

WELDING POSITIONERS



PT-450M

Control Boxes

CB-004 Standard Control:

- Remote Foot Switch with ON/ OFF control
- Contactor Control (foot switch closes circuit)
- Speed, & Time Adjustment 60 seconds
- Variable Speed Foot control receptacle (plug) built in
- T Slotted Machined Table Top

Optional Variable Speed Foot Control – VSFC-1K

PT-201

Table angle adjustment with worm gears and crank handle

PT-101

Manual table angle adjustment with locking screw

Control Boxes

CB-001 Standard Control:

- Remote Foot Switch with ON/ OFF control
- Contactor Control (foot switch closes circuit)
- Speed, & Time Adjustment 60 seconds

Optional Control Boxes:

CB-002 Standard Control Plus Weld Travel Control

Weld Travel Control with magnetic proximity switch:

- 0-5 sec travel start delay, speed control, weld travel control 360° to 400° & return to original starting position by sensor setting.

CB-007 Standard Control Plus Sequencer

Sequencer Adjustable timers: 60 seconds

- Initiate pneumatic Tail Stock & Torch Holders
- Standard speed, time, & contactor controls
- Retraction of pneumatic Tail Stock & Torch Holders

CB-001V Factory Variable Speed Kit

CB-001VF Field Variable Speed Kit

The variable speed kit maintains all of the Standard Control features. Plus the ability to use a Foot Control for variable speed of the full range.



Standard Speed Ranges (A or D)
 "A Range" is Low Speed - High Torque - Manual Welding
 "D" Range is High Speed - Low Torque
PT-101 - 220lbs PT-201 - 440lbs
Speed range gear box field kits
 (easy four bolt installation)

- 0351-0109 Gear Reducer, 1/15 (Speed Range:A) 0.15 - 4 RPM
- *0351-0115 Gear Reducer, 1/7.5 (Speed Range:B) 0.3 - 8 RPM
- *0351-0122 Gear Reducer, 1/15 (Speed Range:C) 0.4 - 12 RPM
- 0351-0129 Gear Reducer, 1/3.6 (Speed Range:D) 0.55 - 16 RPM
- * Optional Speed Ranges (order field kit)



OPTIONAL ACCESSORIES - Welding Chucks

(PT-101, PT-201 & PT-450M)

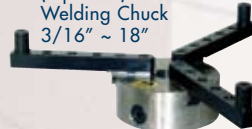
PG-150

Outside Clamp: 3/16" ~ 6"
 Inside Clamp: 2" ~ 5-7/8"



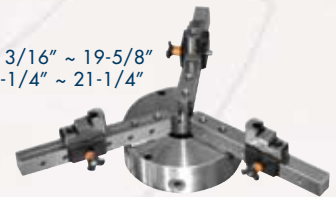
PG-450

(Optional)
 Welding Chuck
 3/16" ~ 18"



PG-500

Outside Clamp: 3/16" ~ 19-5/8"
 Inside Clamp: 2-1/4" ~ 21-1/4"



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Welding Positioners, Manipulators, Head & Tail Stock Assembly, Turntables, Welding Lathes, Seamers, Coil Splicers, Turning Roll Sets, CNC-Cutting Machines

WELDING POSITIONERS

E.Z.Arc Systems

MODEL	UNIT	PT-101A	PT-101D	PT-201A	PT-201D	PT-450M
POWER INPUT	-	1 Phase 110/220V 50/60Hz				
HORIZONTAL CAPACITY	lb	220		440		990
VERTICAL CAPACITY	lb	165		330		660
RATED CENTER OF GRAVITY	in	2 (Max)				
RATED ECCENTRICITY	in	4 (Max)				6 (Max)
TABLE DIMENSION (D)	in	12-5/8				17-11/16
ROTATION SPEED	rpm	0.55~4	1~16	0.55~4	1~16	0.12~2.5
ROTATION TORQUE	lb-in	570	145	960	240	2600
**ROTATION RATING @ ECCENTRIC CG	lb@in	130lb@1 inch	130lb@1 inch	280lb@1 inch	240lb@1 inch	660lb@4 inch
		130lb@2 inch	70lb@2 inch	280lb@2 inch	120lb@2 inch	330lb@8 inch
		130lb@4 inch	35lb@4 inch	240lb@4 inch	60lb@4 inch	220lb@12 inch
		70lb@8 inch	15lb@8 inch	120lb@8 inch	30lb@8 inch	110lb@24 inch
		45lb@12 inch	10lb@12 inch	80lb@12 inch	20lb@12 inch	70lb@36inch
		20lb@24 inch	5lb@24 inch	40lb@24 inch	10lb@24 inch	55lb@48 inch
SPINDLE THRU HOLE	in	1-1/2				1
TABLE SLOT BOLT SIZE	in	3/8				
EARTHING CAPACITY	amp	300				
ROTATION MOTOR	hp	1/20		1/12		1/6
TILT RANGE	degree	0-120				0-135
*OVER HUNG LOAD TILT RATING @ ECCENTRIC CG	lb@in	130lb@4 inch		280lb@4 inch		660lb@12 inch
		65lb@8 inch		140lb@8 inch		370lb@24 inch
		30lb@12 inch		90lb@12 inch		260lb@36 inch
		15lb@24 inch		45lb@24 inch		220lb@48 inch
WELDING TIMER	second	0-60				
OVERALL LENGTH (A)	in	16-1/4				25
OVERALL WIDTH (B)	in	16-1/4				24
OVERALL HEIGHT (C)	in	13-3/8				25
TABLE TOP DIAMETER DIMENSION (D)	in	12-1/2				17-1/2
CENTER TO FLOOR (E)	in	10				21-1/4
NET WEIGHT	lb	75		80		300

Specifications subject to change without prior notice.

TECHNICAL INFORMATION

<p>PT-450M</p> <p>*Over hung tilt rating lb@CG height</p>	<p>PT-450M</p> <p>**Rotation rating lb@eccentric CG</p>	<p>Technical diagrams</p>
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