

WIRE FEEDERS

THERMAL ARC

A THERMADYNE Company

COBRAMATIC® PYTHON® Push-Pull System



PROCESS	MIG	FLUX CORED	PULSE MIG	
Part Number	Feed Rolls	Wire Speed Range	Wire Size Range	Net Weight
600284-001 (115 V Cabinet)	2	800 IPM 20.3 (m/min.) Max	.030" - 1/16" (0.8 - 1.6 mm)	47 lbs. (12.7 kg)
225-825 (Python 25' Torch)	2	-	.030" - .045" (0.8 - 1.1 mm) Solid & Hard Wire .030" - .045" (0.8 - 1.1 mm) Aluminum & Cored Wire	36 lbs. (17.2 kg)

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:

- spool drag tension
- wire leveling on the spool

Another patented feature includes a 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.

Cobramatic®, Cobra®, Python®, PosaStart® and Prince® are registered trademarks of MK Products Inc.

Part No.
600284-001
\$1,782.18



Cobramatic® Wire Feeder

Part No.
225-825
\$1,771.87



Python® Advance Gooseneck Torch
Uses Cobramatic Style MIG Consumables

SP-2001 SPOOL GUN, SPC-2001 CONTROL BOX, AG-2000 ASSIST GUN



PROCESS	MIG	FLUX CORED	PULSE MIG		
Part Number	Feed Rolls	Wire Speed Range	Wire Size Range	Dimensions (H x W x D)	Net Weight
100013-001 (SPC-2001) (24 VDC Control Box)	-	-	-	7.4" x 5.7" x 6.5" 188 x 145 x 165 (mm)	12 lbs. (5.4 kg)
100013-002 (SPC-2001) (115 VAC Control Box)	-	-	-	7.4" x 5.7" x 6.5" 188 x 145 x 165 (mm)	12 lbs. (5.4 kg)
407838B-001 (50" SP-2001 Spool Gun)	2	50 - 650 (IPM) 1.3 - 16.5 (m/min)	.030", - .035", 3/64" 0.76, 0.89, 12.0 (mm)	-	22 lbs. (10 kg)

Two items ideal for applications in fabricating, repair/maintenance, production welding, auto body shops, vocational/technical schools and trailer and fleet construction repair are the SP-2001 Spool Gun and the SPC-2001 Control Box.

The SP-2001 spool gun is designed for .030" / 0.76 mm, .035" / 0.89 mm and 3/64" / 1.2 mm diameter soft wire such as aluminum wire with argon as a shielding gas. The SP-2001 is out of the box ready-to-weld and has six extra tips included with the gun. Lead length allows this lightweight gun to extend and reach up to 50 ft. / 15.2 m away from the power source. With an adjustable nozzle and heavy-duty front-end parts, the SP-2001 is ideal for "tough-to-weld" jobs. By locating the wire spool next to the feed rolls, the SP-2001 spool gun, with associated SPC-2001 control box, solves the problem typically associated with feeding soft alloy wires (such as aluminum) long distances.

The SPC-2001 Control Box can operate on either CV or CC/CV power sources. In addition to controlling wire feed speed, the control box controls both run-in speed and gas valve operation. The control module box is available to operate on power supplies with either 115 VAC or 24 VDC with output contactor.

FEATURES

SP-2001 Spool Gun

- 50 ft. / 15.2 m
- Lightweight Torch
- Clear Gun and Spool Covers
- Drive Roll Lever for Purging and Wire Threading
- Easy to Use Trigger
- Wire Feed Speed Adjustment in Handle
- Adjustable Wire Feed Speed

SPC-2001 Control Box

- Two Models
 - 14 Pin Amphenol for 24 VDC Power Supplies and 25 mm male Dinse Connector
 - 19 Pin Amphenol for 115 VAC Power Supplies and 1/2" Lug Connector
- Built-In Gas Solenoid and Gas Preflow Adjustment
- Quick Connection to Machines
- 6 ft. / 1.8 m Control Cable Supplied
- 6 ft. / 1.8 m Weld Cable Supplied
- Run-In Speed Control Adjustment

Part No.
407838B-001
\$908.43



SP-2001 Spool Gun

Part No.
100013-001
\$385.82

Part No.
100013-002
\$420.95



SPC-2001 Control Box

Additional Accessories are respectively shown on other pages in this "Joining & Cutting With Electricity" Section