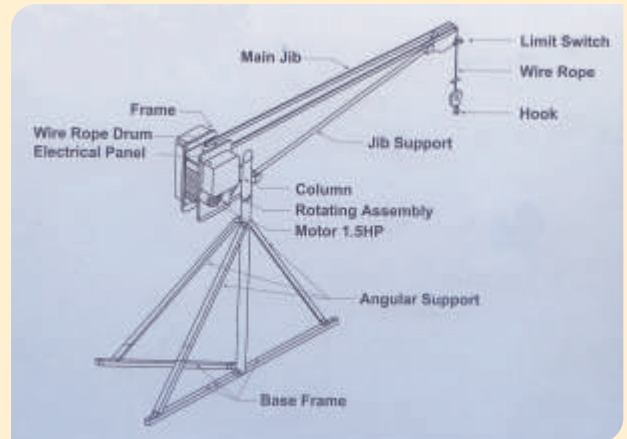


Mini Crane



- The only crane with 500 kg lifting capacity
- Italian Design, 1st time in INDIA
- More than 300 cranes already in use
- Fully indigenised, tested & proven product
- Localised service
- Safety features like limit switch, auto stop, Electro Magnetic brakes, 1phase preventor



Technical Specification

Description	MC 50	MC 50H
Maximum Lifting Capacity	500 kg.	500 kg.
Wire rope (non twisting) diameter	8 mm	8 mm
Wire rope length	60 mtrs.	125 mtrs
Motor power	3 HP	5 HP
Voltage	440 V	440 V
Rotation of head assembly	360°	360°
Up & down speed	12 mtr per min.	18 mtr per min.
Boom length / reach	1400 mm	1400 mm

Cost Justification

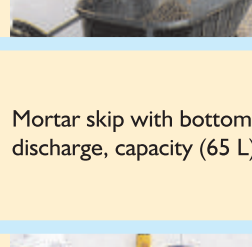
	Machine	Man
Load capacity	500 Kg	50 Kg.
Lifting Height	100 ft. / 30 mtr.	100 ft / 30 mtr.
Cycle Time	10 min.	30 min.
Cycle Per Hour	6 cycles	2 cycles
Per Hour Output	3000 Kg	100 Kg
Per Day / 8 Hours Output	24,000 Kg	800 Kg
Power Required	3 Phase, 3 HP	N.A.
Requirements per day	1 Crane + 2 Labours	18 Labours
Operation Cost	Capital + Power + Labour Rs. 1,00,000/- 300 days = Rs. 333/- per day + Rs. 100/- for elec. Power + Rs. 400/- for 2 Labour	Rs. 200/- per day *
	Rs. 833/- per day	Rs. 3600/- per day
Cost per month (25 work days) for shifting 2.5 Ton material / day	Rs. 20,825/-	Rs. 90,000/-

Payback period for Crane assumed here is **JUST 1 Year**

Applications



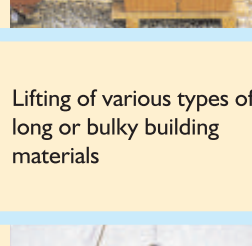
▶▶ Tipping container with locking mechanism, capacity (35 L) & (65 L)



▶▶ Mortar skip with bottom discharge, capacity (65 L)



▶▶ Brick cage, inside dimensions 62x32x50 cm, with pallet and practical cage locking mechanism



▶▶ Lifting of various types of long or bulky building materials



▶▶ Adjustable board pick-up frame, for lifting Ply, Glass, Boards, Panels

Bar Cutting / Bending Machines

Bar Cutting Machines

The main body of the Shearing Machine is made through special fabrication with the help of MIG welding and duly stress relieved in Bogy Hearth furnace with proper clamping. Wherever the stresses are higher, adequate stiffeners have been provided. The Cutting Blades are made from **special alloy steel** and also hardened and toughened to cut both small and higher dia. of steel within rated **capacity**.

Model	R.P.M (Machine)	Motor (H.P.)	kg/mm ² 45			kg/mm ² 65			kg/mm ² 80			Dimensions	Weight
			1	2	3	1	2	3	1	2	3		
BC30	115	3	30	24	18	26	22	14	22	20	12	86x51xh71cm	270kg
BC32	95	3	32	26	20	28	22	16	26	22	14	94x61xh82cm	350kg
BC36	90	4	36	30	20	30	24	18	28	24	16	105x61xh82cm	450kg
BC42	90	5	42	34	26	36	28	22	34	26	20	118x71xh87cm	660kg
BC52	40	5.5	52	40	30	44	32	24	40	30	22	130x71xh92cm	730kg
Bc55	40	5.5	55	42	32	46	34	26	42	28	22	130x91xh92cm	750kg



Safety Protection



Anti-repeating system



Cover-blade protection



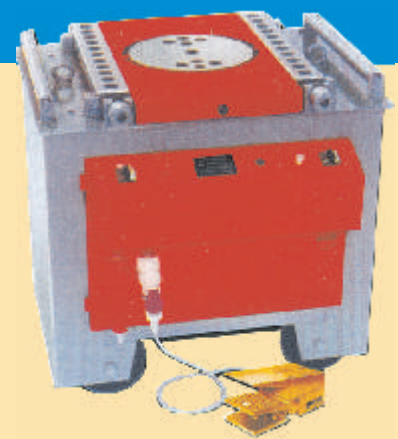
Magneto thermal switch



Stop system cover-blade for combi machines

Bar Bending Machines

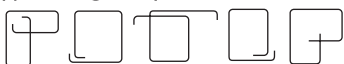
Model	R.P.M (Machine)	Motor (H.P.)	kg/mm ² 45			kg/mm ² 65			kg/mm ² 80			Dimensions	Weight
			1	2	3	1	2	3	1	2	3		
BB30	10	3	30	24	18	26	20	16	24	18	14	86x81xh85cm	310kg
BB32	9	3	32	26	20	28	22	18	26	20	16	84x83xh85cm	350kg
BB36	9	4	36	26	22	32	24	18	30	22	16	86x85xh85cm	400kg
BB42	6	5	42	30	26	36	28	24	34	26	22	90x86xh89cm	600kg
BB52	6	5.5	52	36	30	46	34	26	42	32	24	95x91xh89cm	640kg
Bb55	5.5	5.5	55	32	28	48	36	24	44	34	26	140x95xh93cm	770kg



Standard Equipment

Example of Stirrups Bending Process

Type of angle only and different bends



Different angles and 5 bends



Different angles & 9 bends



Different angles and 6 bends



Pins, bushes, checking block and foot remote control are standard tools on any machines according to their sizes

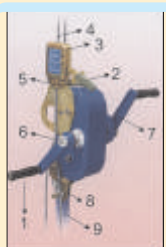
Gondola / Hanging Cradle / Work Platform



Advantage over Conventional Methods

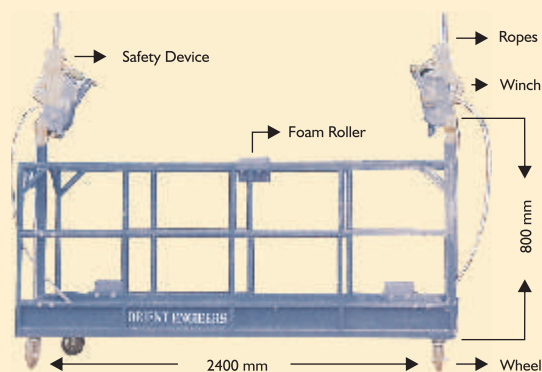
- You may work at facades and walls at low costs irrespective of the building height
- The platform provides ample space for persons and material
- The working height can be adjusted to the centimeter, which ensure the ergonomically best working position
- Corner sections and angles are used to easily adjust the platform to the different building shapes
- The galvanised roof jibs are quickly assembled and disassembled by means of connectors. The components can easily be transported by one person
- For odd jobs, special systems of suspension are available
- The roof jibs can have adjustable front projection which may enable work in front of balconies / architectural projections

Manuel Gondola



Winch & Safety Device

1. Going Up / Down Handle
2. Lever to allow the descent
3. Safety device
4. Safety cable inlet into the Safety device
5. Cable inlet into the winch
6. Retaining latch
7. Going up handle
8. Cable outlet off the winch
9. Screw for coupling to the scaffold



Electric Gondola

Basic version of Electric operated working platform-3meter & more consists of -

- 2 Drive units (440 V/AC) complete with Electro-magnetic brake, Safety Device (in case of main winch rope failure)
- Overload protection & limited switches
- 2 nos of Roof Brackets
- 4 nos of Ropes
- 1 no. Electric control panel with pedant switch in Platform Trolley
- Trolley with foam rollers
- Expandable systems up to 4800 mm or 7200 mm width also available

Customisation - Rail mounted or Davit socket type or projected bracket mounted monorail type systems can be designed specially

Roof Brackets



Applications



Power Tools, Accessories, Spares & Repairs

Demolition Breakers



Core Cutters



Saws



Drill Machines



Angle Grinders / Sanders



Cordless / Battery Tools



Garden Tools



Stone / Wood Cutters



BOSCH

HITACHI

DEWALT

ELECTREX

BLACK&DECKER

Accessories



TTW Buildex



Roofing Screws

fischer
Fixing Systems



Plastic Plugs

Chemical Grouting

Metal Anchors

Wall Chasing Machine



Lightning Protection



The World Leader pioneering the microprocessor based Patented technology



Assured Protection from Lightning Strikes during rains and thunder storms



Technical Data

Electrical:

Motor	: Single phase
Voltage	: 220 - 240V - AC
Current at full load	: 3 - 5 Amp.
Power watt	: 2000 W
Frequency	: 50 / 60 Hz

Dimensions:

Weight	: 7.5 Kg
Cutting depth	: 25/30/35/45 mm.
Cutting width	: 15/25/30 mm.
Cutter speed	: 1,000 r.p.m.

Materials:

Body	: Cast Aluminum
Handle	: Nylon
Cutter teeth	: Tungsten Carbide

Type of Brick	Cutting time/mtr.	Cutter Life*
Solid Brick	@ 1 min	3.5 Km
Airted concrete Block	@ 30 sec.	5 Km
Hollow Block	@ 30 sec.	5 Km.
Cement Wall	@ 2 min.	2.5-3 Km.

*Depends upon hardness of brick / wall



Not just ideas, Solutions too

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