

Heat Sealer or also known as an impulse sealer, is a heat sealer that uses a resistive heating element to seal and/or cut thin plastic bags/thermoplastics or sheets. The direct contact method of heat sealing utilizes a constantly heated die or sealing bar to apply heat to a specific contact area or path to *seal* or *weld* the thermoplastics together. Rather than using continuous heat, which would turn the bag into a gooey-edged mess, it uses a timed impulse of heat - hence "impulse" sealer. Impulse sealers – require no warm up time and seal by applying a pulse of energy to the sealing area, followed immediately by cooling. The product life is preserved, its shelf life is extended, protected from contamination and minimize the storage space. Impulse sealers only use power when the jaw is lowered. **So if you are just sealing your everyday poly bags, an impulse sealer will do the trick, most thermoplastics are weldable.

Examples of Thermoplastics are:

- Polyethylene Pliofilm P.V.A.
- Polyurethane Kel-F Tivac
- Polyvinylchloride Polyflex Saran
- Polypropylene Mylar Nylon



