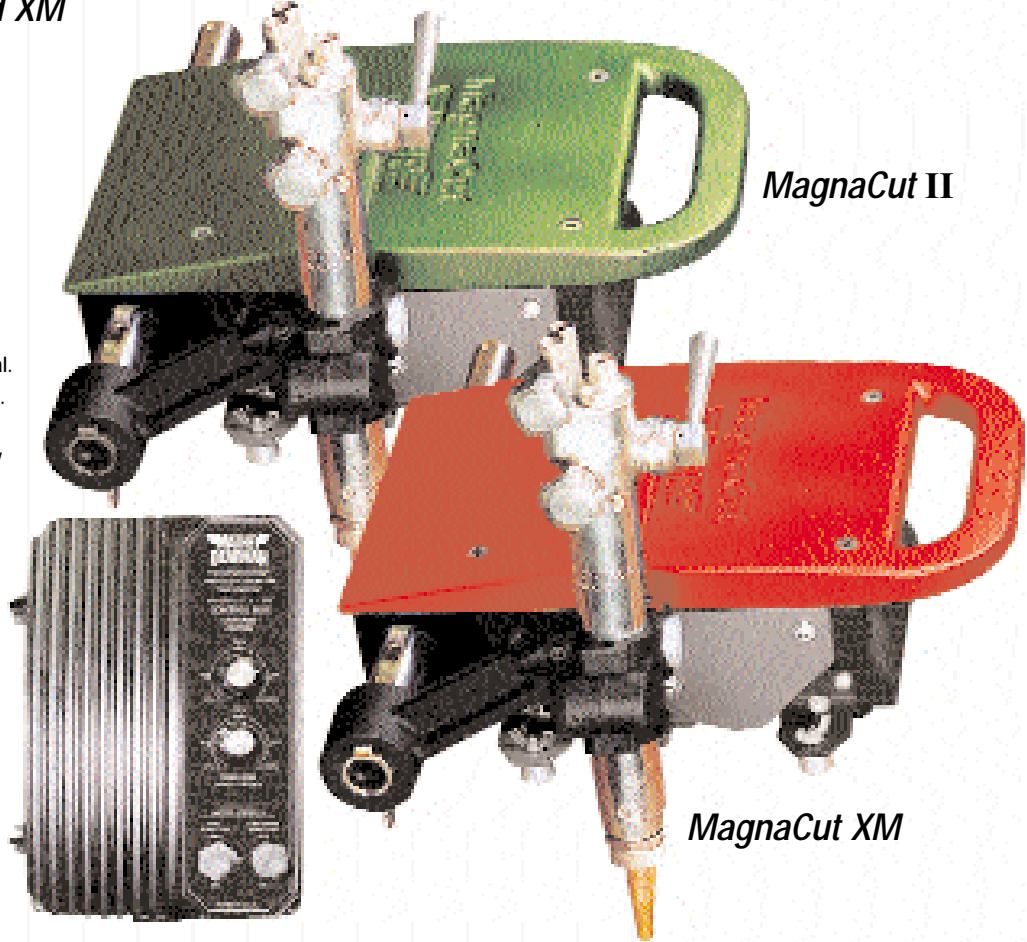


## MagnaCut II and XM

(PATENTED.)

### MagnaCut includes:

- Base Machine.
- Torch Arm.
- Torch Carrier Assembly.
- Parts and Operating Manual.
- Cutting Torch NOT Included.
- 74" / 1880mm Long Safety Strap for up to 24" / 610mm pipe.
- Torch Support.
- Storage Box.
- Hose Support.
- Two (2) Snap Hooks.
- Service Keys.



The MagnaCut II Pipe and Plate Cutting and Beveling Machine cuts 6" pipe and larger with a wall thickness of 3/8" / 10mm to 2" / 51mm and plate cleanly and quickly producing a quality cut requiring little or no grinding time. The MagnaCut XM has additional magnets so that its cutting range is larger - 3/8" / 10mm to 3" / 76mm. The MagnaCut with Remote Controlled Torch Arm combined with a Machine Fuel or Plasma Cutting Torch is an excellent choice when cutting a variety of sizes and thickness of pipe and plate. The cutting and beveling machine is ideal for hard to reach locations, such as overhead pipes, since it can be remotely operated from the Motor Control Box. MagnaCut II and XM will improve the productivity and cut quality of the apprentice or journeyman welder.

### Magnet Options for MagnaCut XM

The MagnaCut XM is available with *increased magnetic strength* — 'Rare Earth Magnets' for extra holding power on larger and thicker coated pipe or for carrying larger cutting torch.

MagnaCut II and XM come standard with Guide Wheels that can be utilized along with a Guide Strip when *extreme accuracy* is required when cutting horizontal or vertical plate or pipe. A piece of 1" x 1" / 25mm x 25mm Angle Iron can be used as a Guide Strip for the MagnaCut on plate.

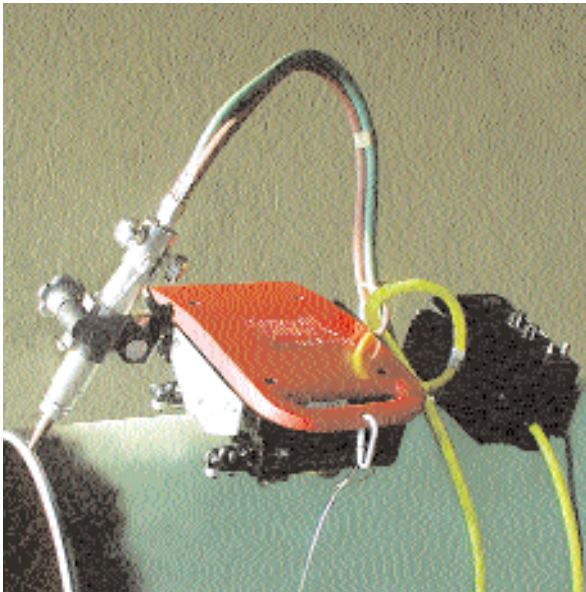
- **MINIMUM SET-UP TIME** involves only the adjustment of the cutting torch to the material height.
- **VERSATILITY** – Cut Pipe or Plate.
- **MAXIMUM SPEED** - Speed and direction of machine as well as Torch Arm Speed and Direction are remotely controlled from the Motor Control Box minimizing the risk of injury to the operator. It will cut pipe with a diameter of 6 5/8" / 168mm and larger. It can cut from the inside of pipe with an inside diameter of 24" / 610mm and larger.
- **80% FASTER** than hand cutting and grinding.
- MagnaCut II adheres to any magnetic receptive pipe or plate with coatings to 5 mils or .005" thick or less
- MagnaCut XM adheres to any magnetic receptive pipe or plate with coatings to 15 mils or .015" thick or less.

## MagnaCut II and XM

(PATENTED.)

### MagnaCut and Accessories

Model	Part Number	Estimated Shipping Weight lbs./kg
MagnaCut II, 110vac	05-0550-000N	60 / 28
MagnaCut II, 230vac	05-0550-000E	60 / 28
MagnaCut XM, 110vac	05-0550-000XM	60 / 28
MagnaCut XM, 230vac	05-0550-000XME	60 / 28



#### **WARNING:**

The MagnaCut II should not be used on heavy wall pipe or plate 2" / 51mm and thicker.

The MagnaCut XM should not be used on heavy wall pipe or plate 3" / 76mm and thicker coatings.

Always secure the machine to the pipe with a Safety Strap. Mathey Dearman should be contacted prior to attempting any special applications with MagnaCut.

*Ask our Customer Service Representative for details.*

#### **WARNING:**

Comes with "Safety Strap". Machine never to be used without Safety Strap.

### MagnaCut Technical Specifications

Description	MagnaCut
Method of Attachment to Pipe or Plate	MagnaCut II - Permanent Magnet MagnaCut XM - Rare Earth Magnets
Magnetic Pull Per Wheel Assembly	MagnaCut II - 100 lbs. MagnaCut XM - 150 lbs.
Polyurethane, Carbo Zinc or Epoxy Coatings	MagnaCut II - up to 5mils or .005" thick MagnaCut XM - up to 15mils or .015" thick
Set Up Time	Two Minutes or less
Cutting Range (Pipe O.D.)	6 5/8" / 168mm and up
Cutting Range (Pipe I.D.)	24" / 610mm and up
Vertical Cutting Capability	Plate*
Horizontal Cutting Capability	Pipe or Plate
Diagonal Cutting Capability	Plate
Miter or Saddle Cutting Capability on Pipe	Shallow Miters or Saddles only
Minimum Speed	2" / 51mm per Minute
Maximum Speed	40" / 1016mm per Minute
Estimated Shipping Weight	37 lbs. / 16.7 kg
Dimensions	
Width (Torch Arm Extended)	21 3/4" / 553mm
Length	9 1/2" / 241mm
Height	5 1/4" / 133mm
Electrical Requirement	115vac or 230vac 50/60Hz

\*A Guide Strip is required to cut vertical pipe or plate. Call Mathey Dearman, Inc. Sales Department for details.

#### **NOTE:**

\*If making vertical cuts on vertical pipe or plate contact Mathey Dearman Sales prior to attempting the application.

## MagnaCut II and XM

(PATENTED.)

### OPTIONS:

- Available in 115 or 230vac 50/60 Hertz Models.
- Available with Torch Holder for 1 3/8" / 35mm diameter torch with 24 pitch or metric torch rack.

### ACCESSORIES:

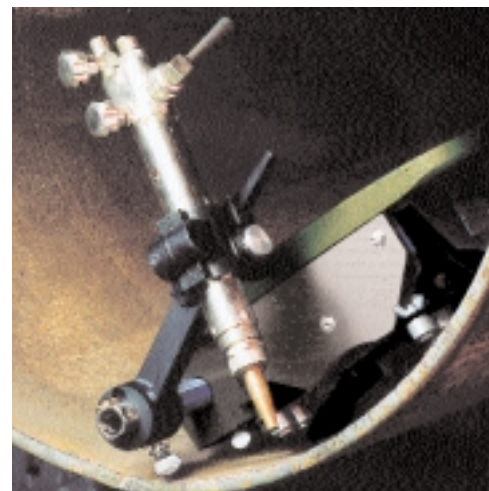
- 12' / 3.7M Extension Cord for pipe diameters larger than 36" / 914mm.
- Plasma Torch Adapter for plasma cutting.
- Torches and Tips available for all types of cutting gases.
- Torch Shut-Off Valve to minimize adjustment of cutting torch.



The MagnaCut speed and direction as well as torch speed and direction can be controlled from the Motor Control Box providing the *maximum safety* to the operator.



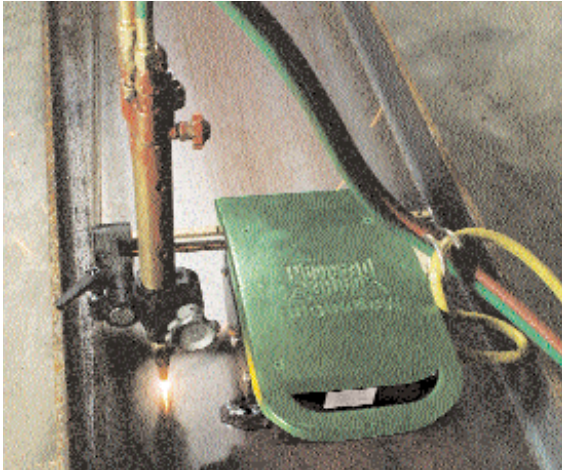
Cuts Outside Pipe



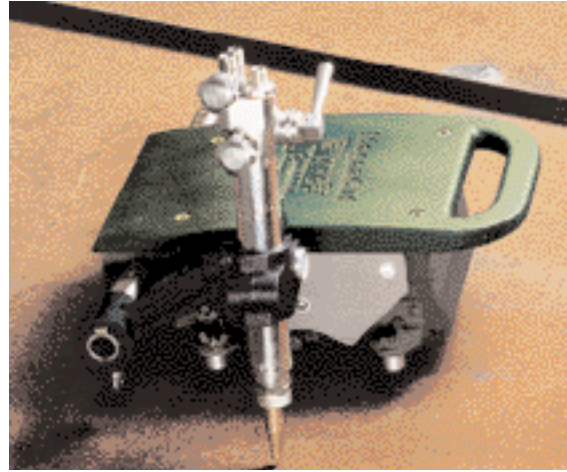
The MagnaCut cuts pipe from the inside.

## *MagnaCut*

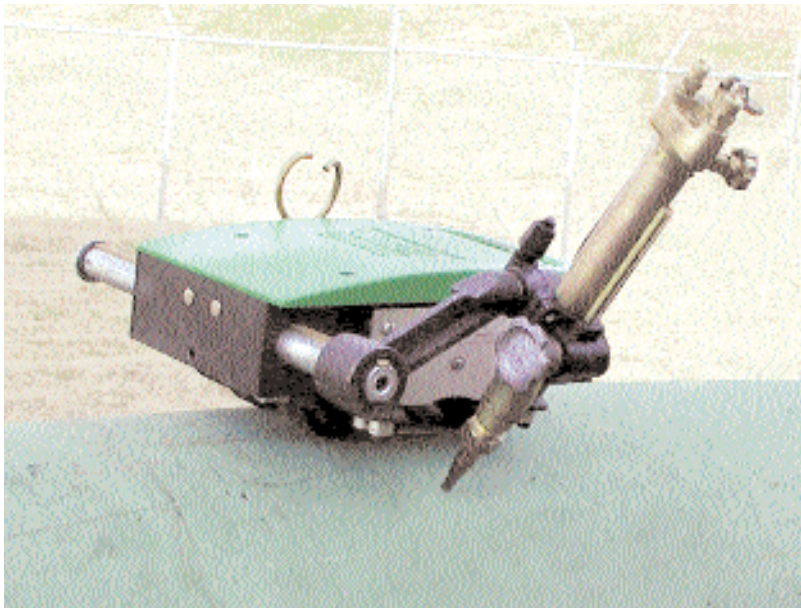
(PATENTED.)



Vertical or Horizontal I Beam 20" wide or wider can be precision cut with MagnaCut.



Vertical or Horizontal plate 12" / 305mm wide or wider can be precision cut with MagnaCut.



Pipe diameter 16" / 406mm and larger can be cut parallel to the pipe axis.

## MagnaCut XM

(PATENTED.)



The MagnaCut XM enables the contractor to use one machine for any pipe size.

All of the spectacular features of the MagnaCut II plus 300 pounds of awesome magnetic force as measured on bare pipe. MagnaCut XM, 'Rare Earth Magnets' will adhere to any magnetic receptive pipe or plate with Carbo-Zinc, Polyurethane or Epoxy coatings to 15mils or .015mm thick with surface temperatures up to 200°F / 93°C.

Whether you are a contractor, fabricator, or maintenance welder cutting coated pipe or plate— this is the machine for you. No need to worry about out-of-square cuts due to variance in pipe diameter or due to pipe coating thickness—the height of the torch remains constant.

The MagnaCut XM has all of the features of the MagnaCut II. The MagnaCut XM can achieve a maximum speed of 32" / 813mm per minute and a minimum cutting speed of 2 inches per minute. The MagnaCut XM is available for 115 or 220 VAC at 50/60 hertz.

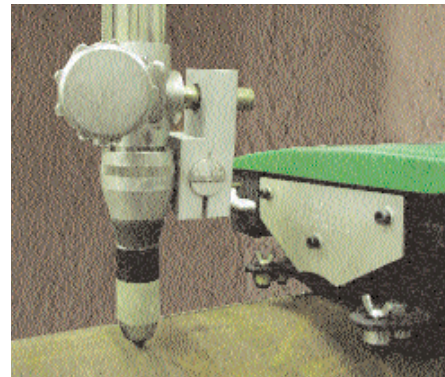
- **EXTRA HOLDING POWER** - 'Rare Earth Magnets' of the MagnaCut XM will adhere to any magnetic receptive pipe or plate with coatings to 15mils thick.
- **VERSATILE** – The MagnaCut XM is the Ideal machine for fuel or plasma operation.

### Options:

- Available in 115 or 230vac 50/60 Hertz Models.
- Available with Torch Holder for 1 3/8" / 35mm diameter torch with 24 pitch or metric torch rack.

### Accessories:

- 12' / 3.7M Extension Cord for pipe diameters larger than 36" / 914mm.
- Plasma Torch Adapter for plasma cutting.
- Torches and Tips available for all types of cutting gases.
- Torch Shut Off Valve to minimize adjustment of cutting torch.



Design to adapt customer supplied Torch Holder to MagnaCut.  
Part No. : 05-0510-302



Designed to elevate the MagnaCut Torch Holder for use with Plasma Torch.  
Part No. : 05-0510-301

## MagnaCut II and MagnaCut XM

(PATENTED.)

### MagnaCut II/ MagnaCut XM Spare Parts and Accessories

Description	Part Number	Estimated Shipping Weight (lbs./kg)
1 3/8" / 35mm Torch Holder with 32 Pitch Pinion	05-0510-117	.7 / .3
1 3/8" / 35mm Torch Holder with Metric Pinion	05-0510-117E	.7 / .3
115vac Motor Control Box	05-0550-110	7.7 / 3.5
230vac Motor Control Box	05-0550-240	7 / 3.2
12' (3.7m) Extension Cord*	05-0550-014	1.8 / 82
24vdc Torch Arm Motor	05-0550-055	.8 / .4
100vdc Drive Motor	05-0550-016	.9 / .4
Torch Arm Stop	05-0550-032	.3 / .1
Fuse, 1amp Time Delay	05-0550-038	-
Snap Hook, 1/4	05-0550-035	.1 / .1
Safety Cable, 16" Pipe	05-0550-052	1.8 / 82
Plasma Adapter, Customer Supplied Torch	05-0510-301	2 / 1
Plasma Adapter, Elevates MagnaCut Torch Holder	05-0510-302	4 / 2

When placing your order please specify if you are working with a cutting torch having a barrel diameter other than 1 3/8" / 35mm. (Torch Sold Separately.)

No more than 9' / 2.7M of the 12' / 3.7M Extension Cords should be connected together.

### GUIDE STRIP

MagnaCut has been one of Mathey Dearman's most popular machines because no guide is required. If the user needs extra precision, Guide Strips may be used on pipe or plate!

A piece of 1" x 1" x 1/8" / 25mm x 25mm x 3mm thick angle iron can be used as a Guide Strip when extreme cutting accuracy is required when cutting horizontal or vertical plate. Guide Strips for pipe can be made by rolling angle iron to fit a specific diameter of pipe; cutting it into Two (2) sections and bolting it together to make a Guide Strip. Mathey Dearman produces Guide Strips upon request for 18" / 457mm and larger pipes.

**NOTE:** \*If making vertical cuts on vertical pipe or plate contact Mathey Dearman Sales prior to attempting the application.

### MagnaCut Guide Strips

Pipe Diameter	Part Number	Estimated Shipping Weights lbs / kg
18 / 457	05-0550-200	6 / 3
20 / 508	05-0550-204	7 / 3
24 / 610	05-0550-201	8 / 4
30 / 762	05-0550-205	9 / 4
32 / 813	05-0550-206	10 / 5
36 / 914	05-0550-202	11 / 5
42 / 1076	05-0550-207	13 / 6
48 / 1219	05-0550-203	15 / 7

