



# BKRF ROTARY RF MACHINE

- **PLCCONTROLLED**— Every parameter is controlled to limit operator error
- **3KRFTECHNOLOGY**— Control of RF throughout the process to limit die wear and arcing
- **PROGRAM STORAGE** — Allows for user to easily change products by simply choosing new set of saved settings
- **PROTECTIVE GUARDING** — Using mirrored light curtains to protect operators and still make changeover easy
- **DATAACQUISITION**— Ability to collect data from weld and process parameters.
- **PERFECT FOR THIN MATERIAL** — Specifically designed press head to limit deflection- critical when welding thin films

## MACHINE OPTIONS

- Machines may accommodate as many as eight sealing stations to maximize productivity.
- Double cycle machine up to 10KW to fit most medical applications
- 3-8 Stations available per Customer Specifications
- Working Heights and Custom Changes easily configured by request

## DOUBLE CYCLE RADIO FREQUENCY EQUIPMENT APPLICATIONS

In the case of medical IV bags containing tubes, a variation of the RF sealing process known as double cycle sealing is often the most effective method. Using a specially designed double cycle machine, RF sealing is accomplished through the implementation of two separate seal cycles.

### SEAL CYCLES

**1STCYCLE:** The RF energy is applied to a mandrel (spindle) located inside the tube and between the two sheets of plastic film. The double cycle radio frequency equipment includes two grounded semi-circle-shaped dies to ensure an even seal the whole way around the tube.

**2ndCYCLE:** The press remains in the closed position. The RF is connected to the upper die while the lower die remains grounded to allow the execution of bar and perimeter sealing.