

GENSTAR TECHNOLOGIES COMPANY, INC.

*Benchmarkic*  
**E·Z·ARC SYSTEMS**

*Welding Positioners  
Turning Rolls*



[www.genstartech.com](http://www.genstartech.com)

 **GENTEC**<sup>®</sup>  
GENSTAR TECHNOLOGIES

# E·Z·Arc System

E·Z·Arc System is a combination of Positioner and DIY Accessories Kit in bench design. A wide choice of components creates great flexibility in the automatic welding system. Components are easy to change to minimize the setup time. The special capability of E·Z·Arc System produces high quality circumferential welds, and provides the advantage of fast pay-back, safety and less worker fatigue. It is easy to order. Just select the positioner, DIY Kit and accessories as needed.

## E·Z·Arc System features:

- CE Conformity
- Standard  $\phi 1.5$ " through-hole
- Remote foot switch – ON/OFF Controller
- All units are high frequency protected
- Weld timer control for precise adjustment of the welding period
- Heat and spatter resistant air hose
- Optional Flange-Adapting Fixture (10-613) with bearing of any required fixture
- Optional CB002 overweld control
- Optional CB007 sequencer control
- Optional Pneumatic torch holders

**Easy to order - Just order the Positioner, DIY Kit & Accessories as needed.**

Model Number	Specifications
<b>Positioner</b>	
PT-100A	220 lb, 1-15 rpm
PT-100B	220 lb, 0-4 rpm
PT-200A	440 lb, 1-15 rpm
PT-200B	440 lb, 0-4 rpm
<i>"A" (1-15RPM)MIG. "B" (0-4RPM)TIG &amp; Plasma</i>	
<b>DIY Accessories Kits</b>	
DIY-U-06	U Type, 24" L
DIY-S-06	S Type, 24" L
DIY-R-12	R Type, 48" L
DIY-R-15	R Type, 60" L
DIY-R-18	R Type, 72" L
DIY-L-12	L Type, 48" L
DIY-L-15	L Type, 60" L
DIY-L-18	L Type, 72" L

## DIY Accessories Kit Components and Optional Accessories



### Positioners Standard Features:

- Remote Foot switch with ON/OFF control
- Speed control
- Timer
- Contactor control circuit

### Speed range gear box field kits

#### Easy four bolt installation:

- 20-243 "A range" 1-15 RPM
- 20-247 "B range" 0-4 RPM
- 20-248 "C range" 0.5-8 RPM
- 20-249 "D range" 0.75-12 RPM

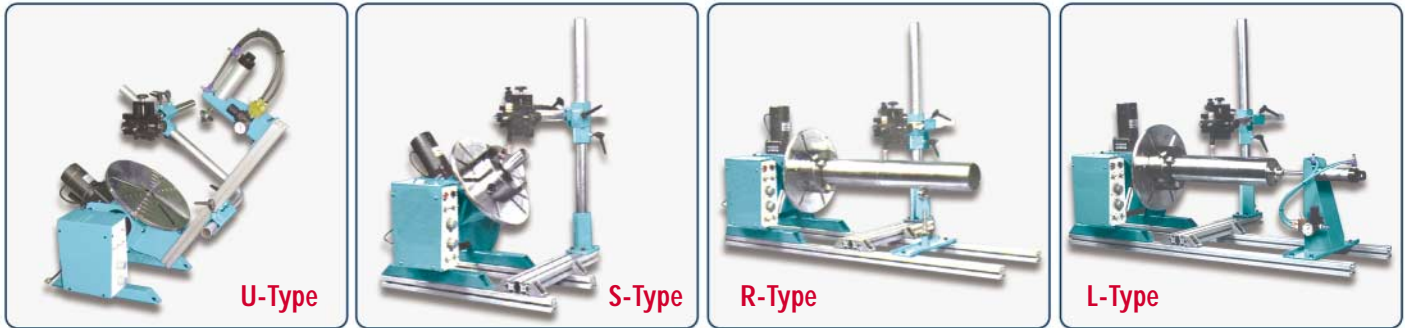
## E·Z·Arc DIY Accessories Kit Components

Fig. No.	Model No.	Description/Specification	DIY -									
			U-06	S-06	R-12	R-15	R-18	L-12	L-15	L-18		
1	1106	Base Rail, 24" long		1								
	1112	Base Rail, 48" long			1			1				
	1115	Base Rail, 60" long					1		1			
	1118	Base Rail, 72" long						1			1	
	4095	Main Bracket for U Type	1									
2	2050	Mounting Rail, 20" long		1	1	1	1	1	1	1	1	1
	2065	Mounting Rail, 26" long	1									
3	2110	End Bracket		1	1	1	1	1	1	1	1	1
	2280	End Bracket	1									
4	3064	90° Column Tube, 24"x16"	1									
	3075	Column Tube, 30" long		1	1	1	1	1	1	1	1	1
5	2005	Support Bracket		1	1	1	1	1	1	1	1	1
	2004	Support Bracket	1									
6	2044	Cross Bracket	1									
	2054	Cross Bracket		1	1	1	1	1	1	1	1	1
7	3040	Boom Tube with mounting pad, 16"L	1	1	1	1	1	1	1	1	1	1
8	TS-075	Tailstock, 3" stroke, w/Std 10-614							1	1	1	1
	TS-075S	Tailstock, 3" stroke, w/Std 10-614	1									
9	10-614	Standard Fixture with Bearing	1						1	1	1	1
10	IS-300	Idler Stand for R Type, 1-3/16"~11-13/16"			1	1	1	1				
11	SL-050	Slide, 2" stroke	2	2	2	2	2	2	2	2	2	2
12	VH-035	V-Block Torch Holder, $\phi 5/8$ "~1-3/8"	1	1	1	1	1	1	1	1	1	1

## E·Z·Arc Optional Accessories

Fig. No.	Model No.	Description/Specification	*Control Boxes
11	SL-075	Slide, 3" stroke	<b>CB-001 Standard Control:</b> • Remote Foot Switch with ON/OFF control • Contactor Control (foot switch closes circuit) • Speed, & Time Adjustment
12	AH-035	Any Angle Holder, $\phi 5/8$ "~1-3/8"	
13	PG-150	3-Jaw Chuck, OD 3/16"~6"	<b>Optional Control Boxes:</b> <b>CB-002 Standard Control Plus Weld Travel Control</b> 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
	PG-450L	3-Jaw Chuck, OD 3/16"~18"	
14	TA-100	Pneumatic Torch Actuator, 4" Stroke	<b>CB-007 Standard Control Plus Sequencer</b> Sequencer Adjustable timers: • Initiate pneumatic Tail Stock & Torch Holders • Standard speed, time, & contactor controls • Retraction of pneumatic Tail Stock & Torch Holders
	TL-100	Pneumatic Torch Lift, 22.5° Lift Angle	
15	*CB-002	Sequencer Control Box	<b>CB-001V Factory Variable Speed Kit</b> <b>CB-001VF Field Variable Speed Kit</b> 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.
	*CB-007	Sequencer Control Box	
16	1712	Welding Table, 47" x 24"	
	1715	Welding Table, 59" x 24"	
	1718	Welding Table, 71" x 24"	
17	10-613	Flange-Adapting Fixture with Bearing	

# DIY Accessories Kits



**U-Type**

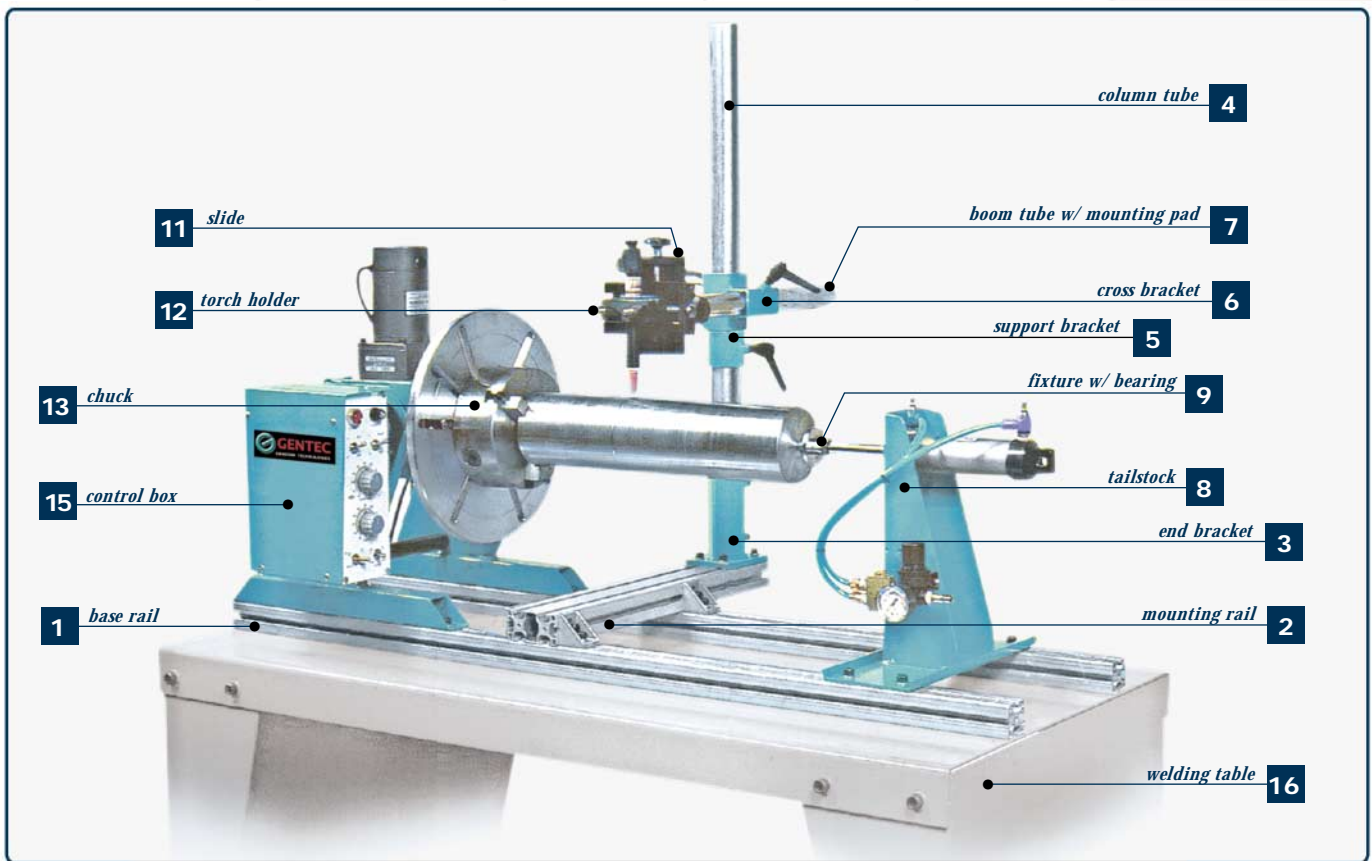
**S-Type**

**R-Type**

**L-Type**

Models shown above are with Positioners and 3-Jaw Chucks. Positioners and 3-Jaw Chucks are not part of the DIY Accessories Kits.

## DIY Accessories Kit Components



**11** slide

**12** torch holder

**13** chuck

**15** control box

**1** base rail

column tube **4**

boom tube w/ mounting pad **7**

cross bracket **6**

support bracket **5**

fixture w/ bearing **9**

tailstock **8**

end bracket **3**

mounting rail **2**

welding table **16**

Order as shown in the Figure: one DIY-L-12 L-Type Accessories Kit, one PT-100A Positioner, one PG-150 3-Jaw Chuck, one 1712 Welding Table (47"x24"). Welding Torch is not included.

## Optional Accessories



**14** TA-100  
Torch Slide

**14** TL-100  
Torch Lift

**10** IS-300  
Idler Stand

**10** 10-613  
Flange-Adapting Fixture w/ Bearing

(Welding Torch, Slide, Column and Boom are not included.)



# Welding Positioners

- The DC drive P.C. board is protected against high-frequency interference
- Turning table tilts over a wide range for the convenience of various welding positions
- Spindle has a  $\phi 1\text{-}1/2$ " through hole for pipe working or gas purging applications
- Slotted turning table provides quick mounting for various work holding fixtures
- Timing controller precisely adjusts the weld period

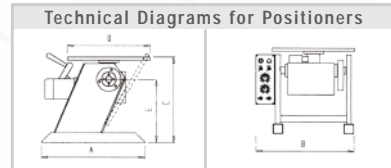


#### Standard Features:

- Foot control-ON/OFF
- Contactor control
- Speed control
- Timer controller

#### Variable Speed Options:

- CB-001V Factory Variable Speed Kit
- CB-001VF Field Variable Speed Kit
- The variable speed kit maintains all of the standard features plus the ability to use a foot control for full range variable speed



ITEM	PT-100A PT-100B	PT-200A PT-200B
POWER INPUT	1PHASE 110/220V	
CAPACITY(lb) (HORIZONTAL/VERTICAL)	220/165	440/330
RATED CENTRE OF GRAVITY(in)	2 (Max)	
RATED ECCENTRICITY(in)	4 (Max)	
TABLE DIMENSION D(in)	12-5/8	
ROTATION SPEED(RPM)	A: 1-15/B: 0-4	
SPINDLE THRU HOLE(in)	1-1/2	
TABLE SLOT BOLT SIZE(in)	3/8	
EARTHING(Amp)	300	
ROTATION MOTOR(hp)	1/20	1/12
TILT RANGE(degree)	0-120	
WELDING TIMER(second)	0-60	
OVERALL LENGTH A(in)	16-1/4	
OVERALL WIDTH B(in)	16-1/4	
OVERALL HEIGHT C(in)	13-3/8	
CENTER TO FLOOR E(in)	10	
WEIGHT(lb)	82	88

# Turning Rolls

## \*TR-0100

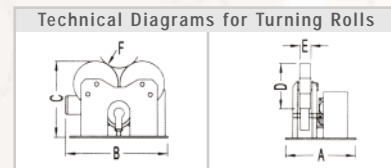
- The DC drive P.C. board is protected against high-frequency interference
- Remote foot switch ON/OFF controller
- Designed for various small welding applications and long production runs
- "Forward/Stop/Reverse" switch

#### Standard Features:

- Foot control-ON/OFF
- Speed control

## \*TR-3504

- Direct final positive gear drive
- Roll work range: from 3/8" ~ 55" diameter, without changing wheel center
- "Forward/Stop/Reverse" switch and potentiometer for stepless speed adjustment
- Ideal for pipe working
- High Quality PU rubber tires provide friction drive and smooth pipe rotation



ITEM	*TR-0100	*TR-3504
POWER INPUT	1 PHASE 110/220V	1 PHASE 220V
TURNING CAPACITY(lb)	2200	7700
LOAD CAPACITY(lb) (DRIVE & IDLER)	2200	7700
DIAMETER RANGE, F(in)	1 ~ 31-3/8	3/8 ~ 55
SPEED RANGE(in/min)	3 ~ 63	3 ~ 47
ROTATION MOTOR(hp)	1/12	1/2
ROLLER DIA., D(in)	8	8
ROLLER WIDTH, E(in)	2	4
OVERALL LENGTH, A(in) (DRIVE/IDLER)	12-5/8 / 6-5/16	17 / 11
OVERALL WIDTH, B(in) (DRIVE/IDLER)	18-1/2 / 17-3/4	31-1/2 / 28
OVERALL HEIGHT, C(in)	13-5/16	20
NET WEIGHT(lb) (DRIVE/IDLER)	81.5/37.5	242.3/121

(Optional Idler roll sets available)

\* PT-450M, TR-0100 and TR-3504 are not compatible with standard DIY Accessories Kits.

Visit our website for complete product offering:  
Welding Positioners, Manipulators, Head & Tail Stock Assembly, Turntables,  
Welding Lathes, Seamers, Coil Splicers, Turning Roll Sets, CNC-Cutting Machines

**Genstar Technologies Company, Inc.**

4525 Edison Avenue • Chino, CA 91710

Tel 909-606-2726 • Fax 909-606-6485

[www.genstartech.com](http://www.genstartech.com)