

---

# VERSAGRAPH

## *Millennium Series*



### **3-D Link**

*Contour Plasma  
Bevel Cutting  
Attachment*



#### ***360° of Continuous Rotation***

Koike Aronson now offers a new option for the Versagraph Millennium model machines; the 3D-Link contour plasma bevel cutting attachment. The 3D-Link provides 360° of continuous rotation without wind-up of the plasma torch leads or interconnecting cables. This unit is mounted to the Versagraph Millennium's rigid master carriage, which utilizes A/C servo drives with precision planetary gearboxes and rack & pinion providing unequalled precision and repeatability of the cutting torch.



**KOIKE ARONSON, INC.**



3-D LINK SPECIFICATIONS	
Positioning Speed/Lift	230 IPM
Positioning Speed/Tilt	17 RPM
Positioning Speed/Rotate	60 RPM
Torch Positioning	± 47°
Accuracy Height Control	± .004 inches
Accuracy Tilt	± 0.5°
Accuracy Rotation	± 0.5°
Overall Accuracy	± 0.5°
Repeatability	± 0.25°

*Specifications subject to change without notice*



### 3-D Link Features

Fully integrated initial height sensing using ohmic contact

Real time arc voltage height control with arc voltage tracking within 0.1 arc volts

Automatic kerf detection technology eliminates the need to lock out the height control when crossing the kerf or cornering

Real time monitoring of height control process parameters

Full collision detection for both the torch and the bevel unit

Provisions for simple torch alignment and lubrication fittings to insure long life and dependable operation

Fully enclosed power tracks protect the plasma cables, hoses and wiring

Manual positioning capabilities for lift, tilt and rotate axis

The 3D-Link utilizes the D80 Plus control, which has the following features:

Operating System	Microsoft Windows 98® or Windows NT®
Processor	Intel Pentium®200 Mhz
Memory	64 Megabytes RAM. Expandable to 768 Megabytes
Hard Drive	5.0 Gigabyte Hard Drive (or greater)
Communication	2 x RS232/422; Programmable to 230K Baud
Floppy Drive	1.44 Megabyte Floppy Drive
RFI/EMI	Shielding Complete Opto-Isolation: grounding
Supportable Axes	Standard 2; Optional expansion of up to 6 Axes
I/O	64 Lines of user definable Interface Signal (32 In/32 Out)
Display	10.4" (264) VGA Active Matrix Color LCD Screen
Operating Environment	0 to 50C; 95% relative humidity (non-condensing)
Power	Universal Input

*Specifications subject to change without notice*



**Main Office:**  
 635 W.Main St., P.O.Box 307, Arcade, NY 14009  
 Phone (585) 492-2400 or (800) 252-5232  
 Fax (585) 457-3517

**Visit us at [www.koike.com](http://www.koike.com)**

**Sold By:**