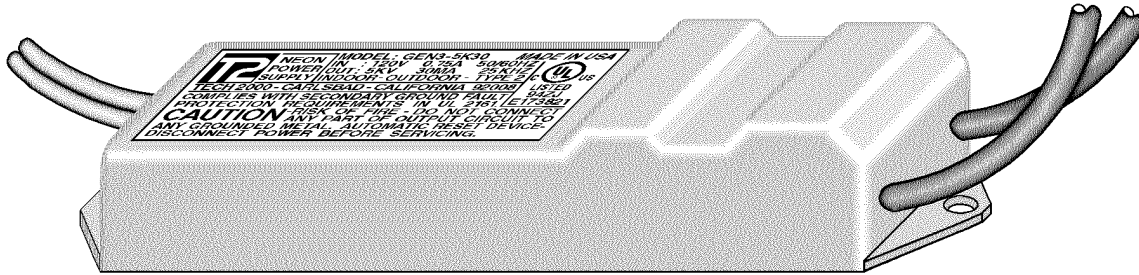


# NEON POWER SUPPLY MODEL Gen3-BEADMAKER



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[www.t2-neonpower.com](http://www.t2-neonpower.com)



MADE IN USA

(unit shown in actual size)

## POWER REQUIREMENTS

Voltage : 120 VAC, 50/60 Hz  
Current : 0.75 A max (depends on load)  
Power : 90 W max (depends on load)

## INPUT CONNECTIONS

Power cord, 8 ft long, black or white.

## OUTPUT CHARACTERISTICS

Shorted output supplies the rated current. Open circuit or excessive load will cause the unit to shut down, but special circuit will attempt to automatically restart power up to three times to avoid nuisance trips.

Rated output voltage : 5kV AC max.  
(actual voltage depends on load and will be equal to or lower than this value.)

Rated output current : 30 mA  
(short circuit)

## OUTPUT CONNECTIONS

GTO-5 leads, 12 inches long.

## BEADING EFFECT ADJUSTMENT

Small screwdriver (jeweler type) can be used to adjust beading control, which is located on the side of the unit.

The complete adjustment range is twenty turns. Internal mechanical clutch prevents damage from overturning the adjustment screw.

## DIMENSIONS

4.00 x 1.40 x 0.90 (max) inches

## MOUNTING

Unit is mounted with two screws.

## FOOTAGE

	9 mm	12 mm
Neon	7 feet	11 feet
Argon	9 feet	15 feet

No minimum limit exists. Footage includes one pair of electrodes.

## APPLICATION HINTS

Higher pressure will produce smaller beads. Mercury, gas mixtures or impurities will degrade contrast of the beads, even though the tube "lights just fine". Only pure gas in un-coated tubing (clear or colored) will produce nice beads. The best gas is krypton, then argon (pure, not in mixture) and neon. Please visit our website for video demonstration of the different gases. Tight bends may cause beading only in some sections of the glass.

## CAUTION

This unit complies with requirements in UL 2161 standard, including secondary ground fault protection requirements.

No grounding means is provided. Separate ground must be used in installations with exposed metal parts.

This device produces high voltage at high frequency and can create potential danger if not applied and installed properly.

This device is provided with an automatic reset function - disconnect power before servicing.

## HOW TO ORDER

Model	supplied with
Gen3-Beadmaker/B	black power cord
Gen3-Beadmaker/W	white power cord