

Medical Electronics



The medical electronics market manufactures diagnostic and life sustaining devices such as MRI coils and pacemakers. Because many elements within these devices are sensitive and fragile, they need protection from vibration and external elements.

Graco equipment dispenses two-component reactive resins (epoxies, silicones, and urethanes) that are used for potting, encapsulating, sealing, vibration dampening, and overmolding of electronic printed circuit boards and connections. The materials help protect the components, which adds reliability and longer life to the electronic devices.

The [Graco PD44](#) is used for shot sizes from 1 to 5 cc's with 1:1 to 25:1 ratio materials. The [Graco PR70](#) fixed or variable ratio system is used for shot sizes from 1 to 70 cc's with ratios from 1:1 to 24:1. The [Graco HFR Metering System](#) is used for shot sizes larger than 70 cc's.

Vacuum encapsulation processes have been used for MRI coils.