

# Force Global Heatsealing Solutions

Ropex Resistron Temperature Controls and Components  
for repeatable, precision controlled, heat sealing  
and manipulation of heat sealable materials

PH: 414 507-9378 | www.impulseal.com | FX: 262 628-4451



## Resistron DIN-rail Mount Controllers

Table & Downloads...

- RES-401
- RES-402
- RES-403
- RES-406
- RES-407
- RES-408
- RES-409

## Resistron Panel Mount Controllers

Table & Downloads...

- RES-004
- RES-415
- RES-420
- RES-430
- RES-440
- RES-445

## Controller Accessories

- Current Transformer (PEX)
- High Current Busbar (HCB)
- Impulse Transformer (PTR)
- Temp-meter (ATR)
- Temp-meter (DTR)
- Potentiometer (PD)
- Line Filter (LF)
- Booster (B)
- Monitoring Unit (MSW)
- Load Resistor (RB)
- Load Resistor (RV)
- Twisted Cable (UML)
- High Current Cable (C-TC)

## Panel Mount Controller Accessories

- DIN-Adapter (HS)
- Flexible soft front cover
- Hard hinged front cover
- Hard hinged with (Lock)

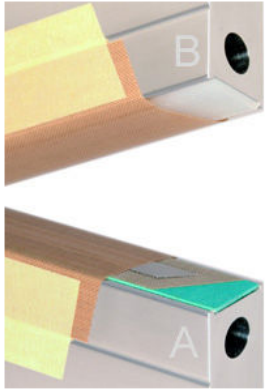
## Validation + Verification Tools


- Ropex Visualization Software
- Vis-com Cable (CI-USB-1)
- Temperature Sensor (TS-1)

## Resistron Background

- Why Use Resistron
- RES-Principles
- Series 400 Features

## Single Sided Heating - Heat Seal Jaw Combinations:

	<p><a href="#">click to view... Bar (B) assembly details:</a></p> <p><b>"Single Sided" Top or Bottom Heat Only Jaw Combination (A + B)</b></p> <p><a href="#">click to view... Bar (A) assembly details:</a></p>	<p><b>System Design...</b></p> <p>This heat seal jaw combination uses Durit insulation for the heat seal band backing. The opposed clamp bar uses Silicon facing for thermal insulation and to compensate for minor mechanical misalignment and thickness variations in the heat sealable material.</p> <p><b>Pros:</b> Simple heat sealing system.</p> <p><b>Cons:</b> Not ideally suited to gusseted or thick materials as heat is only applied from one side.</p> <p>Is this configuration ideal for <b>Validation</b>? NO... this system is not thermally balanced.</p>
---	--	---

	<p><a href="#">click to view... Bar (B) assembly details:</a></p> <p><b>"Single Sided" Top or Bottom Heat Only Bar Combination (B + C)</b></p> <p><a href="#">click to view... Bar (C) assembly details:</a></p>	<p><b>System Design...</b></p> <p>This heat seal jaw combination uses Silicon facing insulation for the heat seal band backing. The opposed clamp bar also uses Silicon facing for thermal insulation and to compensate for minor mechanical misalignment and thickness variations in the heat sealable material.</p> <p><b>Pros:</b> Simple heat sealing system.</p> <p><b>Cons:</b> Not ideally suited to gusseted or thick materials as heat is only applied from one side.</p> <p>Is this configuration ideal for <b>Validation</b>? NO... this system is not thermally balanced.</p>
---	--	---

This information is provided as a guide to illustrate some of the various heat seal bar configurations that are possible with components and consumables Force Global offer. This web page is the property of Force Global, Inc. and may not be reproduced in whole or part, nor used for any purpose without the written consent of Force Global, Inc.

## Precision Heatsealing and Packaging Solutions

PH: 414 507-9378  
FX: 262 628-4451

E-mail:  
[info@forceglobal.com](mailto:info@forceglobal.com)

[Home](#)

## Jaw Bar Consumables

- [Silicon Facing](#)
- [Siglaha Hard Facing](#)
- [Durit Jaw Bar Insulation](#)
- [Cover + Zone Tapes](#)
- [PTFE Tapes](#)

## Heatseal Bands/Wires

- [Heat Seal Band Services](#)
- [Custom Profile Elements](#)
- [Band / Wire Profiles](#)
- [Seal Seam Table](#)
- [Seal & Cut Seam Table](#)
- [- Quotation Request -](#)

## Heatseal Components

- [Heat Seal Jaw Bars](#)
- [Jaw Bar End Terminals](#)
- [Ported Jaw Bars](#)

## Jaw Bar Combinations

- [Single Sided Heat](#)
- [Double Sided Heating](#)
- [Heat Seal & Cut](#)

## Links

- [Sitemap](#)
- [Downloads](#)