimensions (Lxwxh)	2600 X 2300 X 2300 mm
Loading Hopper	HYDRAULIC OPERATED HEAVY DUTY POWER PACK
Drum Speed	19 RPM
Mixing Drum And Blades	MS 12 mm LOWER DRUM, 3.15 mm MS UPPER DRUM AND HEAVY DUTY MS BLADE

* Output calculated at 24 Batches per hour as per M 20 grade*

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REVERSIBLE DRUM BATCH MIX PLANT







Model : EX 1050E/D



Model : EX 1050 D

The Jaypee® Reversible Drum Mixer is recognized for its reliability in delivering high-quality output and for its maintenance-free operation. It is one of the most widely used machine tools in the industry. This type of concrete mixer features a revolving drum that allows for effective concreting.

Designed for robust construction, the reversible drum mixer is a well-engineered piece of machinery. It efficiently transports mixed mortar from the mixing area to the site where it will be poured. Additionally, it provides workers with sufficient time to mix the components before the concrete begins to harden.



Model : 850D



Model : EX 850E



Model : EX 1050E



Printing Normal

BENEFITS & FEATURES

- Uniform mixing achieved with accurate setting of mixing blades and drum rotation adhering to IS Specifications.
- Shutter vibrator on the discharge shoot avoids clogging of materials during discharge from the hopper.
- Four wheel set chassis for sturdy maneuverability.
- Imported Hydraulics for continuous performance.

Model	EX-850-E	EX-850-D	EX-1050-E	EX-1050-D
Hopper Capacity (Dry)	850 Kg	850 Kg	1100 Kg	1100 Kg
Batch Capacity (Wet)	0.35 m^3	0.35 m^3	0.4375 m^3	0.4375 m^3
Machine Output / Hour *	9 - 10 m^3/hr	9 - 10m^3/hr	10 - 12 m^3/hr	10 - 12 m^3/hr
Weighing Type	3 Bin	3 Bin	3 Bin	3 Bin
Water Dozing	Digital	Manual	Digital	Manual
Weighing System	Load Cell Based Weighing System with digital display Batch Controller			
Hydraulic Pump	19 lpm @ 210 bar	27 lpm @ 210 bar	19 lpm @ 210 bar	27 lpm @ 210 bar
Gear Ring & Roller	Accurately Machined With Gear Cutting Operation Supported by Heavy Duty Guide Rollers			
Wheels	Pneumatic Wheels (4Nos.) 6"X 16"	Pneumatic Wheels (4Nos.) 6"X 16"	Pneumatic Wheels (4Nos.) 6"X 16"	Pneumatic Wheels (4Nos.) 6"X 16"
Jack Leveling	Pin Type (4 Nos.)	Pin Type (4 Nos.)	Pin Type (4 Nos.)	Pin Type (4 Nos.)
Dimensions (L×W×H)	4000 X 1650 X 2700 mm	4100 X 2100 X 2800 mm	4690 X 1890 X 2900 mm	4600X 1890 X 2740 mm
Weight (approx.)	1830 Kg (approx.)	2200 Kg (approx.)	2280 Kg (approx.)	2650 Kg (approx.)
Special Attachment Fitted with Each Machine	A) Special Design Hopper Vibrator B) Centralized Lubricating System			
Optional Features	A) Printing System with USB B) Admixer Dozing C) With Conveyor System			

* Output calculated at 24 Batches per hour as per M 20 grade & Concrete i.e 1:1.5:3

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AUTOMATIC BATCHING PLANT (REVERSIBLE / PAN)

Automatic Batching Plant (ABP) by Jaypee® provides a cost effective complete concrete producing solution. The innovative design of the plant with PAN Mixer and also reversible type provides easy and low cost transportation and mobility for the complete unit. Automatic Batching Plants employ computer-aided control to assist in speedy, precise measurement of input elements as well as tie together the various parts and accessories for coordinated, secure performance for longer functional life.



1. Four bin feeder
2. Aggregate weighing conveyor
3. Cement weighing hopper
4. Water tank
5. Admix dosing weighing tank
6. Reversible mixer drum/pan mixer
7. Screw Conveyor
8. Air compressor
9. Electric control panel
10. Wheel for Mobility

BENEFITS & FEATURES

- High Mobility
- User Friendly
- Robust Design
- Large Capacity
- High Performance
- Heat Proof Control Cabin
- Hydraulic Discharge System
- Excellent Output with Low Maintenance Cost
- Innovative Modern Technology
- Automatic Plant that is Controlled by Computerized Techniques







Model	ABP-18R	ABP20P
Mixer Type	Reversible	Pan
Mixer Output	16 ~ 18 m^3/hr	18 ~ 20 m^3/hr
Batch Capacity	0.56 m^3	0.3 m^3
Batch Time	110 sec / batch	50 sec / batch
Power Transmission	15 HP Geared Motor	20 HP Geared Motor
Control System	Fully Automatic / Manual	Fully Automatic / Manual
Dry Capacity	1400 Kgs.	850 Ltr.
Drum RPM	20 rpm	32 rpm
Frame & Chassis	All Rigid Steel Structure	All Rigid Steel Structure
Gate Opening	Pneumatic Control	Pneumatic Control Pan Gate Open
Weighing System	Digital load cell based weighing system	Digital load cell based weighing system
Compressor	Powered by 3 HP motor	Powered by 3 HP motor
Control Panel	PLC based B&R control Panel with Pendrive for Batch Print	PLC based B&R control Panel with Pendrive for Batch Print
Screw Conveyor (Optional)	180 dia, 7 mtr. Length, powered by 7.5 HP motor 1000 kg	180 dia, 7 mtr. Length, powered by 7.5 HP motor 1000 kg

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AUTOMATIC BATCHING PLANT 25



Jaypee® ABP-30 & ABP-25 combines all ingredients like cement, sand, admixture & various other aggregates to produce uniform concrete mix. The final product is then transported to the job-site through ducts via concrete pumps and transit mixers. Our automatic batching plant provides concrete with remarkably good consistency and homogeneity. It has four compartments to hold sand and different grades of gravel. It has got a PAN-mixer, that is driven by a planetary gear-box, to mix cement brought through screw-conveyor and ad-mixture along with water from the storage facility at the top. The entire recipe can be monitored and controlled remotely. The load, on each hopper measures and detect input, and prompts the operator to determine whether to activate the control of stirring sand & gravel or start screw conveyor bringing fly-ash, cement to the PAN-mixer. Today's construction industry, increasingly requires consistency, homogeneity and short mixing times in industrial construction, giving our batching plant an edge over others in indegenity and longevity. ABP-30 & ABP-25 both are self loading and are suitable for construction sites where there are scarcity of labour & underfoot conditions are only suitable for earth-mover.





JAYPEE®
Construction Equipment Solutions

MODEL	ABP-25	ABP-30
MIXER TYPE	PAN	PAN
MIXER OUTPUT	22~25cu-ft	28~30cu-ft
BATCH CAPACITY	0.5M³	0.5M³
BATCH TIME	80 SEC/BATCH	60 SEC/BATCH
POWER TRANSMISSION	30HP GEARED MOTOR	30 HP GEARED MOTOR
DRY CAPACITY	750LTR	750 LTR
FRAME & CHASSIS	ALL RIGID STEEL STRUCTURE	ALL RIGID STEEL STRUCTURE
BIN GATE OPENING	PNEUMATIC CONTROLLED	PNEUMATIC CONTROLLED
	POWERED BY 3 HP COMPRESSOR	POWERED BY 3 HP COMPRESSOR
WEIGHING SYSTEM	DIGITAL LOAD CELL BASED	DIGITAL LOAD CELL BASED
	WEIGHING SYSTEM	WEIGHING SYSTEM
PAN GATE OPENING	POWERED BY 5HP MOTOR (HYDRAULIC OPERATED)	
SCREW CONVEYOR	LENGTH 12 M, 219mmø	LENGTH 12 M, 219mm ø
CONTROL PANEL	PLC BASED B&R CONTROL PANEL	PLC BASED B&R CONTROL PANEL
	WITH PRINTER FOR BATCH PRINT	WITH PRINTER FOR BATCH PRINT

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CONCRETE BOOM PLACER (HYDRAULIC & MANNUAL)





JHD-13

Jaypee® **Hydraulic Concrete Boom Placer** is an equipment that aids in delivering concrete through a chute to places that are inaccessible by any other machine.
It facilitates static concrete pumps to push the Concrete mixture to high rise buildings. With proper combination of engine power of the concrete pumps and efficient placement of displacement pipes, builders can reduce friction and eventually increase effectiveness of **Concrete Boom Placers.**

Strategic placement of self climbing **Hydraulic Concrete Boom Placers** are of paramount importance since the uplift capacity of static concrete-pumps have certain limitations. Placing Boom Placers at certain vantage points not only aid the pumps function optimally but also expedites the process. So it is always advisable to use Boom Placers for faster and more effective results.

The Jaypee® Hydraulic Concrete Boom Placers are easy to install, dismantle and transport thus giving it an edge over others. Its 3600 articulation capability ensures uniform distribution of concrete at the construction sites. Its robust built and tested hydraulics ensures its longevity and stringent quality check protocols determine better performance throughout.



	DESCRIPTION		UNITS	JHD-13	JM-13	
Performance	Max. Radius of Placing Boom		m	13	MANUAL	
	Max. Height of Working Reach		mm	15300		
	Slewing Range		deg	360 Max		
	Total Weight (without Counter-weight)		Kg/lb	2950 Kg /6503 lbs		
	Counter Weight		Kg/lb	1500 Kgs / 3306 lbs	Ballast Weight	1200kg/2650 lbs
	Weight Of Heaviest Component		Kg/lb	2125 Kgs / 4684 lbs	Boom Section Weight	1300kg/2900 lbs
	Electric Power		3-Phase	380 V / 460 V 50-60 Hz	Leg-section Assembly Weight	700kg/1540 lbs
Motor	Power		Kw	7.5 H.P. (5.625 Kw)		
Hydraulic System	System Pressure		MPa	28		
	Flow		Cm^2	8		
	Oil Tank Capacity		Ltrs	45		
	Controls			Cable remote Control		
				Radio remote Control		
	Section of Tubular Column (optional)		(mm x mm)	600 x 600 x 6000		
Boom	Boom Type			"R"		
	Delivery Pipeline Diameter		mm / inch	125 mm / 5 inch		
	Length of End Hose		mm / inch	3000 mm / 118 inch		
	1st Section	Length	mm / inch	5000 mm / 197 inch		
		Articulation	Deg	0-87°		
	2nd Section	Length	mm / inch	4000 mm / 157.5 inch		
		Articulation	Deg	0-180°		
	3rd Section	Length	mm / inch	4000 mm / 157.5 inch		
		Articulation	Deg	0-180°		
	4th Section	Length	mm / inch	--		
		Articulation	Deg	--		

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CONSTRUCTION HOIST

To serve the increasing demand for high-rise construction we offer the high speed VF hoist, with a Maximum lifting speed of 96m/min. A few salient features of these hoists are

FEATURES

- In single and in twin cage configuration.
- Innovative design and excellent comfort.
- Electric cabinet of stainless steel inside the cage.
- Dual entrance at base landing level is optional.
- Wide range of functions and optional equipment.
- High speed variable Frequency Hoist. Curved and Inclined hoist and Mini hoists.

- Adopts the most advanced VF speed control device and microcomputer programmable logic controller.
- Step-less speed control helps eliminate the concussion during start-up and braking, makes the operation steady and ensures automated levelling.
- Adopts open loop VF control; the speed precision can reach ± 2~3%. Realising the accurate low speed positioning of the hoist, thus avoiding slipping during downward stopping of the hoist.
- The VF system has current restriction function ensuring lower current in motor start-up and reduces the concussion to power supply. This reduces the energy consumption at site.
- The steadiness during operation, mitigates concussion to mechanical parts, reduces wears of rack, pinion and the brake, prolonging the life of these parts.
- The VF system also has the over voltage protection, low-voltage protection, over-current, overload and anti-stalling protection functions.







TYPE	PMH 100 /100		PMH 150 /150		PMH 200 / 200		PMH 250 /250	
	Single	Double	Single	Double	Single	Double	Single	Double
Loading Capacity	700 KGS	2x700 KGS	1200 KGS	2x1200 KGS	1500 KGS	2x1500 KGS	2000 KGS	2x2000 KGS
Speed	0 - 36 M/MIN 0 - 60 M/MIN							
Cage Size (LxWxH)	1.8x1.1x2.3 Mtr (External)		2.4x1.2x2.3 Mtr (External)		2.8x1.2x2.3 Mtr (External)		3.2x1.5x2.5 Mtr (External)	
Safety Device	JAS 30-1.2 (M5)				JAS 40-1.2 (M5)		JAS 40-1.2 (M8)	
Mast Section	450 x 450 x 1508 mm						650 x 650 x 1508 mm	
Weight With Rack & Mast Section (approx.)	77 KGS	93 KGS	77 KGS	93 KGS	77 KGS	93 KGS	112 KGS	137 KGS
Rack Module	5		5		5		8	

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MATERIAL HOIST

The material hoist from Jaypee® is beneficial for contractors looking for a single piece of equipment for both man and material handling, providing easy transport to vertical heights in high-rise buildings.

FEATURES

- Electromagnetic Brake Motor
- Top & Bottom Stopper Limit Switch
- Extreme Up & Down Speed Control Limit Switch
- Safe Travel Limit Switch
- Cage Door Electrical Interlocking
- Wireless Remote Operating Facility

Jaypee® is a leading material hoist manufacturer having expert engineers of this company to understand the varied requirements of site contractors and hence manufacture several kinds of material hoists to suit the unique site requirements.

- 1-2 ton loading capacity
- 30-36 m/min lifting speed
- 300 meters maximum height

These material hoists from Jaypee® are cost effective with low energy consuming geared motors. Along with self erecting mechanism, these material hoists are equipped with several safety devices to ensure less material wastage and complete safety of the crew.

Material hoist from Jaypee®, the leading hoist supplier from India, also come with additional attachments which enhance the performance of this essential construction equipment. The optional attachments like overload limiter reduces manual error of loading excess materials or crew.







Model	JMH 100	JMH 150	JMH 200
Loading Capacity	700 Kg (1 Ton)	1000 Kg (1.5 Ton)	2000 Kg (2 Ton)
Max Height	150 Mtr.	300 Mtr.	450 Mtr.
Cage Size (L x B x H)	1600 × 1000 × 2000 mm	1800 × 1000 × 2100 mm	2000 × 1200 × 2000 mm
Lifting Speed	36 M / min.	36 M / min.	36 M / min.
Travel Type	Rack & Pinion	Rack & Pinion	Rack & Pinion
Power Transmission	Geared Motor	Geared Motor	Geared Motor
Cage, Mast & Wall Ties	Electro Galvanized		
Self Erecting Mechanism	Included	Included	Included
	Electromagnetic Brake Motor	Electromagnetic Brake Motor	Electromagnetic Brake Motor
Safety Features	Centrifugal Freefall Arrester	Centrifugal Freefall Arrester	Centrifugal Freefall Arrester
	Top & Bottom Stopper Limit Switch	Top & Bottom Stopper Limit Switch	Top & Bottom Stopper Limit Switch
	Travel Limit Switch	Travel Limit Switch	Travel Limit Switch
	Cage Door Electrical Interlocking	Cage Door Electrical Interlocking	Cage Door Electrical Interlocking
	Overload Safety	Overload Safety	Overload Safety
Optional Attatchment	Concrete Bucket - 0.4 cu/-1 ton	Concrete Bucket - 0.4 cu/-1 ton	Concrete Bucket - 0.4 cu/-1 ton
	Horizontal Rebar Attachment upto 6 Mtr. long	Horizontal Rebar Attachment upto 6 Mtr. long	Horizontal Rebar Attachment upto 6 Mtr. long
Optional Features	FC Drive	FC Drive	FC Drive

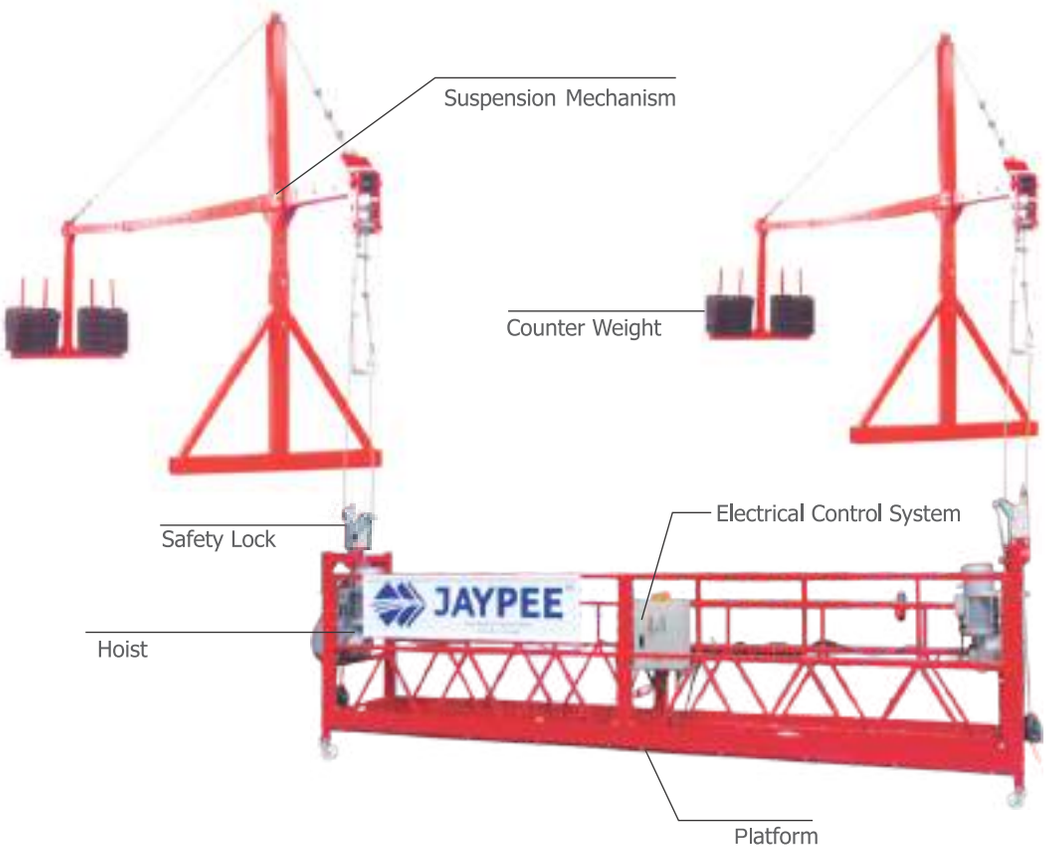
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ROPE SUSPENDED PLATFORM HOIST

Jaypee® now brings to India the most advanced suspended platform hoist. With features like safety lock model, advanced Electrical control system with anti-tilting, rope break, high quality steel wire rope and optional overload sensor. Also referred to as Gondola, these hoists are used for maintenance and decoration of the outer parts of high rise buildings. A suspended platform hoist can also be described as a temporary structure attached to the building for alteration and demolition of the construction.

FEATURES

- Anti-tilting Safety lock for rope breakage.
- Electrical control system.
- High quality steel wire rope.
- Optional overload sensor.
- 3-8 degree cable locking angle.
- Advanced suspension mechanism.





APPLICATION

- Decoration and construction for the external wall of high rise buildings, installing curtain wall and exterior components
- Repairing, checking, maintenance and cleaning for the external wall of the high-rise buildings
- Installing billboard and signage on high rise buildings
- Welding, cleaning and painting for large ships





Model	RSPH-1000	RSPH-1000 (S)
Configuration	Suspended Type	Suspended Type
Safety Configuration	Anti Tilting	Anti Tilting
Speed	8 -10 m/min	8 -10 m/min
Rated Capacity	1000 Kgs	1000 Kgs
Safe Capacity	800 Kgs	900 Kgs
Rated Power	1.8 kw x 2	2.2 kw x 2
Locking Cable Angle	3°~8°	3°~8°
Suspension Mechanism	425 Kgs	425 Kgs
Counter Weight	1000 Kgs	1000 Kgs
Optional Accessories	Load Display / Over load Cut-Off (Load Cell)	
Platform Length	7.5 mtr	
Platform Width	610 mm / 510 mm	

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MULTI-FUNCTION TOWER HOIST

Latest in hoisting solutions by Jaypee® the MFH series is a multi-functional equipment for all your hoisting needs. The hoist can be used for carrying concrete and also finishing materials such tiles, fittings etc. With an optional rebar carrying attachment, users can now eliminate the need for installation of tower cranes at site.



FEATURES

- Controlled lowering
- Broken rope safety device / emergancy brake
- Upper and lower travel limit switches
- Slack rope limit switch
- Phase failure / Reversal protection
- Emergency stop Switch
- Drive motor thermal overload protection



APPLICATION

- Used in Construction sites.
- Used to carry materials such tiles, fittings etc.
- Used to carry labors.
- Also used to carry rebar attachment.



Model	METH-100	METH-150
Capacity	1000 Kgs	1500 Kgs
Safe Capacity	750Kgs	a)1200 Kgs. upto 80 Mtr. Height
		b)750 Kgs, upto 120Mtr. Height
Max Travel Height	Upto 80 Mtr	Upto 120 Mtr
Cage Size (L x B x H)	900 X 800 X 600 MM	1200 X 900 X 600 MM
Lifting Speed	30 meters/ min	30 meters/ min
Travel Type	Wire Rope	Wire Rope
Motor Make	**JAYPEE**® verified with **EMCO** brake **100 NM**	**JAYPEE**® verified with **EMCO** brake **100 NM**
Motor power	10 HP (7.5 Kw)	12.5 HP (9.3 Kw)
Transmission	Heavy Duty Wire Rope Winch	Heavy Duty Wire Rope Winch
Self-Erecting Mechanism	Included	Included
Safety Features	Eccentric Gripping Brake	Eccentric Gripping Brake
	Digital phase preventer which has 3 phases and neutral facility. In display you can see voltage also.	Digital phase preventer which has 3 phases and neutral facility. In display you can see voltage also.
	Lower & Upper Limit Switch	Lower & Upper Limit Switch
Wire Rope Dia	10mm (Usha Martin)	12mm (Usha Martin)
Optional Attachment	Horizontal Rebar Attachment 6 meter upto 500Kg.	Horizontal Rebar Attachment 6 meter upto 500Kg.
Optional Features	FC Drive	FC Drive
	Concrete Bucket Attachment	Concrete Bucket Attachment
	Load cell	Load cell
	VFD & DBR	VFD & DBR

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BUILDER HOIST

Jaypee® Builder hoist is specially designed to lift material to various heights at Construction Sites.

Most of the structure is fabricated in 3m length for easy transportation and assembling at site. With the use of high quality fabrication and anti twisting straightened steel, the mast sections are built for a longer life span.

Jaypee® has successfully erected a 2 ton winch upto a height of 140mts.

FEATURES

- Diesel Engine or Electric Motor Drive
- Extra capacity winch for greater safety aspects
- Drive through Fraction rollers
- Safety braking device





JAYPEE®
Construction Equipment Solutions

Model	BH - 1000 E	BH - 1000 D	BH - 2000 E
Capacity	1 Ton	1 Ton	2 Ton
Material Carrying Capacity	750 Kg	750 Kg	1500 Kg
Mast Type	Square Mast	Square Mast	Square Mast
Wire Rope	10 mm, 6 Core Steel Wire	10 mm, 6 Core Steel Wire	12 mm, 6 Core Steel Wire
Trolley	Heavy Duty MS Channel with Guide Rollers	Heavy Duty MS Channel with Guide Rollers	Heavy Duty MS Channel with Guide Rollers
Bucket Volume	0.3 m^3	0.3 m^3	0.4 m^3
Maximum Working Height	40 m	40 m	50 m
Power Rating	10 HP Electric Motor	10 HP Diesel Engine	15 HP Electric Motor

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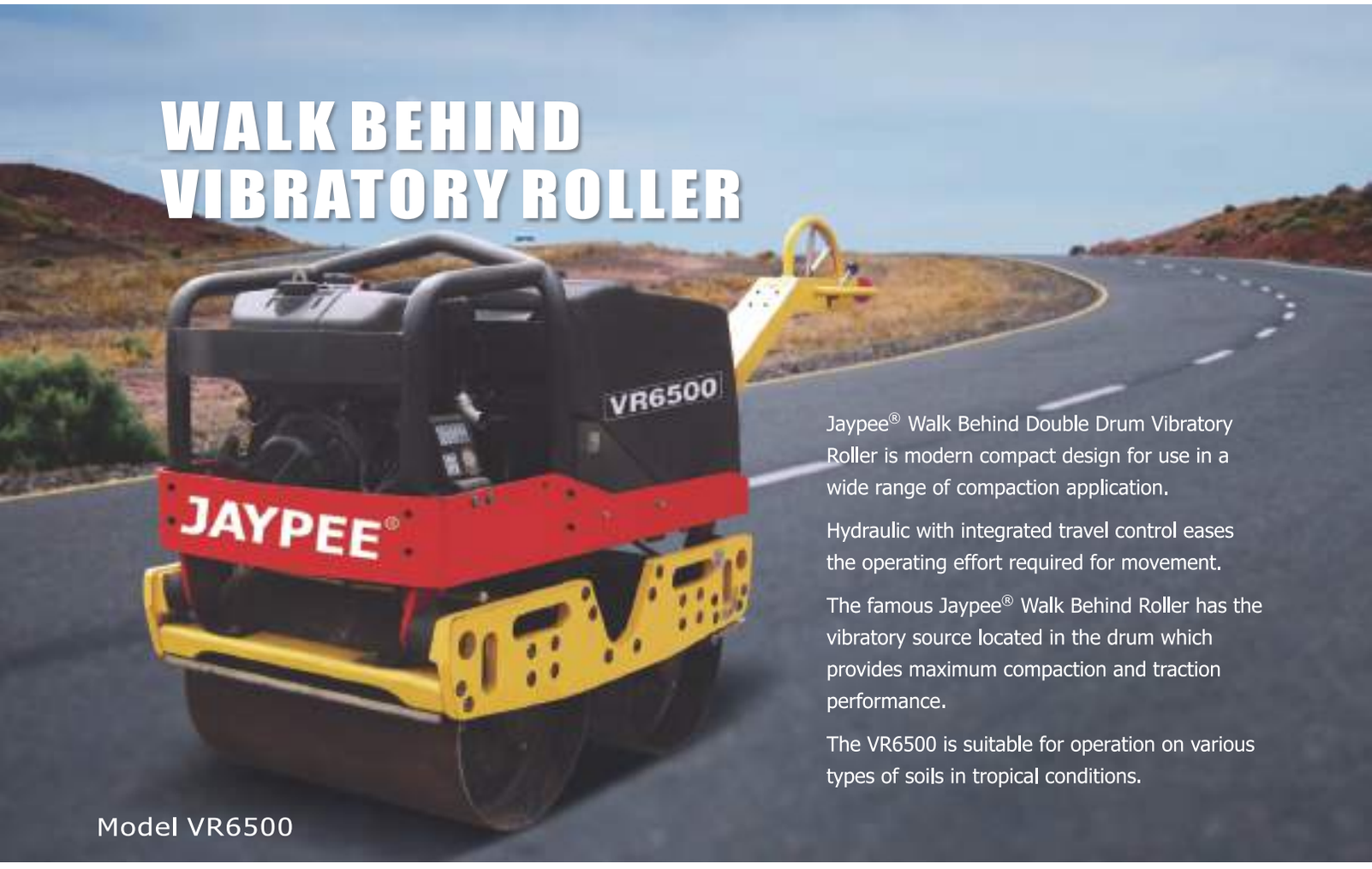
APPLICATION

- Used in Construction sites.
- Used to carry materials.
- Used to lift material to various heights at construction sites.





WALK BEHIND VIBRATORY ROLLER



Model VR6500

Jaypee® Walk Behind Double Drum Vibratory Roller is modern compact design for use in a wide range of compaction application.

Hydraulic with integrated travel control eases the operating effort required for movement.

The famous Jaypee® Walk Behind Roller has the vibratory source located in the drum which provides maximum compaction and traction performance.

The VR6500 is suitable for operation on various types of soils in tropical conditions.

Model	VR 6500	VR 6000	VR 3000
Dimensions			
Drum width	650 mm	600 mm	600 mm
Width	730 mm	800 mm	760 mm
Height	1,060 mm	1,700 mm	1050
Length	2,550 mm	2,400 mm	1550 mm
Masses			
Net mass	712 kg	530 kg	300 kg
Operating mass (CE)	763 kg	575 kg	350 kg
Traction			
Theor. grade ability	35%	30%	20%
Static linear load	5.50 kg/cm	5kg /cm	4.5 kg/cm
Speed forward	3.70 km/h	0 - 4 km/h	2.78 km/h
Speed reverse	2.40 km/h	0 - 3 km/h	1.98 km/h
Vibration frequency	61 Hz	75 Hz	32 Hz
Nominal amplitude	0.45 mm		0.35 mm
Centrifugal force	21 kN	20 kN	14 kN
Engine			
Manufacturer	Kohler / Greaves	Kohler	Greaves
Type	15LD441 (4 stroke)	15LD441 (4 stroke)	5520
Fuel	Diesel	Diesel	Diesel
Rated Power	5.6 kW / 7.5 HP	7 kW	3.7 kW / 5 HP
RPM	2600 rpm	3600 rpm	3600 rpm
Fuel consumption/h	1.35 Ltr.	1.50 Ltr.	1 ltr.
Fuel tank capacity	5 Ltr.	5 Ltr.	5 Ltr.
Starting System		Self-Starting Auto charge	
Hydraulic system			
Driving	Fully hydraulic	Hydraulic Control	Hydraulic Control
Sprinkler system			
Tank capacity	65 ltr.	45 Ltr.	16 Ltr.
Type of sprinkling	Gravity	Gravity	Gravity

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MODEL VR-6500



MODEL VR-6000

Benefits & Features

- Infinitely variable Speed Control
- Mechanical Vibration Drive
- Water Sprinkler System Drum Scrappers
- Mechanical Vibration control
- High Gradient Capacity

Optional Features

- Electrically operated
- Self Starting arrangements

APPLICATION AREAS

- Construction and repairing of roads
- Pavements
- Compaction canals
- Embankments
- Private roads
- Hilly terrains with sharp bends
- Culverts



MODEL VR-3000

PLATE COMPACTOR



Jaypee® VC 25 Plate Compactor is a unique compaction machine which produces repetitive impact on soil, built robustly with extra thick base plate having travel speed of 20m/min.

Our compactors come with infinitely variable forward and reverse speed on a diesel engine.

Also available with electric motor.

BENEFITS & FEATURES

- As per IS : 5889 : 1970
- Model Mark VC-10 Compaction capacity 1 to 2 Tons powered by Villers / Greaves MK-12 Petrol/Kerosene
- Engine or 2 H.P. 440 Volt Electric Motor
- Model Mark VC-20 Compaction capacity 3 to 4 Tons powered by 3.4 H.P. Villers/Greaves
- MK-25 Petrol, Petrol/Kerosene
- Engine or with 3 H.P. 440/50/3 A.C. Electric Motor
- Model Mark VC-25 powered by 4.4 H.P. Greaves Model 520 Diesel Engine or with 5 H.P. 440/50/3 A.C. Electric Motor





JAYPEE®
Construction Equipment Solutions

TECHNICAL SPECIFICATION FOR VIBRATING EARTH RAMMER MODEL VC-25	
Impact force upto (approx)	3500 kgs
Vibration frequency	50 Hz
Depth effect (depending on type of soil)	16 inch
Travel speed (depending on type of soil)	upto 20 M/min
Gradient capability	upto 20%
Compacting plate size	650 mm × 490 mm
Working area	5500 sq.ft./hr
Direction of travel	forward
*Powered by 5 H.P. Crompton Greaves electric motor	
*Powered by 5 H.P. Air Cooled Diesel Engine of 3000 RPM	

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JAYPEE®
Construction Equipment Solutions

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