

Spring 2024

# PPI

## Newsletter

[www.ppisystems.com](http://www.ppisystems.com)

### Resistor Trimming Solutions

# Cable Free Probe Card Design

### Specifically designed for RapiTrim Resistor Trimming Systems

PPI Systems is pleased to announce the release of our newly designed cable free probe cards for RapiTrim laser resistor trimming systems. Past systems relied on wired connections to the top of the probe card PCB, now replaced in the new card design pogo clamp mechanism.

This new design was developed in conjunction with Accuprobe to reduce the time and difficulty of swapping probe cards during job changes. Operator changeover only involves a single lever to disengage each card, with no tools required or plugs to attach. As a result, setting up different jobs is very quick and easy.

[Read more...](#)

<https://www.ppisystems.com/corporate/contact/news/ppi-systems-releases-new-wireless-probe-card-design/>

## Events PPI is Attending



**Sensor+Test 2024**  
Nuremberg, Germany  
**June. 11-13, 2024**



**IMS 2024**  
Washington, DC  
**June 16-21, 2024**

To set up an appointment contact: [info@ppisystems.com](mailto:info@ppisystems.com)

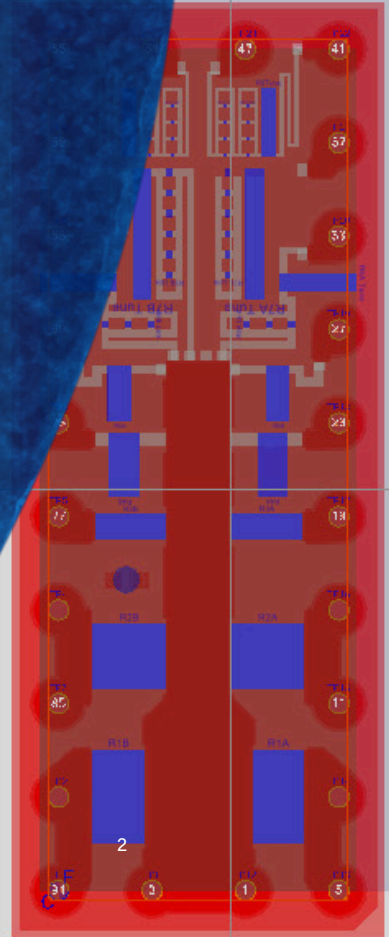


# ProSys™ Resistor Trimming Software

ProSys resistor trimming system control software is an intuitive graphical user interface that allows complete machine setup, calibration control, job and process setting, vision and process map as well as status and diagnostic information. Regardless of system design, this interface remains the same, allowing users to transfer between different trimmers whether:

- Flying probe, probe card or custom measurement
- Active or passive trim
- Manual or automated substrate handling
- A wide variety of external instruments
- Other customizations

Job creation, process control and results are identical, reducing training times and ensuring operator proficiency for all applications including both high and low volumes and mixes.



## Product Insights Multiple Laser Resistor Trimming Designs from a Single Source

Purchasing new or replacing multiple systems from a single supplier who can offer solutions for different applications, whether high mix, low volume or high volume can have many advantages. PPI Systems can run samples on different system setups to find out which is best suited for your specific trimming types. Design options include:

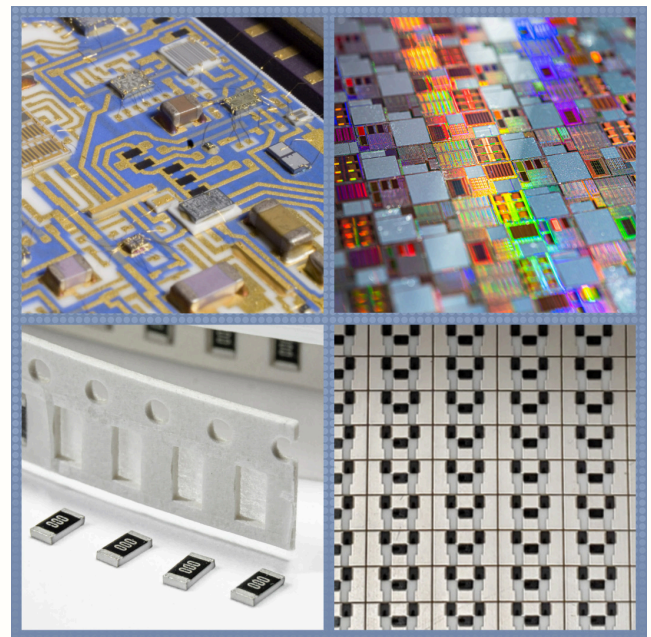
- Thick and thin-film component and circuit trimming with flying probe, probe card and custom measurement types
- Chip resistor trimming with next generation probe card measurement for extremely complex applications.
- Optimization of linear and mixed-signal IC devices on semiconductor wafers

PPI Systems works with customers at every stage of the purchase to assist in making the decision to upgrade, designing of systems to fit perfectly into their production line, offering complete training and support solutions.


Component and circuit, chip resistor and semiconductor wafer trimming

Complete application laboratory for product specification

Resistor trimming systems to match any application







# Trimming RF and Microwave Components

The RapiTrim family of resistor trimming systems can be delivered in a variety of configurations suited to different applications. The flying probe version is ideally suited to high-mix, quick-turn production. The probe card version is more appropriate for high volume production with infrequent job changes. While both system configurations can be of use in the manufacture of RF and microwave components, custom solutions also play a role.

The field of RF and microwave components encompasses a multitude of devices with a wide variety of uses in telecommunications, medical instrumentation, defense and aerospace applications.

Read more:

<https://www.ppisystems.com/wp-content/uploads/2023/08/Solution-RF-and-Microwave-Components.pdf>

## Articles and Case Studies

### *RapiTrim Solution: Flying Probes: Myths and Misconceptions*

<https://www.ppisystems.com/wp-content/uploads/2022/02/Flying-probe-myths.pdf>

### *Case Study: High Density Thick Film Circuit*

<https://www.ppisystems.com/wp-content/uploads/2021/08/RapiTrim-Case-Study-2.pdf>

### *Upgrading A Resistor Trimmer*

<https://www.ppisystems.com/resources/upgrading-a-resistor-trimmer/>

***Designed for todays applications, our laser processing systems provide both turn-key and customized systems.***

*As a leading producer of laser material processing solutions since 2003, PPI Systems is passionate about providing world-class equipment and support to its customers. Based in Ottawa, Canada, PPI designs and manufactures turn-key laser drilling and trimming systems for the electronic interconnect and component markets from its 23,000 square foot production facility*

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