

**MagTECH**  
ASSOCIATES

SINCE 1996

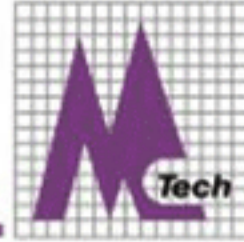
**Manufacturing Magnetic Products  
as per Client's Requirements**

## Magtech Associates

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- **Magnetic Lifters for Material Handling**
- **Magnetic De-Stacker for Sheet Separation**
- **Magnetic Chucks for Grinding & Milling Operation**
- **Demagnetizing System for Removing Residual Magnetism**
- **Magnetic Separator System for Removing Ferrous Contamination**



**MagTECH**  
**A S S O C I A T E S**

Gat No. 680, Kudalwadi, Chikhali, Pune - 412114.  
Tel. (020) 2749 09 53,  
Mobile No. : 09850 08 69 39, 09422 51 86 31

Dear Sir,

We are pleased to introduce ourselves as one of the leading company engaged in manufacturing quality magnetic products which are required in Automobile industries, Forging industries, Heavy Fabrication industries, Plastic industries Marine industries, Textile industries, Chemical industries also.

For the last seventeen years, we are manufacturing various types of magnetic products and have experience of more than three decades in the same. So far we have been successful in providing solution to number of reputed limited organizations on the basis of our knowledge, experience, sincere efforts and adopting upgrade technology.

The products manufacturing by us are commonly used in following applications:

- **Material handling -----Magnetic Lifters**
- **Separation of sheets.-----Magnetic De- Stackers**
- **Separation of metal contamination---Magnetic Separators**
- **Grinding & Milling operation----Magnetic chucks**
- **Elimination of residual magnetism---Demagnetizers**
- **Products as per Client's requirements.**

We are pleased to forwarding our catalogue, which contains overall description of products with it's application for your ready reference.

We do hope that you will definitely give us an opportunity to serve you with built long lasting and mutually beneficial business relationship.

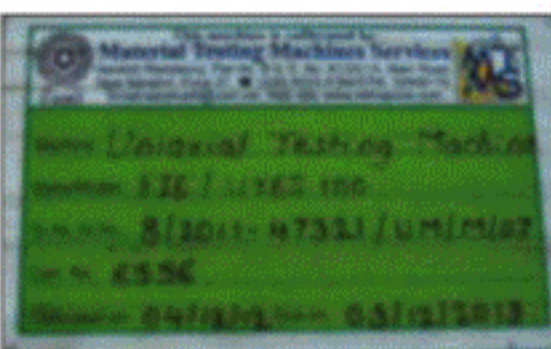
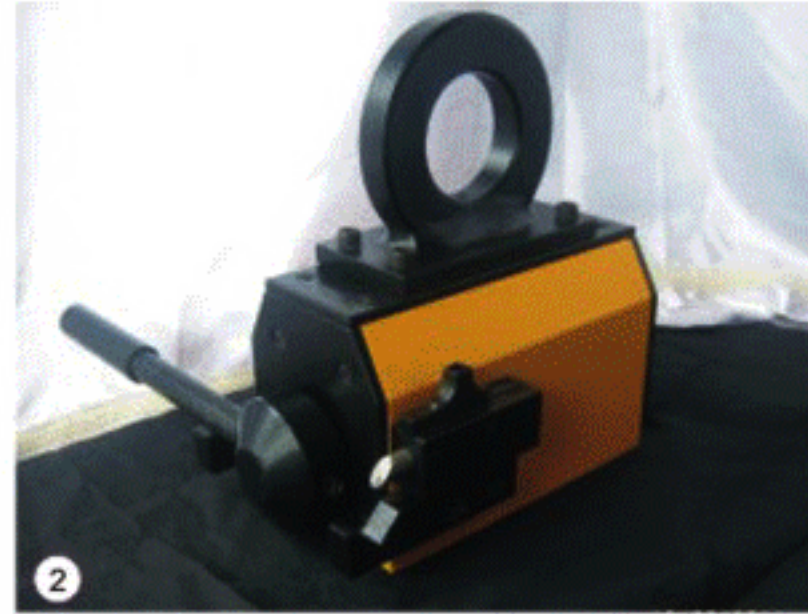
Thanking you,

With best regards

For **Magtech Associates**

S. P. Naik & Yogesh Naik

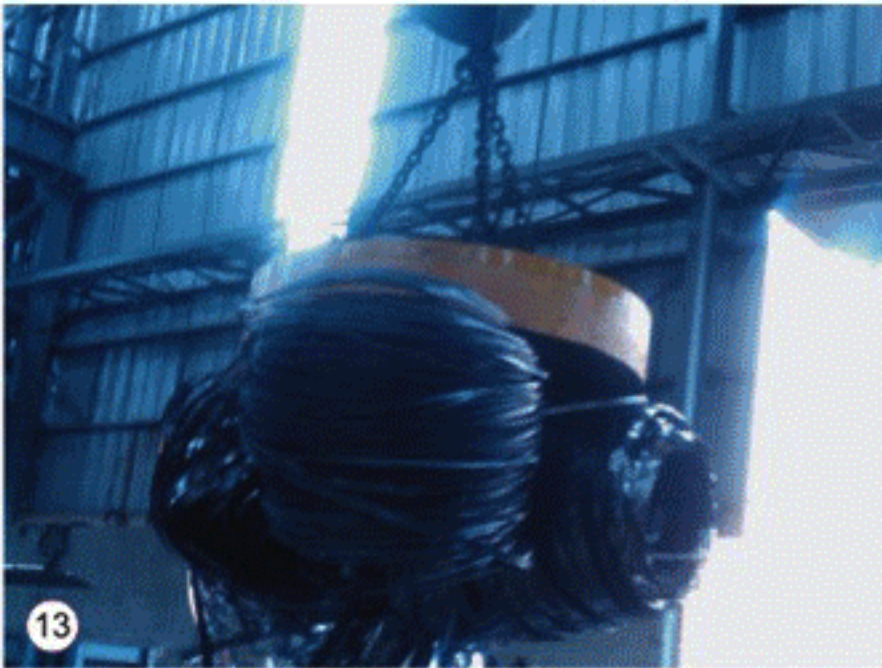
**Permanent magnetic Lifter** is a device, which consist of permanent magnets. It used for material handling. This device is energized and de-energized (ON-OFF) by simply turn of lever (Handle). No external power supply is required for operating it. We provide three times factor of safety in it, which means, if lifter is recommended for 100 Kgs weight lifting capacity it has been tested for 300 kgs lifting capacity. Consider 40% lifting force (recommended capacity) while lifting round job due to its line contact. For 100% lifting force (recommended capacity) while lifting flat surface job. The following photograph can explain the product & its utilization briefly.



Code No.	Size (In mm) L x W x H	Lifting Capacity	Self Weight
010-01-08	125 x 90 x 90	100 kg.	8 kgs Approx
010-01-01	160x 100 x 135	300 kg.	16 kgs Approx
010-01-11	220 x 125 x 135	500 kg.	28 kgs Approx
010-01-05	305 x 125 x 180	1000 kg..	55 kgs Approx
010-01-06	450 x 130 x 180	1500 kg.	85 kgs Approx
010-01-23	600 x 145 x 220	2000 kg.	150 kgs Approx

All lifters are load tested on Universal Testing Machine

This special type of **Electromagnetic Lifter** is specially design for SCRAP LIFTING. This device is required continues D.C. power supply for energized (ON). The effectiveness of lifting is depends on the contact surface of scrap. The following photograph can explain the product & its utilization briefly.



Operating Pendent

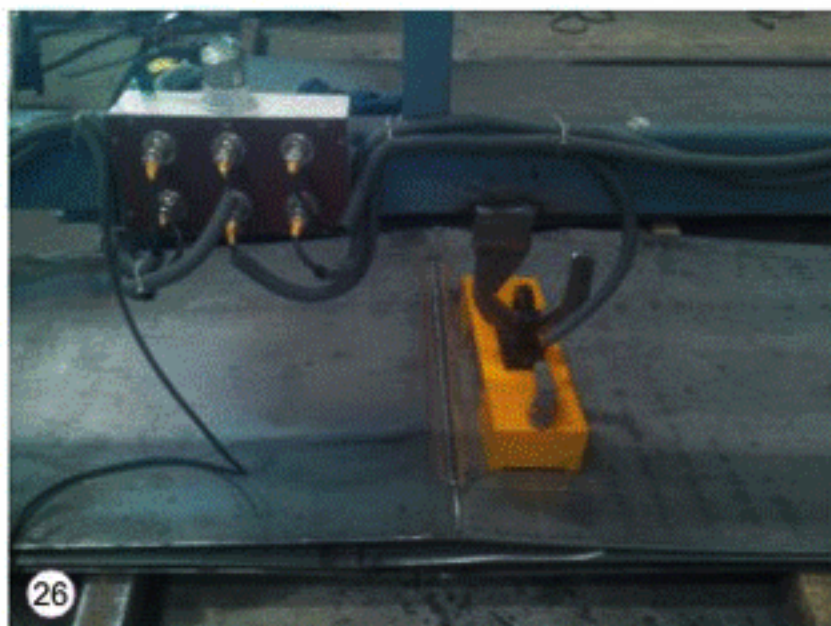


Control Panel



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This special type of Electromagnetic Lifter is used especially for **PLATE LIFTING**. This device is required continuous D.C. power supply for energized (ON). The effectiveness of lifting is dependent on the plate size (area of plate) hence as per plate size multiple lifters are required; We provide three times factor of safety in it, which means, if lifter is recommended for 100 Kgs weight lifting capacity it has been tested for 300 kgs lifting capacity. The following photograph can explain the product & its utilization briefly.



**Electromagnetic Lifter** is a device used for material handling. This device is required continuous D.C. power supply for energized (ON) battery backup facility available for failsafe only. We provide three times factor of safety in it, which means, if lifter is recommended for 100 Kgs weight lifting capacity it has been tested for 300 kgs lifting capacity. Consider 40% lifting force (recommended Cap.) while lifting round job due to its line contact. For 100% lifting force (recommended Cap.) while lifting flat surface job.



## Permanent Magnetic Plate Lifter

This special type of **Permanent Magnetic Lifter** is especially used for PLATE LIFTING. This device is energized and de-energized (ON-OFF) by simply turn of TWO LEVERS (Handles). No external power supply is required for operating it. The effectiveness of lifting is varies as per plate size (area of plate). Hence multiple lifters are required as per plate size. The following photograph can explain the product & its utilization briefly. We provide three times factor of safety in it, which means, if lifter is recommended for 100 Kgs weight lifting capacity it has been tested for 300 kgs lifting capacity.



## Electro Permanent magnetic Plate Lifter

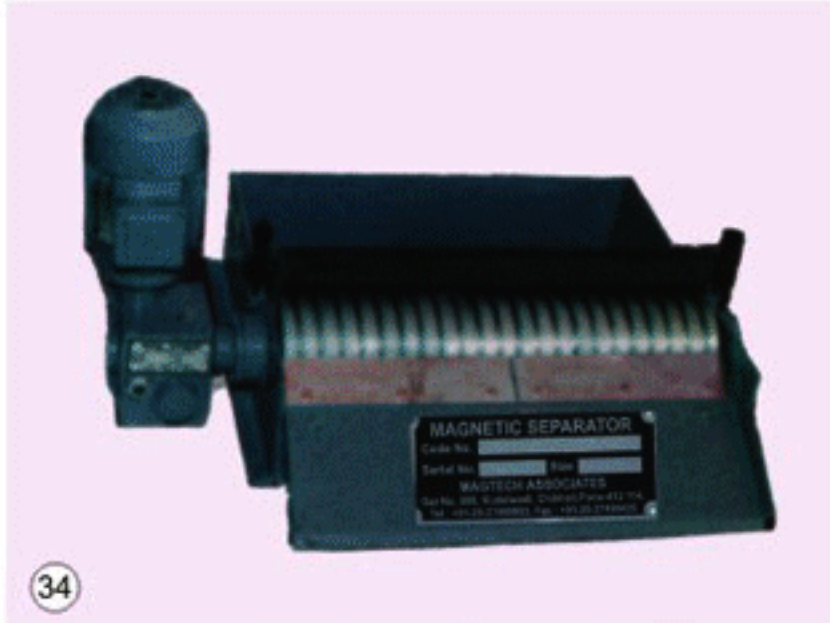
**Electro Permanent Magnetic Lifter** is a device used for material handling. A special feature of such a kind of lifter is its required External Power supply for Energized and De-energized (ON -OFF) purpose only. Hence, continuous power supply is not required during the operation, that surely help to save energy with 100% safety.

We provide three times factor of safety in it, which means, if lifter is recommended for 100 Kgs. weight lifting capacity it has been tested for 300 kgs. lifting capacity. Consider 40% lifting force (recommended Cap.) while lifting round job due to its line contact. For 100% lifting force (recommended Cap.) while lifting flat surface job. The following photograph can explain the product & its utilization briefly.

For operating this Lifter required Thyrester Control Impulse Unit



**Coolant/ Oil separator** are specially design for machine coolant and oil. It is used for manufacturing process so that big quantum of ferrous and nonferrous particles are mixed with oil and coolant., this oil and coolant can be RE-UTILIZED after cleaning it by using Magnetic Coolant /Oil separator . It's available in Two Types one is manually operated and another is electrically operated magnetic drums. Sizes and shapes are varies according to the application. The following photograph can explain the product & its utilization briefly.



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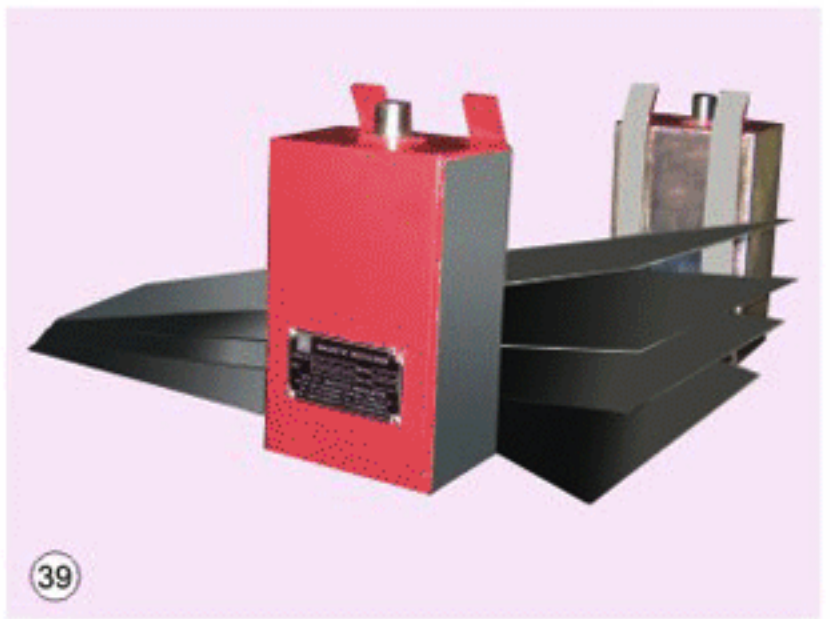


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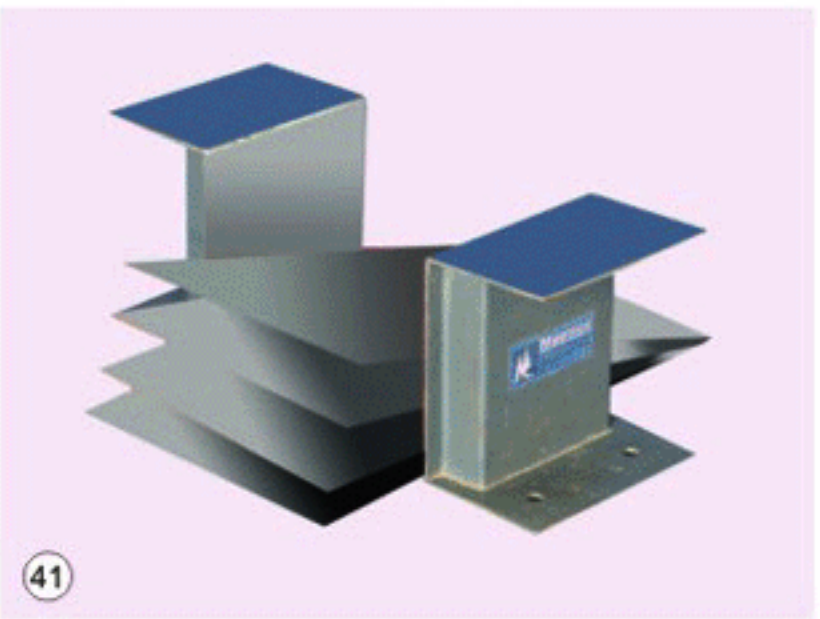
**Magnetic Sheet Separator** are used for separation of single sheet from stack, these sheets are separated one –by-one from top to bottom. It saves energy and increasing productivity. This separator can be design as per sheet size and stack height.It's also suit for Robotic Sheet Conveying System so that single sheet can be lifted by Robot and it avoid depositing two sheets at a time in Press Die. It is also suit for manually operation so that press operator can easily pickup one sheet at a time The following photograph can explain the product & its utilization briefly.



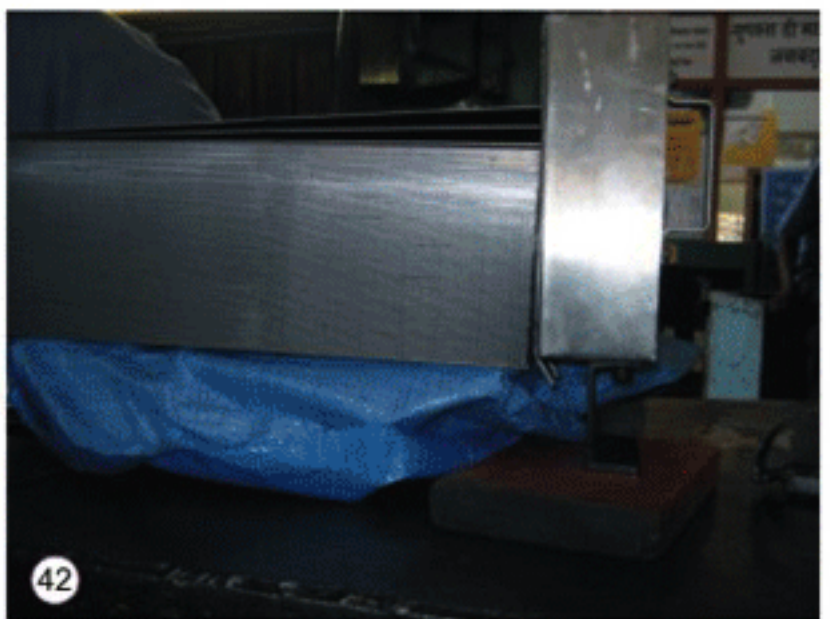
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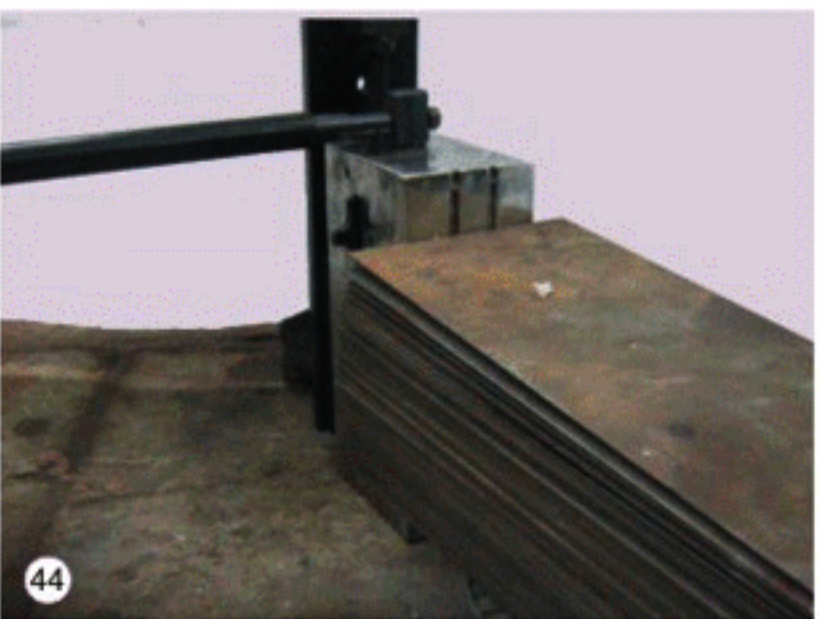
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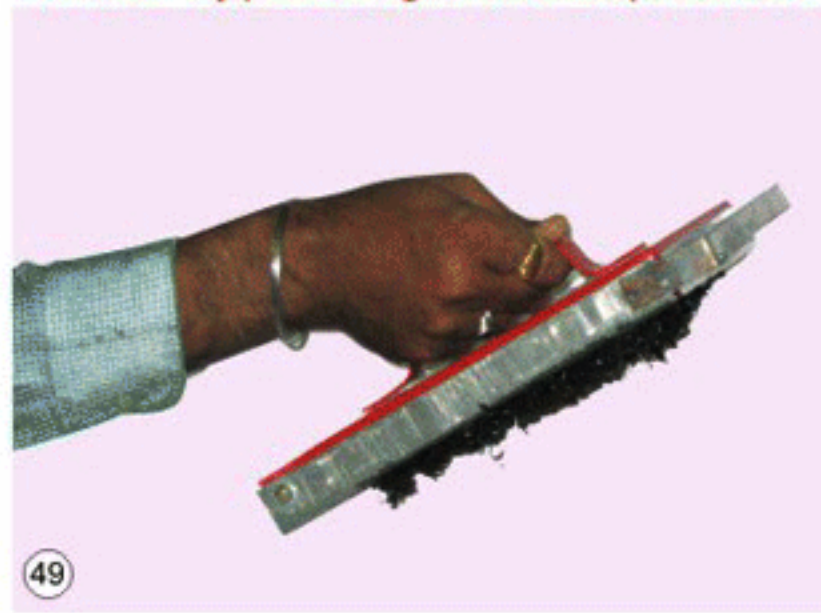
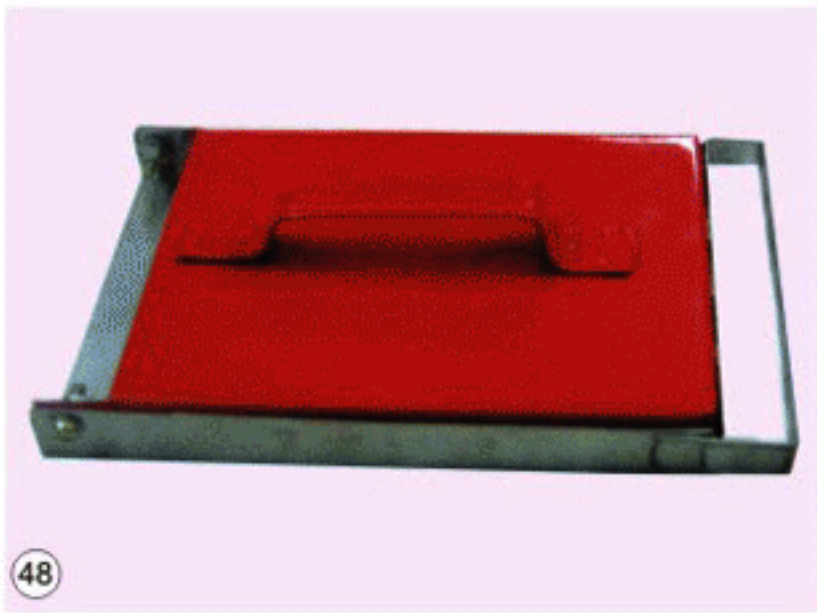


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**Magnetic Sweeper** provides "EASY CLEANING FACILITY " for your shop floor . this is a device, which is used for collection of iron waste material from shop floor. the material may includes bur , chips, washer , nails, screw etc. Main purpose of this machine is to provide clean Machine shop floor. Size and model is vary according to application. The following photograph can explain the product & its utilization briefly.



**Plate Type Magnetic Separator**



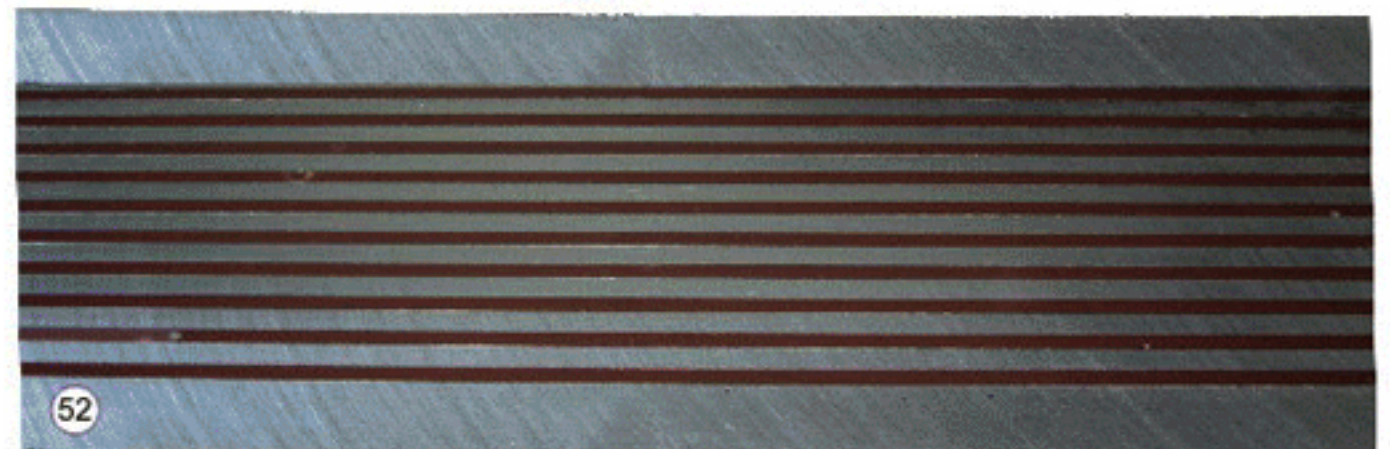
**Electromagnetic Chucks** are designed for GRINDING, LIGHT MILLING, and TURNING operations. It generates strong magnetic force to hold work piece in rigid manner. These chucks are operated on D.C. Power Supply. There is no internal wear and deformation corresponding to movement of internal parts, which provides a better life than conventional 'Permanent Magnetic Chuck' According to the work piece POLE GAP, POLE PITCH, POLE WIDTH, POLE STYLE can be defined. Following tests are applied to inspect a chuck:-

- 1) Resistant to Earth Terminal Test.
- 2) Demagnetizing Test.
- 3) High Voltage Test
- 4) Leak Proof Test.

**Electromagnetic Chucks**



**Transverse Pole**



**Longitudinal Pole**

For operating above chuck required Mag- Demag unit.

**Circular Electromagnetic Chuck**



**Circular Electromagnetic Chuck**





## Electro Permanent Magnetic Chuck

**Electro Permanent Magnetic Chucks** are designed to eliminate the problems of conventional chucks. Its required External Power supply for energized and De-energized (ON -OFF) purpose only. Hence, continues power supply is not required during the operation, that surely helps to saves energy with 100% safety. Its give a rigid magnetic force, which corresponds to maximum 'DEPTH' of CUT' with accuracy. Its specially design to avoid mechanical clamping, which result into EASY and QUICK RELEASE of Work Piece from chuck surface, Five faces machining can be possible so that time can be saved and productivity can be increased. According to the work piece POLE GAP, POLE PITCH, POLE WIDTH, POLE STYLE can be defined. The following photograph can explain the product & its utilization briefly.

### Electro Permanent Magnetic Chuck for grinding operation

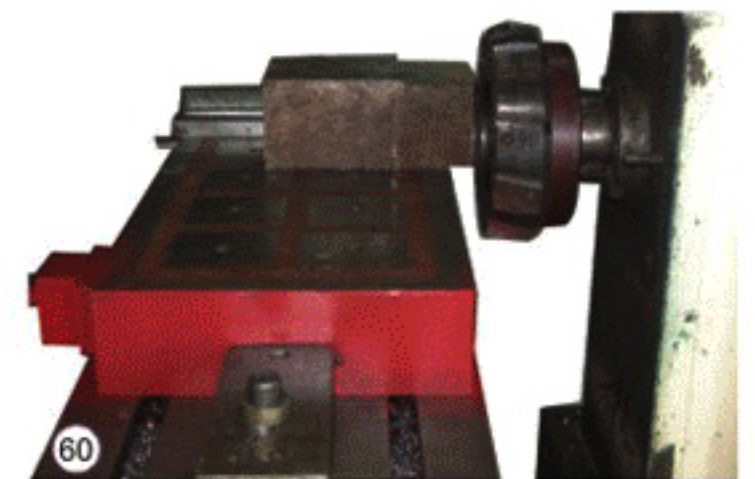
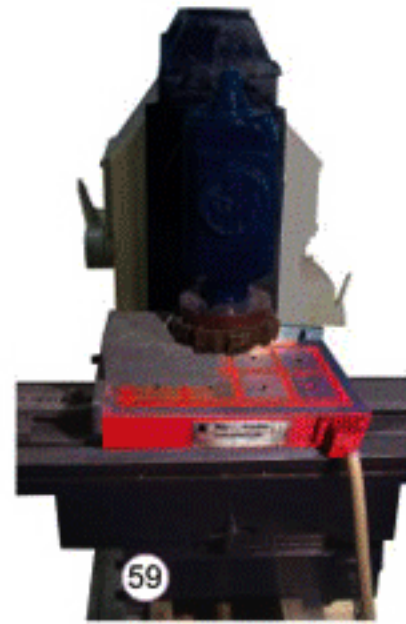
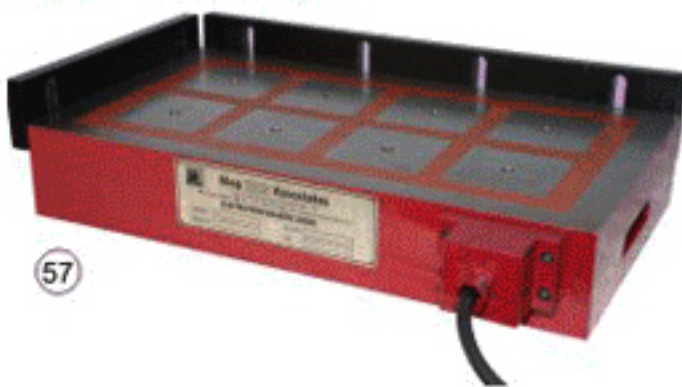


For operating this chuck required Thyrester Control Impulse Unit.

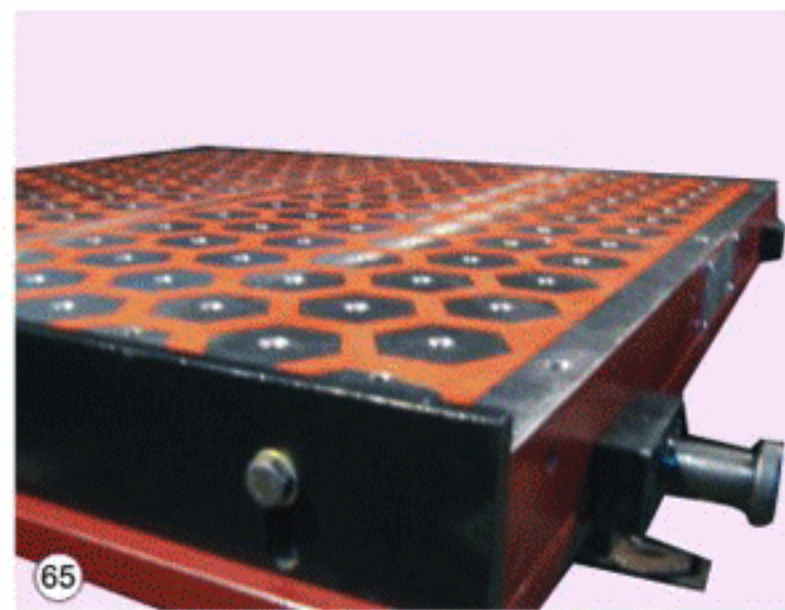
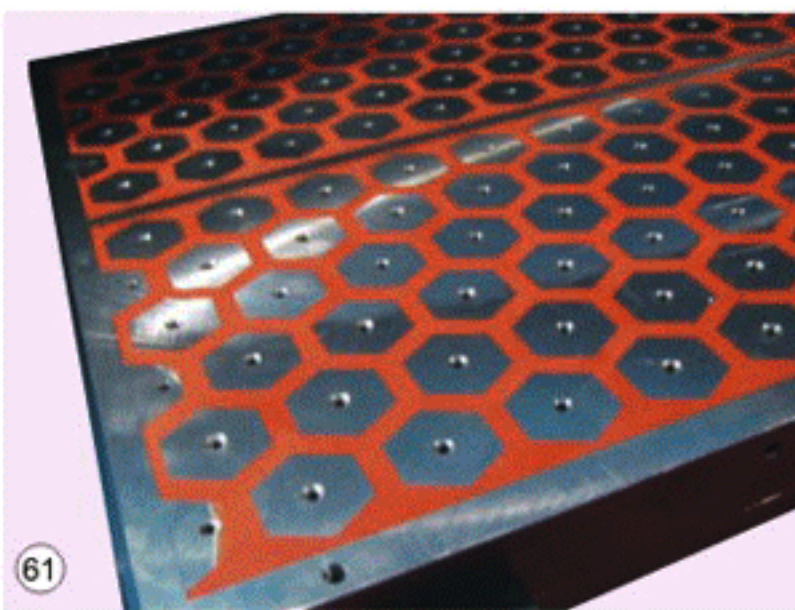


### Electro Permanent Magnetic Chuck for Milling Operation

Quad Pole Design



### Electro Permanent Magnetic Chuck for Milling Operation



For operating this chuck required Thyrester Control Impulse Unit.

**Magnetic 'V' block** is basically a clamping device. Hence, it is used in Standard Room Tool Room and Shop Floor also. For Drilling, Grinding Light Milling operations. Its consist of Three magnetic Surface Top, bottom with 90 degree angle and end surface opposite from switch. Magnetic surfaces are activated by mechanical ON-OFF switch. The main 'V' angle and bottom surface are provided with hardened steel plates, that ensures extra wear resistance. The accuracy of flatness and parallelism and squareness is within 5 microns for 4" & 6" As well as 10 microns for 8" 'V' blocks.



(For Standard room grade Accuracy within 5 micron)

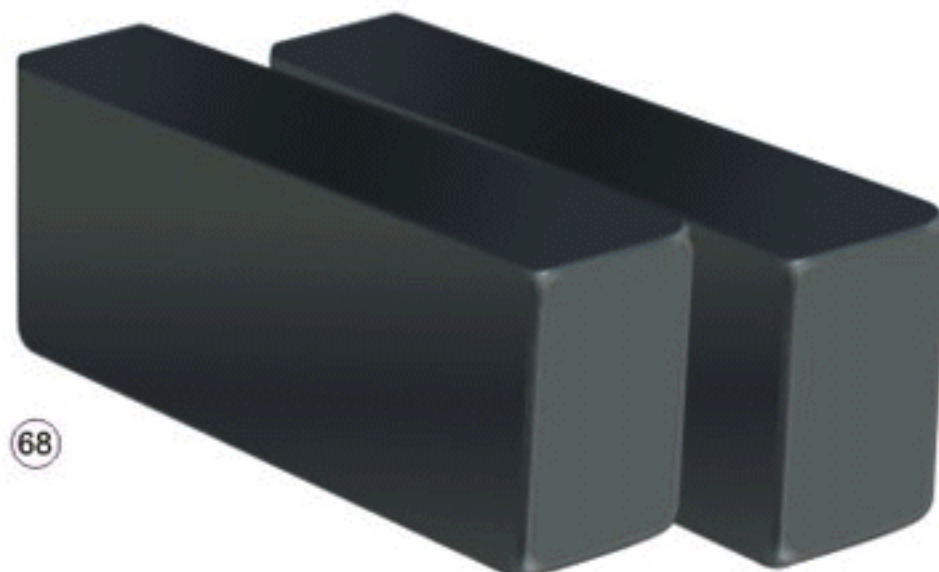
Code No.	Size (In mm) L x W x H	Clamping Range (mm)	Pull Kg.
004-01-03	100 x 70 x 95 mm. (4")	5-65	125
004-01-04	150 x 85 x 100 mm. (6")	5-70	150

(For Workshop grade Accuracy within 100 micron)

004-02-03	100 x 70 x 95	5-65	125
004-02-04	150 x 85 x 100	5-70	150

## Parallel Block

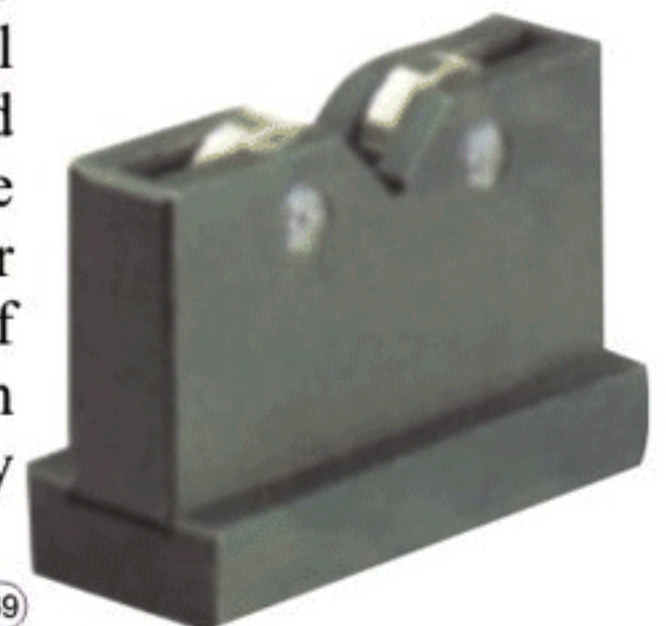
**Parallel blocks** are made by special quality steel it is hardened and ground, the hardness is 55-60R.C. all four sides are chamfered, its precision instrument. Accuracy for flatness, parallelism and squarness within 5 microns.



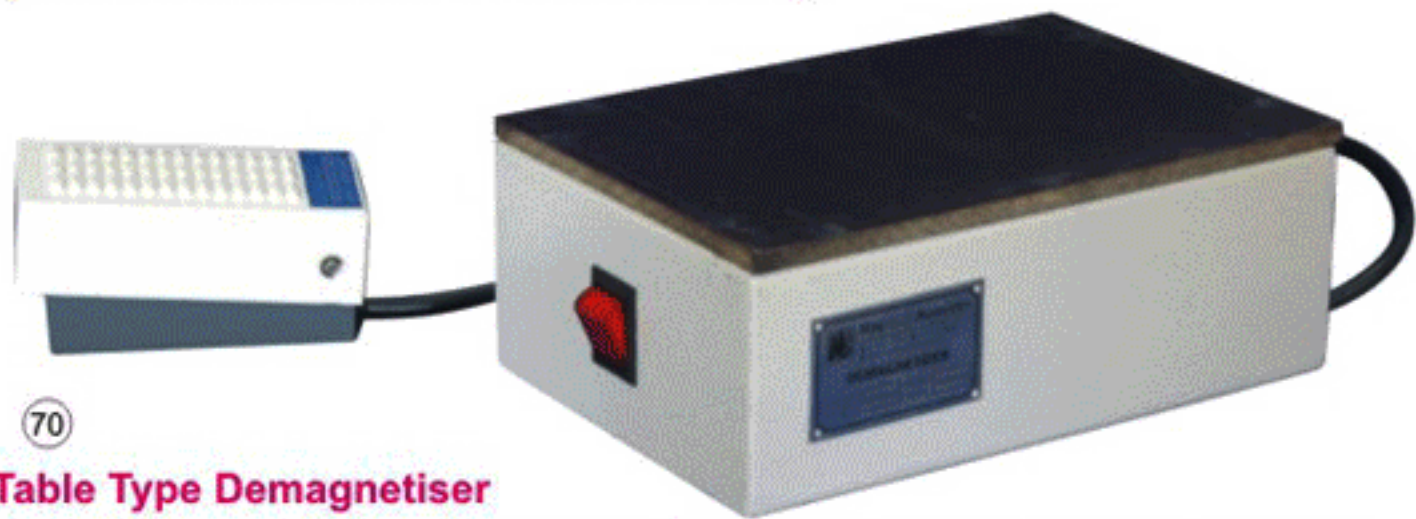
(Size as per requirement)

## Roller Bearing 'V' Block

**Roller bearing 'V' block** is made by alloysteel. Its consists precision ball bearings which are installed on 'V' portion. Bearing are replaceable. Its used for inspection of concentricity of round jobs. Mainly used in Machine Shop, Assembly Shop and Tool Room.



**Demagnetizer** is required to eliminate Residual Magnetism of work piece, which is generated due to manufacturing process like turning milling grinding operations and due to contact with magnet also. Sizes and models are vary as per requirement. Magnetism can be verify by GAUSS METER. The following photograph can explain the product & its utilization briefly.



70  
**Table Type Demagnetiser**

Code No.	Size (In mm) L x W
023-01-01	150 x 100
023-01-03	150 x 225
023-01-05	350 x 350



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**Cylinder Type Demagnetizer :-**

Code No.	Size (In mm)
023-04-01	Dia. 40 x 80 L



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**Tunnel Type Round Demagnetiser**

Code No.	Size (In mm) Aperture size
023-02-01	Dia. 100 bore
023-02-03	Dia. 200 bore
023-02-04	Dia. 300 bore



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**Tunnel Type Rectangular Demagnetiser**

Code No.	Size (In mm) L x W x H Aperture size
023-05-01	160 x 300 x 100
023-05-03	250 x 500 x 250
023-05-06	100 x 1600 x 700



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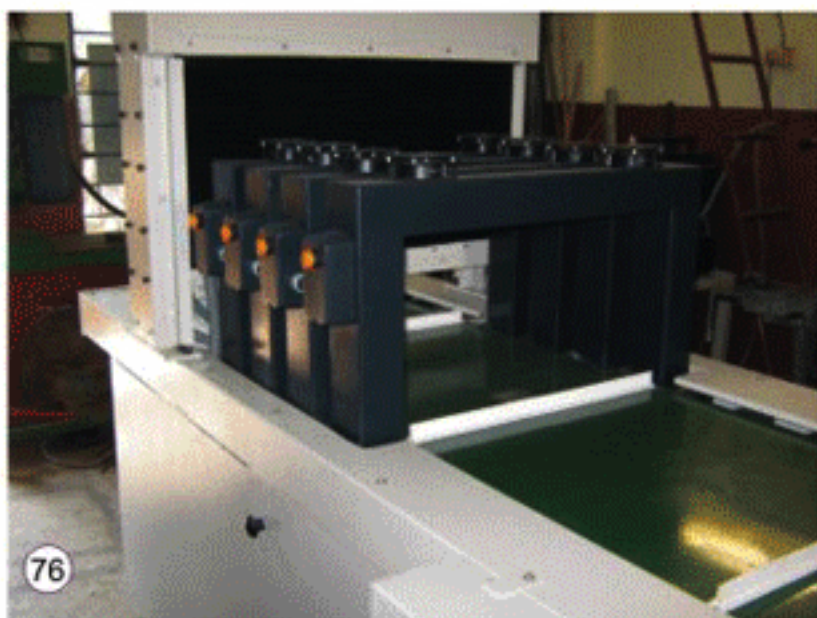
**'C' Type Demagnetizer**

**Demagnetizer With Conveyer System**



75

**Tunnel Type Demagnetizer**



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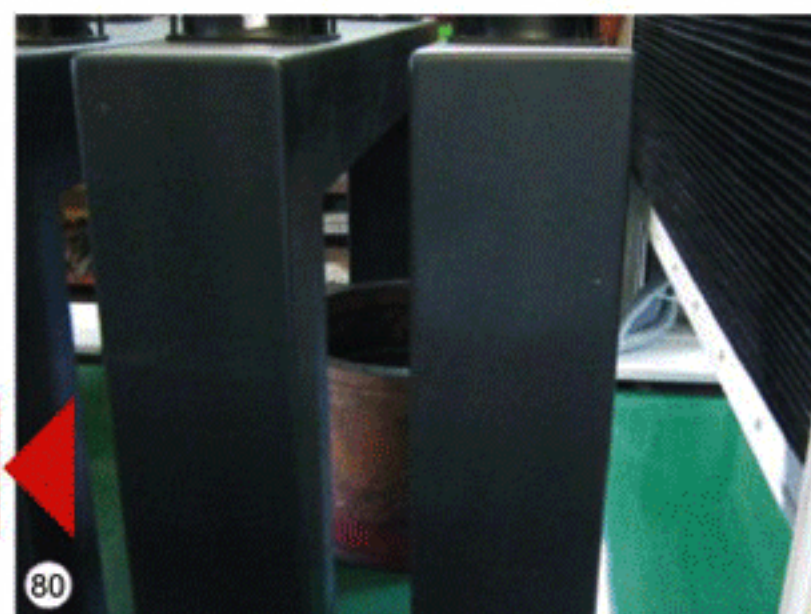
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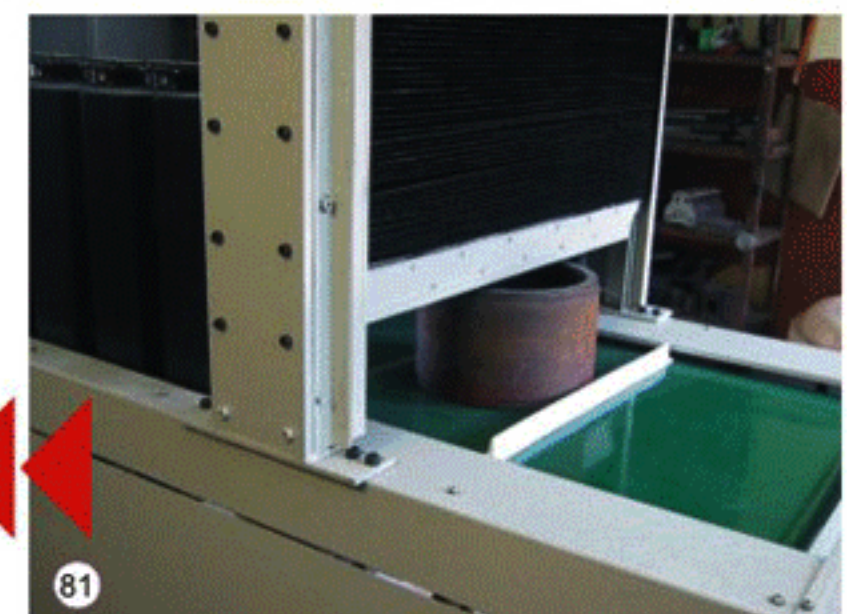
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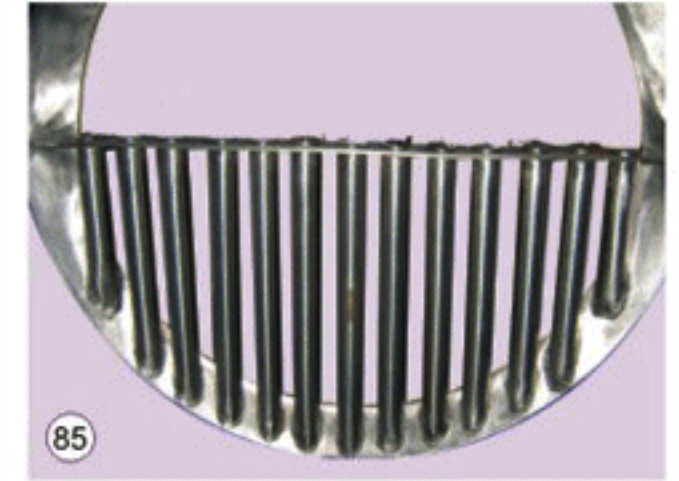
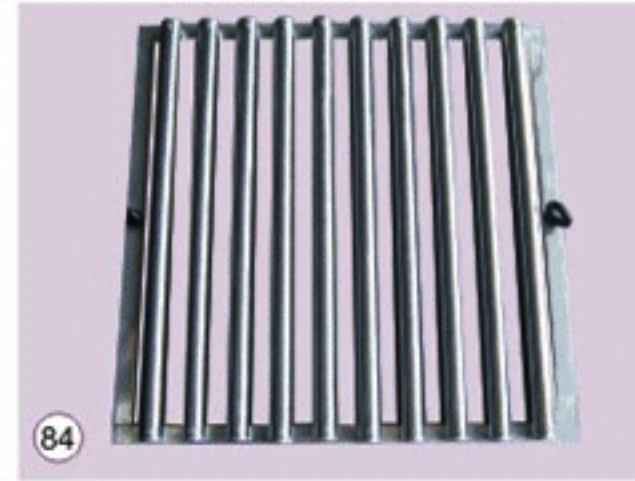
81

**Magnetic Separator** are used for separating ferrous particles from any kind of raw material. Which may be in Granular, Powder form and Liquid Form also. It's available in Two Types one is manually operated and another is electrically operated magnetic drums. Sizes and shapes are varies according to the application and specific requirement. The following photograph can explain the product & its utilization briefly.

**Magnetic Cartridge**

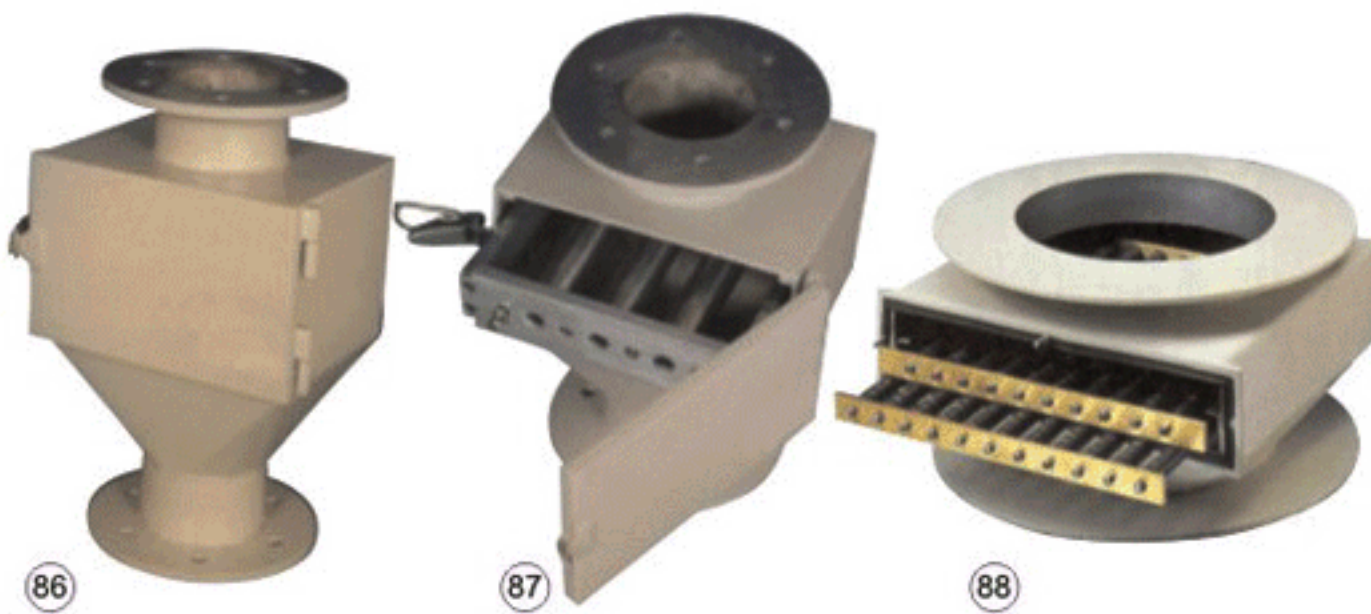


**Hopper Magnets**



**Vessale type Magnets Separator**

**Magnetic Separator with (demagnetising facility)**

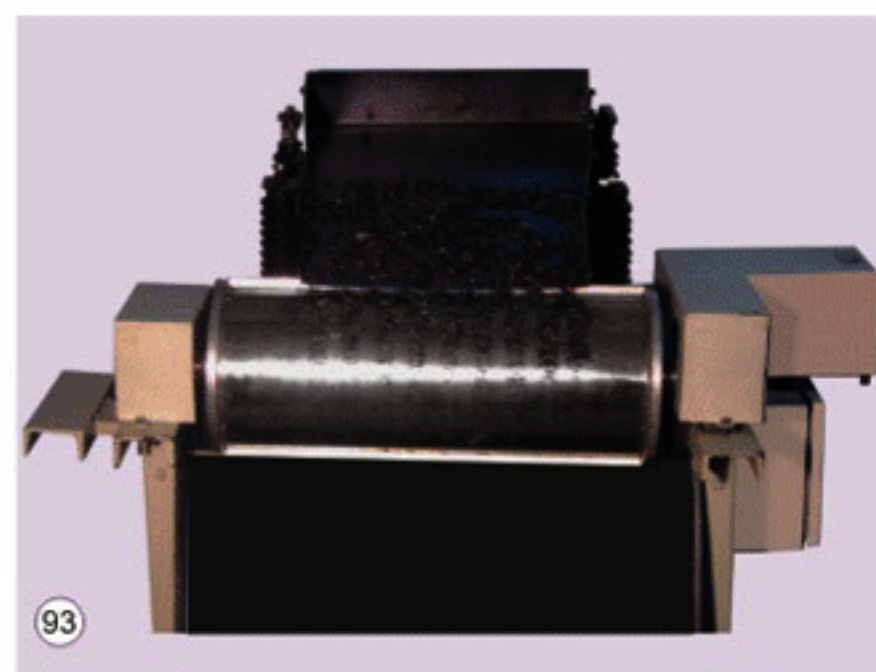


**'Motor Operated Magnetic Separator**

**Magnetic Separator**



(With Vibrater)

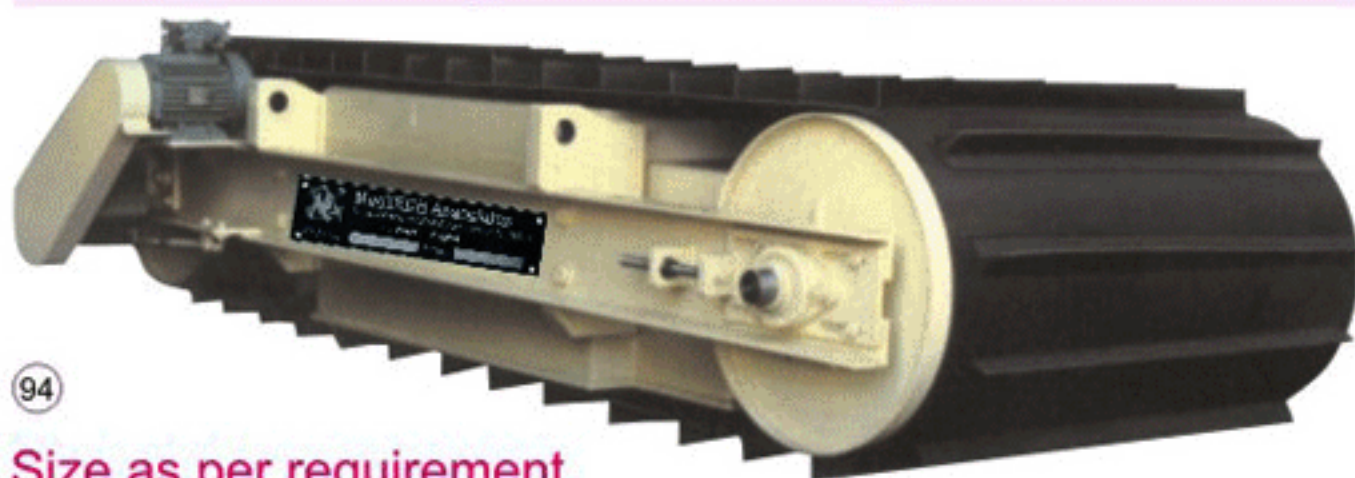


Size as per requirement

(Curve Type)



**Suspension Magnet**



Size as per requirement

**Magnetic Conveyor** system is required for easily and smoothly material handling purpose, it save energy and increasing productivity. Following magnetic conveyor is specially design for Bread Manufacture, very hot treys arrives from oven the cover of hot tray is removed and conveying by this conveyor.



## Pot Magnet

**Pot magnet** has innumerable of application some of them are clamping, holding of small components through short distance. It consist permanent magnet. Size and Lifting Force are vary as per requirement.



## Magnetic Sheet Lifter



**Magnetic sheet lifter** is a device which is used for loading and unloading of small sheets/ components in press die. This particular device is designed for safety of Press machine Operator.

## Electro Pot Magnet

**Electro Pot magnet** has innumerable of application some of them are clamping, holding of small components through short distance. It consist coil. It operates on 24 Volt D. C. Supply.



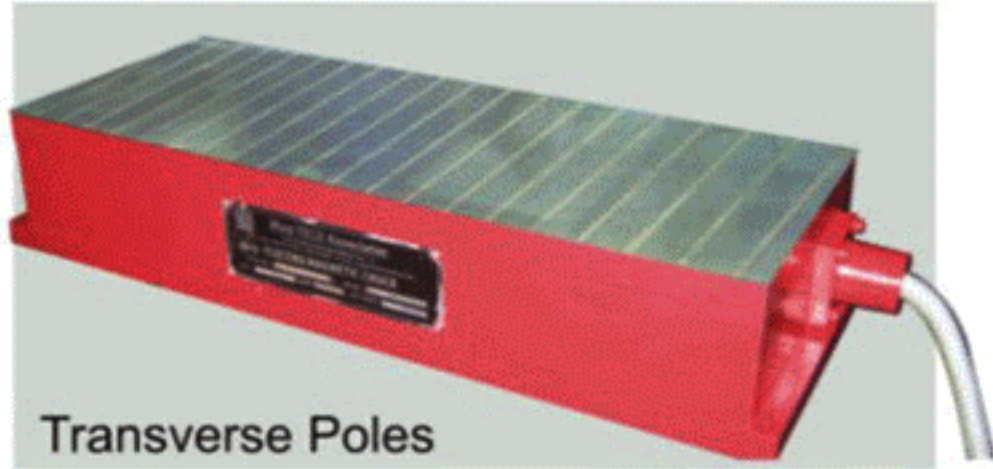
## Magnetic Stick

**Magnetic stick** is device which is used for collect any kind of iron filling from 'T' slots machine bed, blind hole and congested places. It also available in flexible shapes. Sizes varies as per requirement.



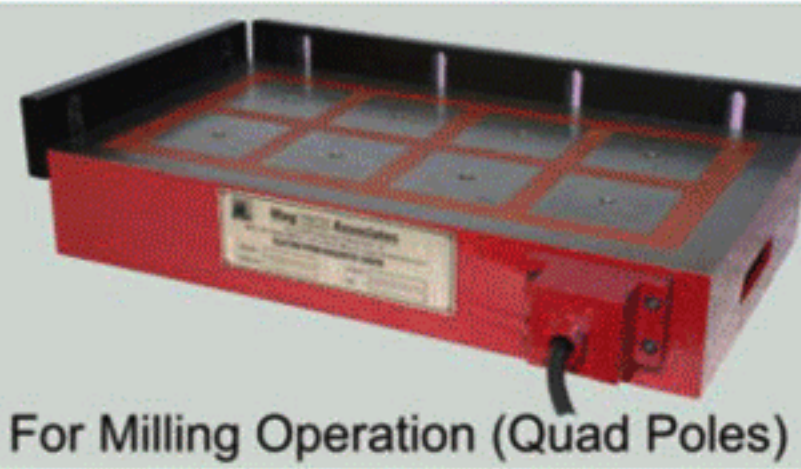
# Magnetic Chuck for Grinding & milling Operations

Electromagnetic Chuck for Grinding Operation



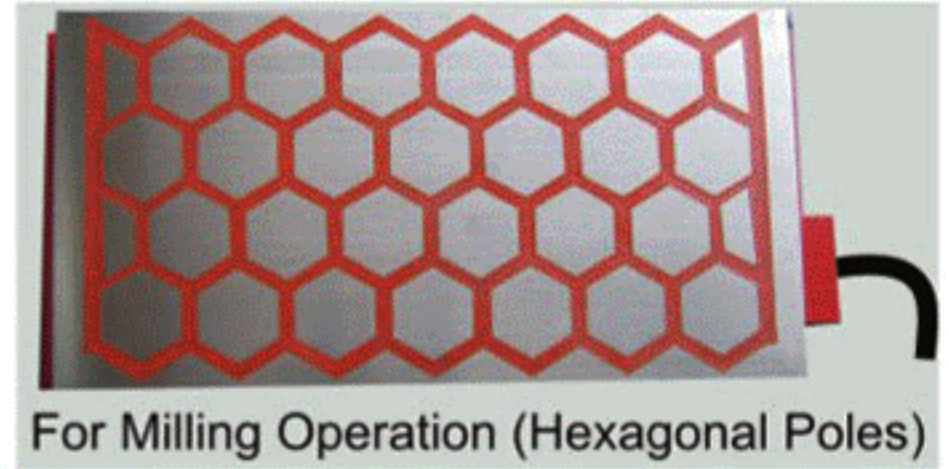
Transverse Poles

Electro Permanent Magnetic Chuck (EPM)



For Milling Operation (Quad Poles)

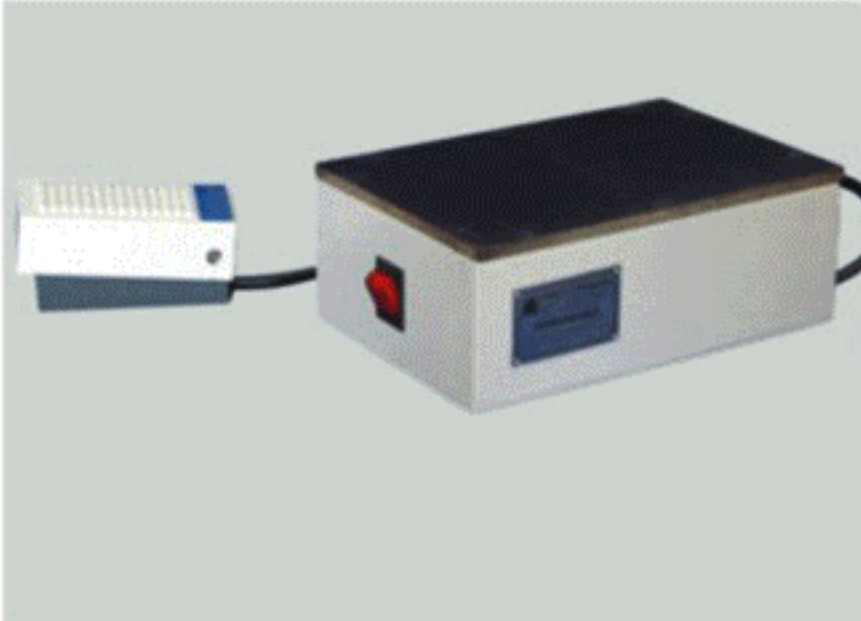
Electro Permanent Magnetic Chuck (EPM)



For Milling Operation (Hexagonal Poles)

# De-Magnetizers for Elimination of Residual Magnetism

Plate Type De-magnetizer



Tunnel Type De-magnetizer



"C" Type De-magnetizer

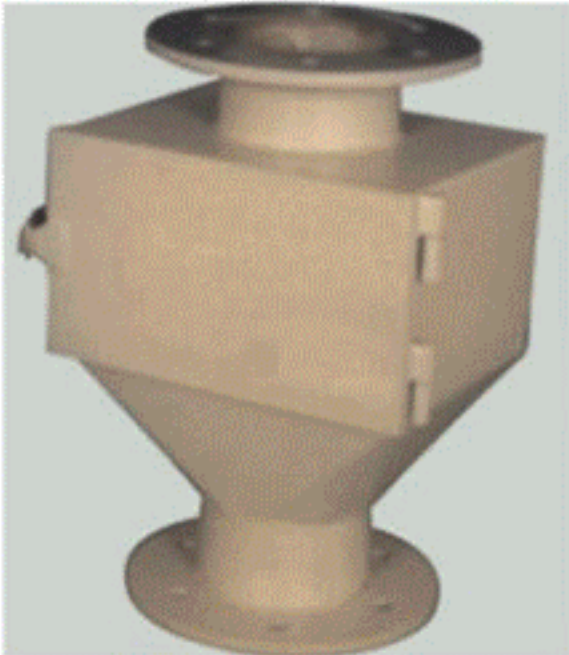


De-magnetizer With Conveyor System

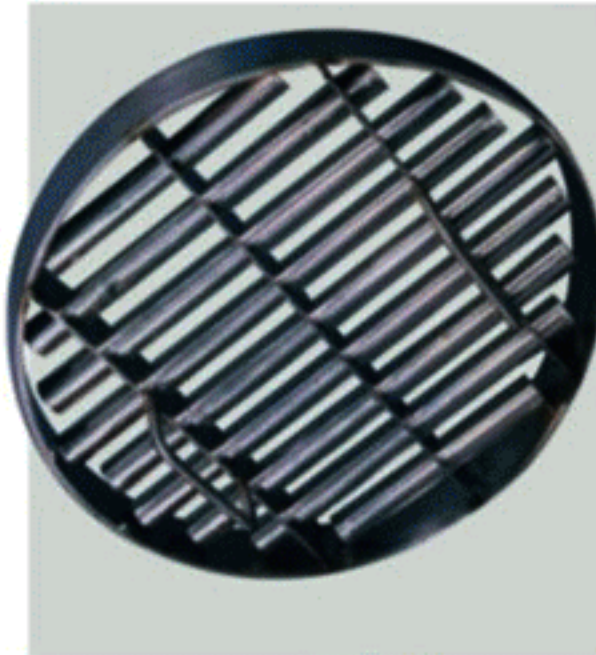


# Magnetic Separator for Collecting Ferrous Particles

Vessel Type Magnetic Separator



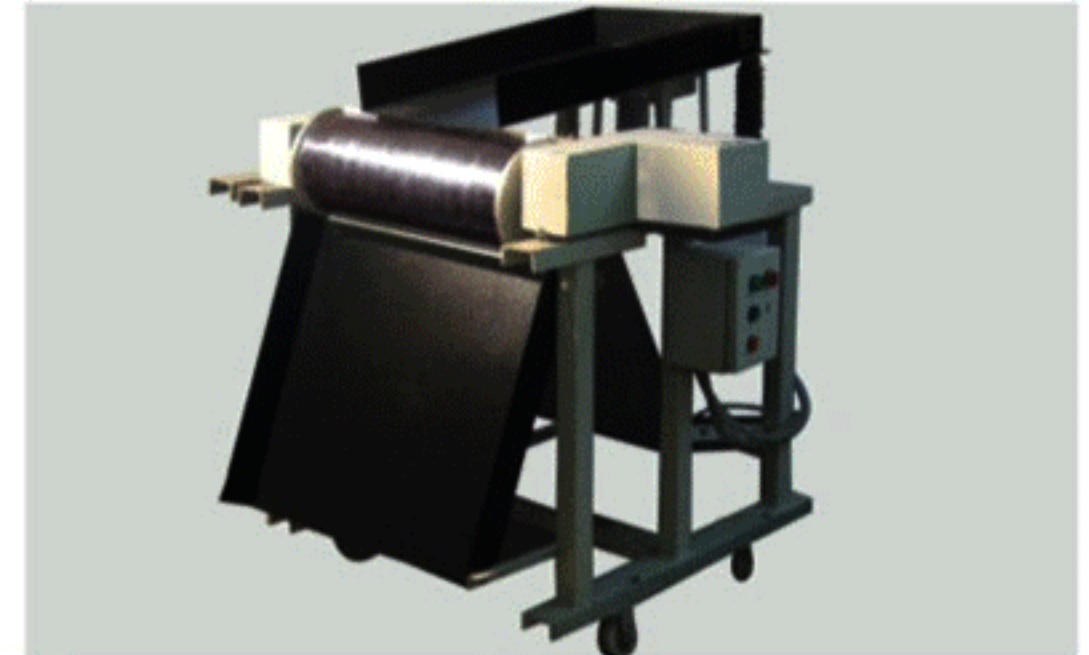
Hopper Magnets



Magnetic Separator with de-magnetizing Facility

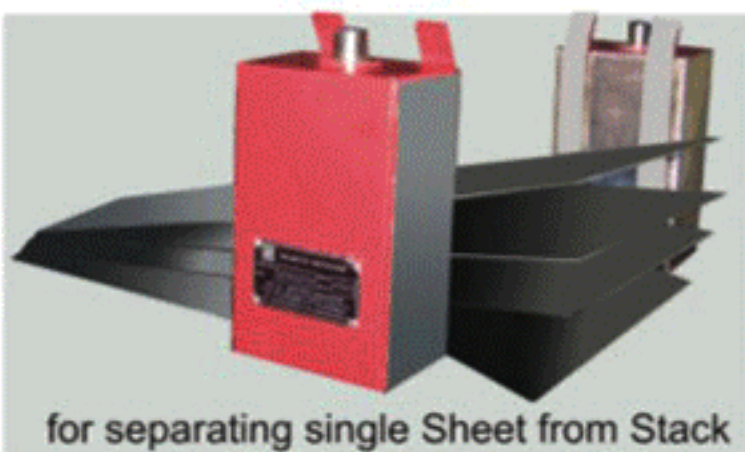


Motor Operator Magnetic Separator



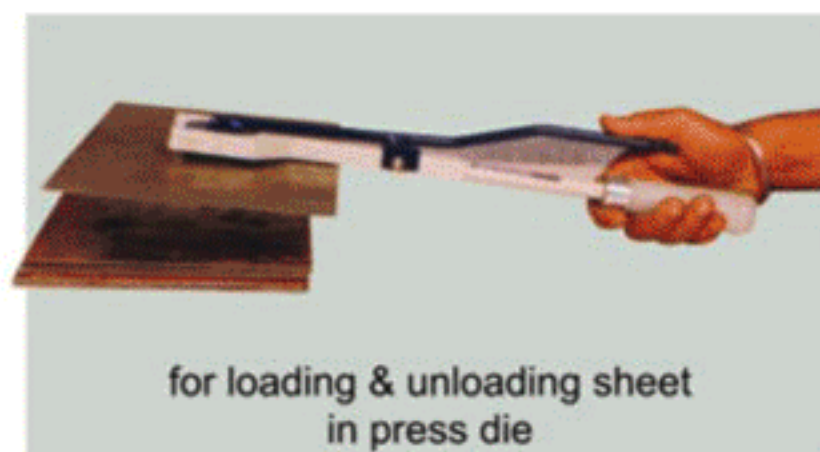
# Press Shop Equipments

Magnetic De-stacker



for separating single Sheet from Stack

Magnetic Sheet Lifter



for loading & unloading sheet in press die

Magnetic Stick



for collecting ferrous particles from congested places

Magnetic Tool Holder



Pot Magnets for Clamping, Holding, Material Handling Purposes.



**Yogesh Naik**  
Mob. : 09850086939



**MagTECH**  
ASSOCIATES

**Mfg. Various Types of Magnetic Products**

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Mfg.  
Magnetic Products

## Magnets for Material Handling

Permanent Magnetic Lifter



Electromagnetic Lifter



Electro Permanent Magnetic Lifter (EPM)



Plate Lifting Magnets



Electromagnetic Circular Scrap Lifting Magnet

