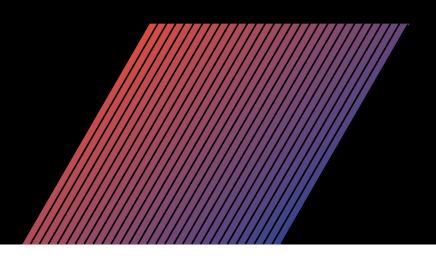
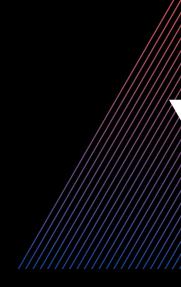
# prinsta



Electronics Manufacturing Platform Kit

## Make the future faster.



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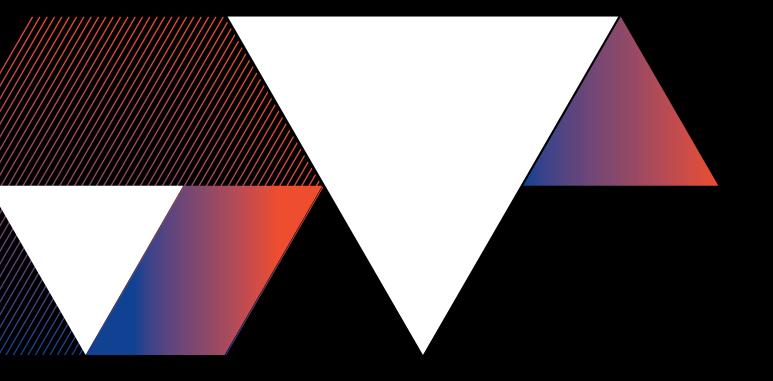
**TELEPHONE** 

**Phone:** 917.719.0102



**WEB** 

prinsta.io yboumenir@ prinsta.io



#### Mission & Vision

At Prinsta we're changing the way companies prototype electronics. We often describe our goal as creating a paradigm shift in how electronics are made, similar to how software development today is very different from software development in the punch card era. At Prinsta what we've developed is equivalent to the personal computer, and we're excited to share it with you.

Prototyping electronics today involves sending out design files to a contract manufacturer and waiting to receive a prototype. There are solutions that exist, in the form of a "desktop circuit board printer" but they often fall short on the reason why we prototype. We prototype in order to test our innovative ideas, and in these challenging tasks, we design with the goal of reducing the number of variables.

At Prinsta, we've brought the same manufacturing process closer to your desk with the form factor that can also sit on your desk. By using a similar process at a fabrication plant, we can rest assured that our prototypes will work to a similar level as those produced in mass quantities.

P1 Electronics Manufacturing Platform

Create multi-layered electronics with ease.

Featuring a modular tool system:
Direct Laser Imaging

Silkscreen & Solder-mask

Drilling & Milling

Pick & Place\*
Solder Dispensing\*



<sup>\*</sup> coming soon.





## Modular Approach



Image Photoresists, Silkscreens & Soldermasks.

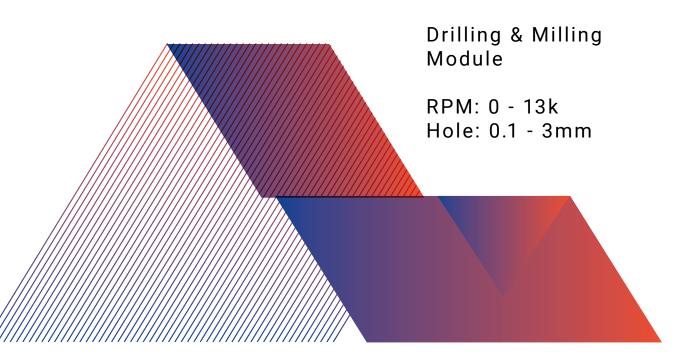
Direct Laser Imaging Module

λ: 355- 450 nm

P: 1W

Using a standard ER-11 Collet, you can drill & mill with with ease.





#### Dashboard

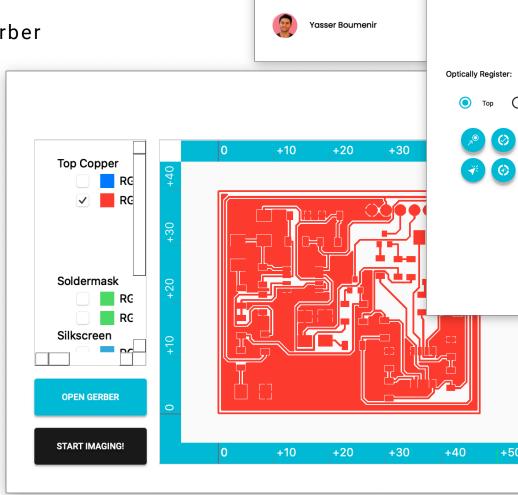
## Word class software.

Powerful & easy to use.

Supports Gerber

RS-274X &

Excellon



**Prinsta** 

PCBA Manufacturing

Marketplace

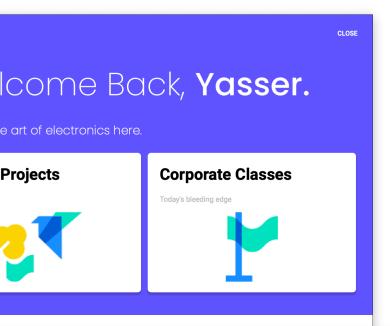
Notifications

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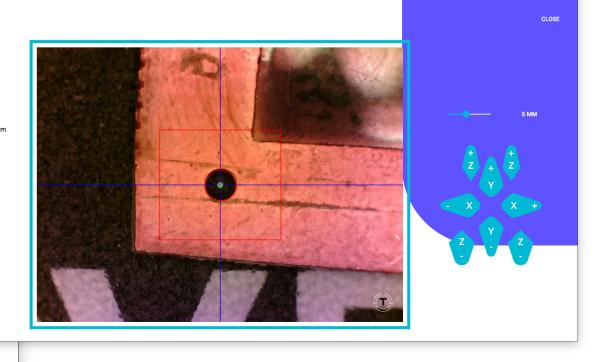
Learn th

**Prinsta** 

Create Layers



All-in-one Electronics Experience.



Simple 3 Point Optical Registration.



By using Direct Laser Imaging, and chemically processing our Prinsta boards, we can achieve a theoretically spot size, and trace size of 76 microns.

With built in heaters, Develop & Etch in 90 seconds or less.



## **Specifications**

**P1** 

Power Supply

110 VAC - 240 VAC

Dimensions

18" x 15" x 12"

Max PCB Size

4" x 6"

Interface

2 x USB 2.0

Direct Laser Imaging Module

Min Spot Size

75 um

Max Power

1 Watt

**Emission Spectrum** 

355 - 450 nm

Drilling & Milling Module

RPM

0 - 13k

Collet Size

ER - 11

Motor Tech

**BLDC** 

### Developer & Rinsing Tank

Power Supply Max PCB Size

110 VAC - 240 VAC

4" x 6"

Developer Solution

Alkaline - Na<sub>2</sub>CO<sub>3</sub>

### **Etching Tank**

Power Supply Max PCB Size

110 VAC - 240 VAC

4" x 6"

**Etching Solution** 

persulfate or Ferric

#### Dashboard

OS

OSX / Win/ Unix

Gerber Format

RS-274X/ Excellon

## Make the future faster.



## prinsta

## is located in NEWLAB





19 Morris Avenue, Brooklyn, NY **Building 128** 

