



# Heat Sealing Solutions



# QPH Technology

The Quick Pulse Heat (QPH) sealing system has the following features and benefits.

- Creates narrow width seal
- 10% material savings over traditional crimp seal
- Quick heat up & cool down phases ensure high integrity seal
- Hermetic seals provide longer produce shelf life
- Easily retrofitted to VFF&S units
- Unique cutter and anvil design minimises cleaning & maintenance
- Reduced downtime and service life
- Heat of seal bar is accurately maintained and controlled



QPH seal vs traditional crimp seal

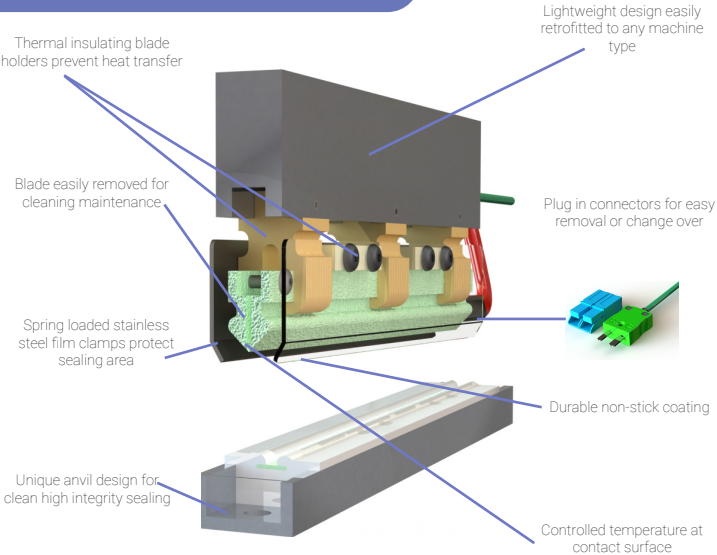
# LVH Technology

The Low Voltage Heat (LVH) sealing system is our core film sealing technology. The low mass blade offers both sealing and cutting functions and replaces traditional heat seal methods by improving temperature control and reducing maintenance.

The LVH system conveys heat directly to the sealing area rather than dispersing it into the surrounding environment. This results in significantly less energy loss and greater heat concentration along the sealing blade. Multiple profile options are available:



## LVH system explained



# PDH, CRH Technology

Profile Die Heat (PDH) and Continuous Rotary Heat (CRH) sealing adopt the same principles as LVH by replacing existing sealing systems that use bulky tooling plates with cartridge heaters.

Heat energy is concentrated where required and with PDH sealing practically any shape can be produced to fulfil your application.



CRH used for continuous sealing of films in the meat packaging industry.

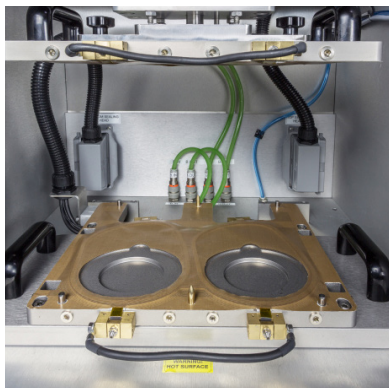
- Increased productivity and less downtime
- Easily retrofitted
- Rapid heat up & cool down with accurate temperature control
- Low operating cost and low maintenance
- Fast tool change
- Efficient energy consumption
- Consistently reliable seals
- No consumable parts

We have produced PDH and CRH heat sealing systems for applications in industries including: medical, pharmaceutical, automotive, chemical, aviation and food processing.

# IPH Technology

Impulse Heat (IPH) sealing offers consistent and accurate temperature control, monitored 50/sec. Power is pulsed when required and can be turned off whilst the heated face is closed on the material, allowing curing of the seal.

IPH can be configured to your application.



IPH sealing low mass elements allow rapid heat up and cool down, perfect for this bespoke machine used in manufacturing colostomy bags.

# Bespoke Machine Builds

From conception to released product we offer a full machine design and manufacture service.

We work closely with our customers to ensure that their requirement is achieved. We utilise years of technical expertise in heat sealing.



**One of five complete machines used for heat sealing bags of powders and granular products.**

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