

# MK Python System



## Cobramatic® Push-Pull System

The Cobramatic® Push-Pull Wire Feed System is the field proven method for feeding soft aluminum wire. Since inception in 1966, the patented Push-Pull welding technology to feed wire through a welding conduit has dominated the aluminum welding industry. Whether its Marine, Aerospace, Transportation or Industrial, the Cobramatic® Welding System is unsurpassed for Quality and Performance. The Cobramatic® wire feeder employs a constant-torque slave motor drive system that is always trying to feed wire faster than the torch motor demands. Conversely a variable speed DC motor is located in the welding torch and it is this motor that is responsible for controlling the actual wire feed speed through the system. This combination of non-synchronized motors provides reliable, consistent and repeatable wire feed speeds, with torch lead lengths up to 50 feet from the wire feed cabinet. The Cobramatic® systems are easy to set-up, operate and maintain. As a result, tens of thousands of systems are in operation throughout the world feeding various types of wires, including aluminum alloys, copper alloys, solid and cored wire and other exotic alloys.

### Cobramatic® Push-Pull Wire Feeder

The Cobramatic® Push-Pull Wire Feeder cabinet has some striking new features. The patented Wire Retainer performs two important functions:

- a) spool drag tension
- b) wire leveling on the spool.

Another patented feature includes our simple “one lever” wire selector for precise tension and smooth wire feed regardless of material. The PosaStart® circuit provides smooth starts when used with Constant Current DC power supplies including gas drives, multiple grid systems and Constant Voltage power supplies. The cabinet accommodates 12” wire spools.



### Python® Advanced Gooseneck Torch



Power and Performance is the best way to describe the **Python®** Torch, a torch so advanced that even the competition is on edge. Taking a lesson from both the Cobra® Gooseneck and the Prince® XL, the Python® adds its own unique set of features with time proven design to bring together the most advanced welding torch available. Convenient trigger location and “finger-tip” wire speed adjustment makes the Python® destined to be a favorite among both new and experienced welders. One look at this new torch, and you will know why MK is still the world leader in wire feeding technology.

### Packages:

	Part No.	
<b>Power-Master, 500P Package</b>	<b>100066</b>	Packages include Power Supply, Wire Feeder Cabinet, 25' Python, Torch, Running Gear Cylinder Rack, Regulator / Flowmeter, Work Lead, Gas Hose, Drive Roll Kit of Your Choice and 5 Cabinet Tips.
<b>Power-Master, 500 Package</b>	<b>100067</b>	
<b>Ultra Flex™ 350 Pulse Package</b>	<b>100068</b>	

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## Specifications Information:

### Python® Advanced Gooseneck Torch

- Wire Capacity  
.030" - .045" Solid & Hard Wire  
.030" - 1/16" Aluminum & Cored Wire
- Wire Speed 800 IPM MAX. (20.3 mpm)
- Duty Cycle – 100% Using Argon at 25VDC
- Weight (Head Only) 2.5 lbs. (1.13 kg)

### Cobramatic® Wire Feeder

- Wire Diameter Capacity  
.030 - 1/16" All Types (.76mm - 1.58mm)
- Wire Spool Size 12" Standard (Insulated or Non-Insulated)
- Contactor Outputs 115VAC (with 115VAC input only) or Closing Contacts
- Input Voltage 115VAC 50/60 Hz
- Power Requirement 2 amps @ 115VAC
- Weight 31 lbs. / 14.0 kg
- Shipping Weight 36 lbs. / 16.3 kg



## Ordering Information

	Part No.		Part No
<b>Cobramatic Cabinet</b>	600284	<b>Contact Tips</b>	
Includes Gas/Trigger Kit & 19-pin interface.		.030" Wire	621-0390
		.035" Wire	621-0391
<b>Python 25' Torch</b>	225-825	3/64" Wire	621-0393
		1/16" Wire	621-0394
<b>Drive Roll Kits</b>		<b>Shield Cups</b>	
.030" Grooved	005-0640	#8 Cup 1/2" ID	621-0249
.035" Grooved	005-0641	#10 Cup 5/8" ID	621-0250
3/64" Grooved	005-0643	#10HD Cup 5/8" ID	621-0251
1/16" Grooved	005-0644		
<b>Liners</b>			
Nylon Barrel Liner (package of 5)	600283		
Steel Barrel Liner	615-0338		
25' Nylon Conduit	615-0008		
25' Flat Spiral Steel Conduit	615-0216		

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WORLD HEADQUARTERS: Suite 300, 16052 Swingley Ridge Road • St. Louis, MO 63017 • 636-728-3000



2200 Corporate Drive • Troy, OH 45373

**CUSTOMER SERVICE: 800-255-5846 • FAX 800-332-0946**



International Customer Service  
Oakville, Ontario, Canada  
Ph: (1) 905-827-9777  
Fax: (1) 905-827-9797

Thermadyne Canada  
Oakville, Ontario Canada  
Ph: (1) 905-827-1111  
Fax: (1) 905-827-3648

Thermadyne Europe  
Chorley, England  
Ph: (44) 1257-261755  
Fax: (44) 1257-224800

Thermadyne Asia Sdn. Bhd.  
Kuala Lumpur, Malaysia  
Ph: (603) 6092-2988  
Fax: (603) 6092-1085

Cigweld Australia  
Melbourne, Australia  
Ph: (61) 3-9474-7400  
Fax: (61) 3-9474-7510

Unique Welding Alloys  
Johannesburg, South Africa  
Ph: (27) 11-917-3600  
Fax: (27) 11-917-8580

Thermadyne Victor Brasil  
Rio de Janeiro, Brazil  
Ph: (55) 21-2-485-8990  
Fax: (55) 21-2-485-8735

Thermadyne Middle East  
Dubai, United Arab Emirates  
Ph: (971) 4-332-9060  
Fax: (971) 4-332-5484

Thermadyne de Mexico  
Mexico City, Mexico  
Ph: (52) 55-5657-9494  
Fax: (52) 55-5648-8805

Thermadyne Japan  
Osaka, Japan  
Ph: (81) 6-4809-8411  
Fax: (81) 6-4809-8412

Thermadyne Chile  
Santiago, Chile  
Ph: (56) 2-557-2465  
Fax: (56) 2-557-5349