



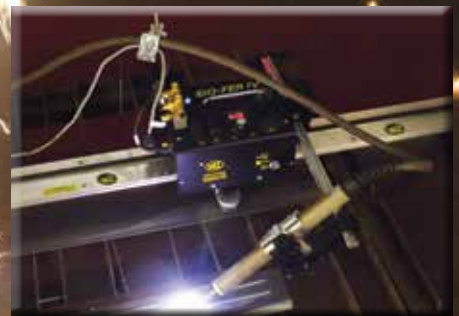
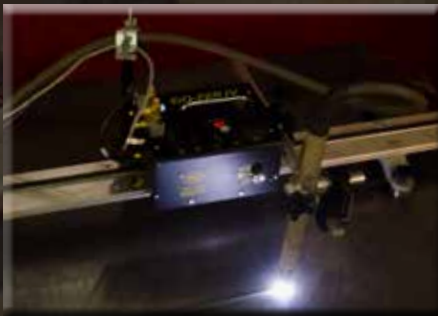
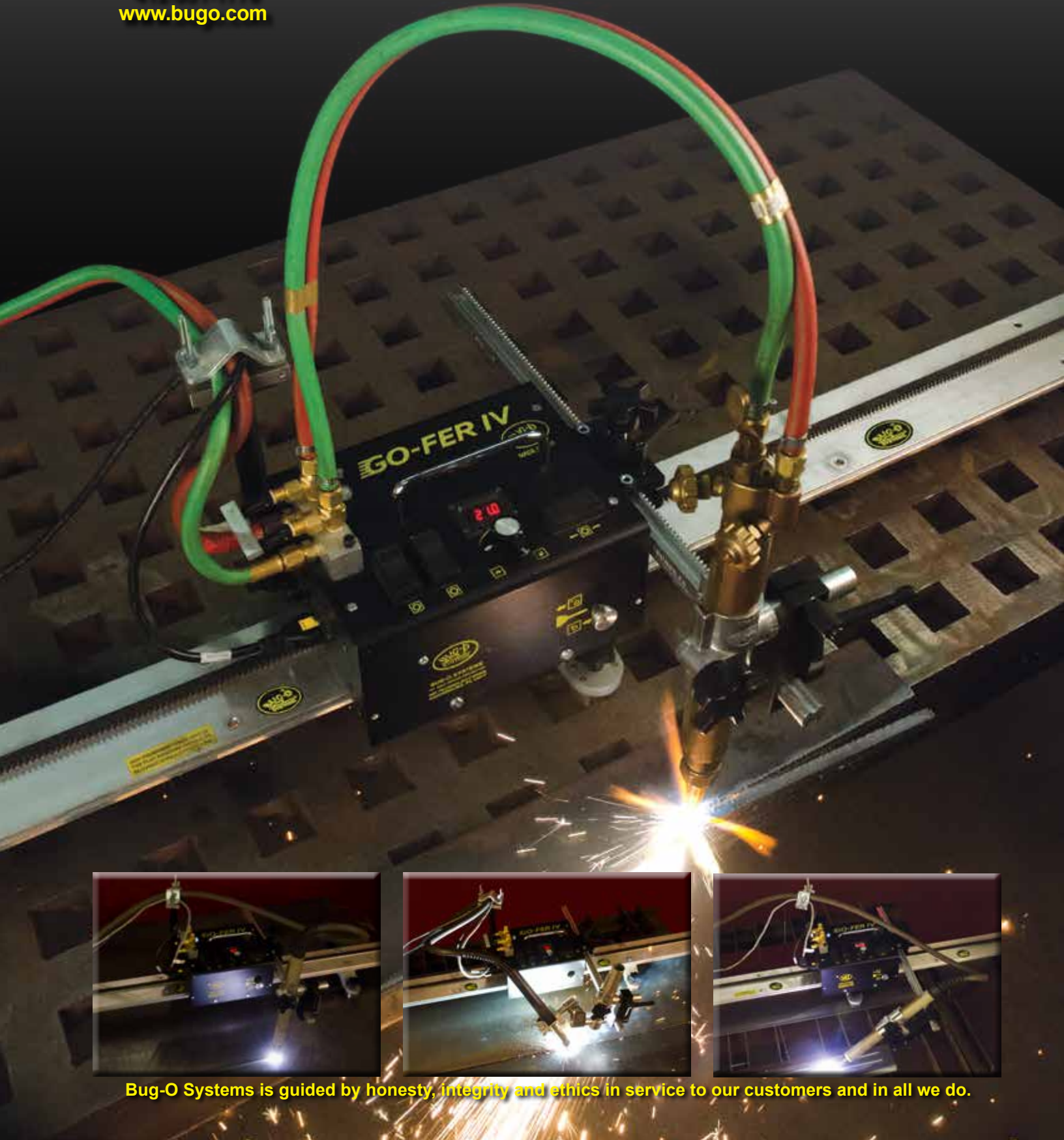
# GO-FER<sup>®</sup> IV

MADE IN  
  
U. S. A.



## One Machine for All Applications!

412-331-1776  
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Bug-O Systems is guided by honesty, integrity and ethics in service to our customers and in all we do.



# GO-FER® IV

The **GO-FER® IV** is a portable, versatile and robust tractor designed for all your cutting and welding needs. It's like having the three units in one! When used for cutting, you can utilize either oxy-fuel or plasma torches. It can also carry a Plasma torch for gouging.

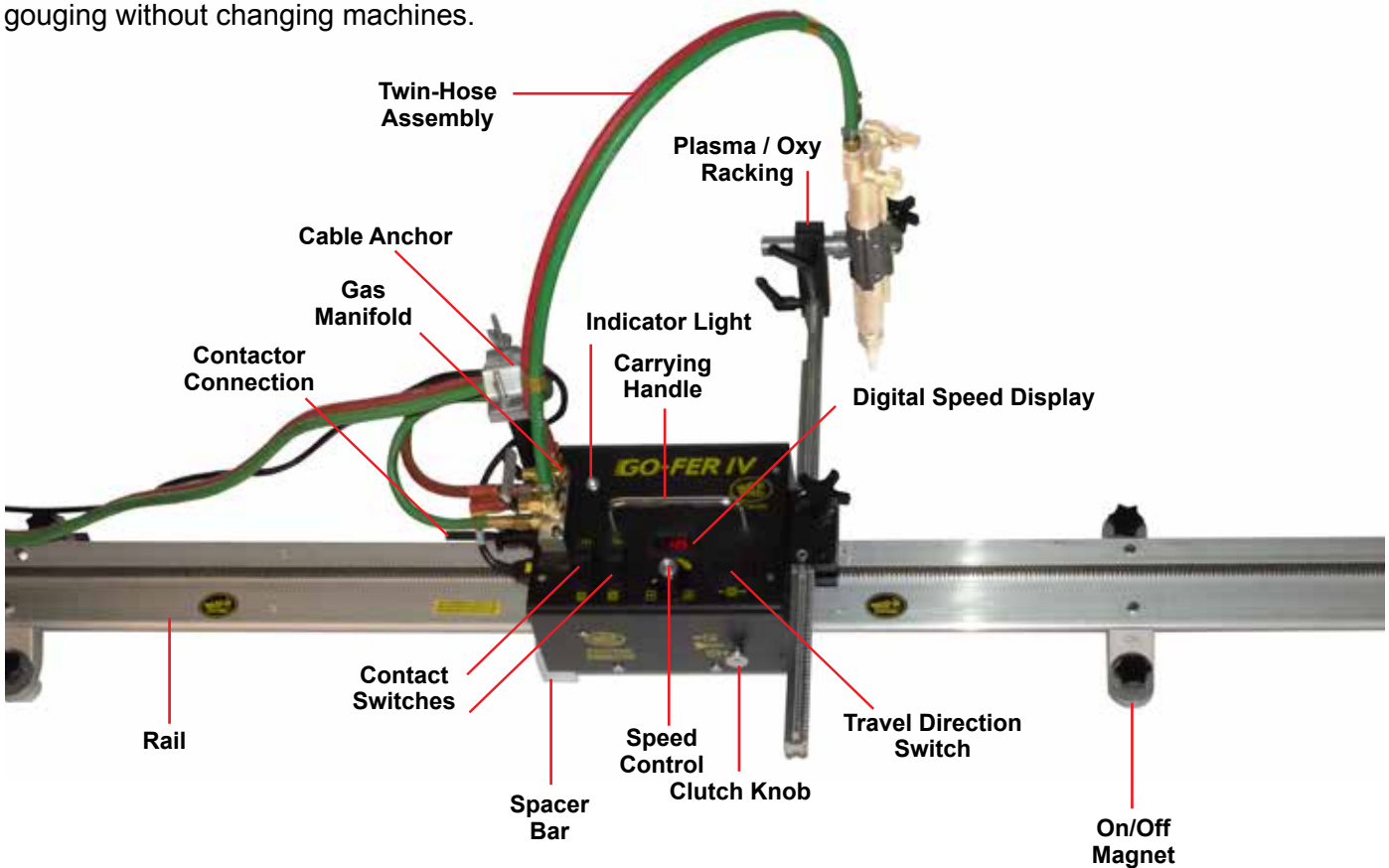
When utilized for straight line cutting and beveling with an oxy-fuel torch, this unit includes everything required except the torch itself. The torch holder will accept any standard 1-3/8" (35mm) diameter machine torch with a 32 pitch gear rack. The quick-action gas manifold mounted to the rear of the machine is used as a strain reliever for the torch hoses and gives the operator the ability to turn the gases on and off without having to readjust the gas flow of the torch. The Cable Anchor provides strain relief for the supply hoses and power cord.

With an ample speed range of 2.5-100 IPM (63.5 -2540 MM/MIN) and direct rack and pinion drive, the **GO-FER® IV** is perfectly designed to work in conjunction with a plasma cutting system. The **GO-FER IV** includes a built-in contactor switch to turn the plasma on & off. Easy torch adjustment is provided to make straight plasma cuts and bevels. With the right tip in the plasma torch you can perform mechanized gouging without changing machines.

The optional Welding Kit (GOF-3255) provides everything you need for in-process torch adjustment of the vertical and horizontal plane. The fits-all clamp will accept and accommodate any hand held or machine barrel welding gun and allow the operator to position the gun at any angle they desire. The built-in trigger contactor allows the operator to activate the wire feeder from a switch on the top of the unit.



*Shown above, plasma setup to perform back gouging*



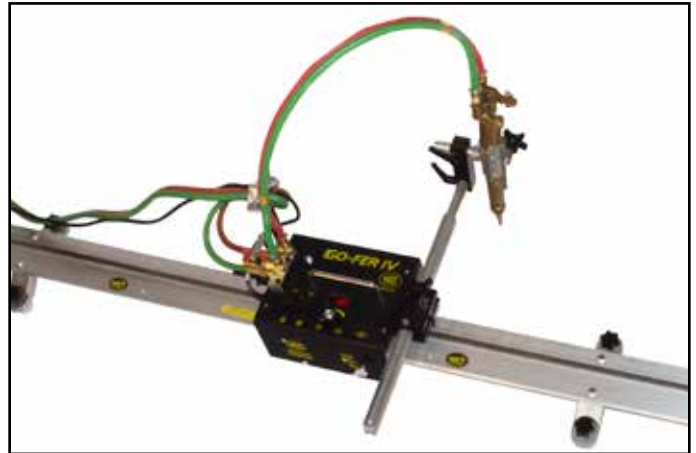


## GO-FER® IV

The GO-FER® IV runs on Bug-O's patented Aluminum Rigid Rail for straight-line travel or Bug-O's Semi-Flex Rail for diameters of 30' (9.1 M) or greater. The rail sections are joinable for unlimited run length and are positioned with strong, Rare-Earth, On/Off Magnets or Bug-O Vacuum cup support system for non-ferrous applications.

### Features:

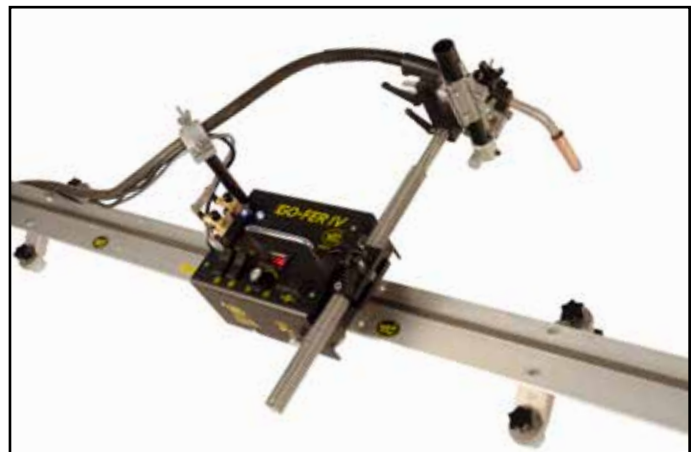
- A drive motor to suit all applications with speeds from 2.5 to 100 ipm (63.5-2540 mm/min)
- Bright digital pre-settable travel speed meter for actual ipm
- Two independent built-in contactors for dual torch applications
- Large industrial sealed rocker switches (welding glove friendly)
- Quick-Action Gas manifold, twin-hose assembly and cable anchor
- Power cord with plug-in lock
- Torch adjustment racking for oxy-fuel and plasma cutting
- Low profile case
- Top Central Carrying Handle
- Proudly Made in USA
- Supported by our 3-Year Warranty
- Optional Weld Racking Group available
- An International version (GOF-4002) includes a 240v power cord and twist-lock plug



*Shown above, oxy-fuel setup of Go-fer IV*



*Shown above, plasma setup of Go-fer IV*



*Shown above, welding setup of Go-fer IV*



# GO-FER® IV

## Additional Rail Options:



- (1) **ARR-1080** 8' Aluminum Rigid Rail  
93-7/16" Actual Length (2.37 m)
- (2) **ARM-2010** R.E. On/Off Magnet
- (2) **ARM-2015** Spacer Bar



- (1) **ARR-1085** 4' Aluminum Rigid Rail  
46-9/16" Actual Length (1.18 m)
- (2) **ARM-2010** R.E. On/Off Magnet
- (2) **ARM-2015** Spacer Bar



- (1) **AFR-3000** Semi-Flex Rail
- (4) **AFR-2010** R.E. On/Off Magnet for Semi-Flex Rail

**AFR-3000 Semi-Flex Rail** can be bent inside or outside to a minimum radius of 15' (5.0 m) or 30' (10.0 m) diameter without permanent deformation.

### ARM-2010 ARM-2010-HH\*



R.E. On/Off Magnet for ARR Rail only  
Holding power 250 lbs. (113.4 kg)  
Can be switched on and off for rapid set-up.

### ARM-2015



Spacer Bar for Aluminum Rigid Rail

### AFR-2010 AFR-2010-HH\*



R.E. On/Off Magnet for AFR-3000 Rail only  
Holding power 250 lbs. (113.4 kg)  
Can be switched on and off for rapid set-up.

\*All **XXX-2010-HH** are "High Heat" models and are rated at 180°C (356°F) for high temperature applications.

## Vacuum Systems For Non-Ferrous Metals

### Standard Vacuum Support Kits:

#### ARV-1080 Vacuum Kit

For ARR-1080 & AFR-3000 Rails.

#### ARV-1085 Vacuum Kit

For ARR-1085 Rails

#### ARV-2020 120 Volt/50-60 Hz

#### ARV-2030 220 Volt/50-60 Hz

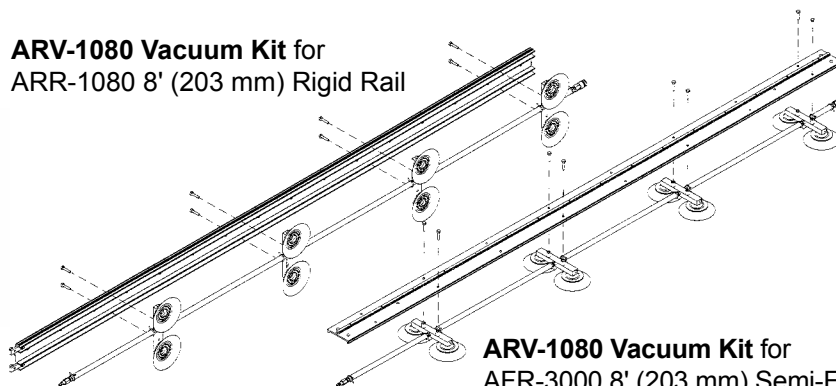
The ARV-2020 (ARV-2030) Vacuum Pump Kit is recommended for use with a maximum of four (4) pieces of rail, or sixteen (16) vacuum bars.



#### ARV-1080 Vacuum Kit for ARR-1080 8' (203 mm) Rigid Rail



**ARV-1085 Vacuum Kit** for  
ARR-1085 4' (102 mm) Rigid Rail



**ARV-1080 Vacuum Kit** for  
AFR-3000 8' (203 mm) Semi-Flex Rail



# GO-FER® IV ACCESSORIES

## Accessories:



**GOF-3255**  
Welding Support Kit  
Provides vertical torch adjustment

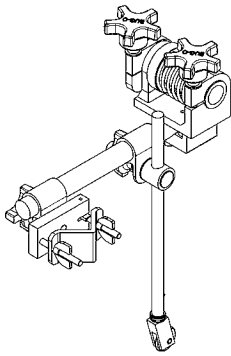


**MUG-1119-32**  
3-Hose Assembly,  
32" Length

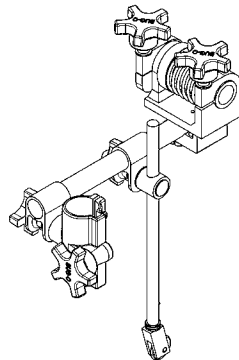


**GOF-4025-3**  
3-Hose  
Manifold

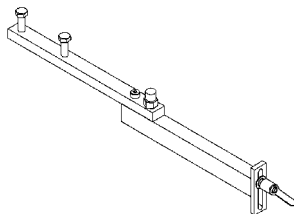
Panographs are spring-loaded devices that maintain torch stand-off and compensate for plate surface irregularities.



**PAN-1007**  
Welding Panograph  
Assembly



**PAN-1010**  
Cutting Panograph  
Assembly



**ARR-1090** Rail Alignment  
Tool gauging device for rapid  
alignment of aluminum rigid  
rails to joint

**AFR-1090** Rail Alignment  
Tool gauging device for rapid  
alignment of semi-flex rails  
to joint



**MDS-1085** Weld Contact Cable 15'  
**MDS-1085-25** Weld Contact Cable 25'  
**MDS-1085-50** Weld Contact Cable 50'



**BUG-1271** 2-Hose & Rack, 10" (254 mm) Barrel, Acet. (Harris)

**BUG-4071** 2-Hose & Rack, 10" (254 mm) Barrel, Natural Gas Propane (Harris)

**BUG-1293** 2-Hose & Rack, 10" (254 mm) Barrel, Natural Gas Propane (Victor)

**BUG-1294** 2-Hose & Rack, 10" (254 mm) Barrel, Acet. (Victor)

Please refer to Bug-O Torch Brochure for torch tips and more info.



**GOF-4030**  
Dual Gun Racking



**GOF-3142** Radius Cutting Attachment  
Enables the Go-fer IV to be quickly changed from a straight line to a circle cutting machine.

**Size Range:** 8" to 96" (203 mm to 2438 mm) diameter



# GO-FER® IV

### GOF-4000 Kit Includes the following:

- 1 ARR-1080 Heavy Duty Rigid Rail 93.50" (2.37m)
- 2 ARM-2010 On/Off Magnet Assembly
- 2 ARM-2015 Spacer Bar Assembly
- 1 GOF-4001 Go-fer IV® 120 VAC base machine

### GOF-4002 240 VAC Kit

For machine only (no rail or magnets)

**GOF-4001** 120 VAC

**GOF-4003** 240 VAC

### GOF-4001 Includes the following:

- 1 Go-fer IV® Drive Unit
- 1 BUG-5188 Torch Holder Assembly
- 1 BUG-5451 3.5" Rackholder
- 1 BUG-5462-5 Right Angle Clamp Assembly, 5"
- 1 BUG-9448 1/2" Wrench
- 1 BUG-9449 Hex Key Kit Special
- 1 GOF-4018 Cable Anchor Assembly
- 1 GOF-4025 Manifold Assembly
- 1 MUG-1617 Cable Connector, 4-T, F, Elbow
- 1 PAN-1015 Rack 22.625"

**NOTE:** Base machine is dual voltage (120 - 240 VAC)  
The only difference is the supplied power cord.

## Technical Data:

**Part Numbers:** **GOF-4000**  
120VAC/50-60Hz/1Ph

**GOF-4002**  
240VAC/50-60Hz/1Ph

**Travel Speed:** Infinitely variable from  
2.5-100 ipm (63.5-2540 mm/min)

**Load Capacity:** 15 lbs (6.8 kg) vertical  
60 lbs (27.3 kg) horizontal

**Magnet Holding Power:** 250 lbs (113 kg)

**Dimensions of GOF-4001:** 14.5" L x 27.5" W x 13.25" H  
369 x 699 x 337 mm

**Weight of GOF-4001:** 17 lbs. (7.7 kg)

**Net Weight of Kit:** 37 lbs. (16.8 kg)

**Shipping Weight of Kit:** (Box 1) 26 lbs. (11.8 kg)  
(Box 2) 16 lbs. (7.26 kg)

**Dimensions of Kit:** (Box 1) 24" L x 10" W x 11" H  
610 x 254 x 279 mm  
(Box 2) 96" L x 5" W x 2" H  
2438 x 127 x 51 mm

