

# TABLE TOP WELDING POSITIONERS

## Mechanized Automation



AD1043-87 Manual Tilt Positioner  
(500 lbs) with AD1043-97 2.5 in.  
Material Pass Through Option and  
AD1043-94 Momentary On/Off Foot  
Switch

Lincoln Electric® welding positioners can be used manually or combined with mechanized automation solutions such as Pantheon® manipulators to produce a highly efficient work cell. Positioners feature a heavy duty integrated tilt gear to provide smooth turning and tilting.\*

### Standard features include:

- DC brake motors
- Solid state controls with dynamic braking on the rotation drives
- Worm gear reducers
- User friendly hand crank tilt feature\*
- Heavy duty weldment base

\* NOTE: On 250 lb units and larger, manual tilt on 150 lb units.

**Load Capacity »**  
150 lbs to 1,000 lbs  
See back for complete specs

### Input »



**Product Number »**  
See back for complete specs

## TABLE TOP WELDING POSITIONERS

Description	AD1043-84	AD1043-85	AD1043-86	AD1043-87	AD1043-88
Load capacity (lbs)	150	150	250	500	1000
Input Power	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
Rotational motor size (HP)	1/8	1/8	1/8	1/4	1/2
Rotation speed (RPM)	0.2-10	0.1-5	0.2-5	0.2-5	0.06-3
Rotation torque (In/lbs)	375	375	625	1250	6000
Tilt range (Degrees)	0-90	0-90	0-90	0-135	0-90
Tilt motor size	Manual	Manual	Manual	Manual	Manual
Spindle Thru Hole	N/A	N/A	Option	Option	N/A
Offset Distance (in.)	2	2	2.5	2.5	6
Table Size (in.)	12	12	12	20	20
Table Height 90 degree	9	9	10	15	18
Table Height Flat (in.)	12	12	13	18	25
Weight (lbs)	95	95	200	260	540
Recommended Gripper Sizes	6 in. included	6in. included	8 in. maximum	10 in. maximum	12 in. maximum
<b>Factory Installed Accessories</b>	<b>AD1043-84</b>	<b>AD1043-85</b>	<b>AD1043-86</b>	<b>AD1043-87</b>	<b>AD1043-88</b>
* Single Option Start Delay (Rotation)	AD1043-91	AD1043-91	AD1043-91	AD1043-91	AD1043-91
* HMI Programmable Timer Control (Arc and Rotation)	AD1043-92	AD1043-92	AD1043-92	AD1043-92	AD1043-92
* Digital Display	AD1043-93	AD1043-93	AD1043-93	AD1043-93	AD1043-93
* 1/4 in. NPT Purge Hole (Includes Swivel Fitting)	AD1043-95	AD1043-95	AD1043-95	AD1043-95	AD1043-95
* 1.5 in. Material Pass Through Option	N/A	N/A	AD1043-96	N/A	N/A
* 2.5 in. Material Pass Through Option	N/A	N/A	N/A	AD1043-97	N/A
* Momentary On/Off Foot Switch	AD1043-94	AD1043-94	AD1043-94	AD1043-94	AD1043-94
* Forward / Reverse Foot Switch	AD1043-99	AD1043-99	AD1043-99	AD1043-99	AD1043-99
Torch Holder (Manual Adjustment Clamp Lock)	AD1043-100	AD1043-100	AD1043-100	AD1043-100	AD1043-100
Bench Top Support Stand – Extendable Arm	AD1043-101	AD1043-101	AD1043-101	N/A	N/A
Ergonomic Free-Standing Remote Console	AD1043-102	AD1043-102	AD1043-102	AD1043-102	AD1043-102

\* Note: Factory Installed only

### CUSTOMER ASSISTANCE POLICY

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Lincoln Electric has built a solutions portfolio to include all of the competencies to support your need to improve productivity, quality and safety. Lincoln Electric can modify or completely customize the creation of your weld cell to meet those precise needs.

With a global network of facilities and people, you'll get quick response and personalized attention. Contact one of the below facilities for more information on the types of solutions available to help you produce faster, more repeatable, higher quality results.

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