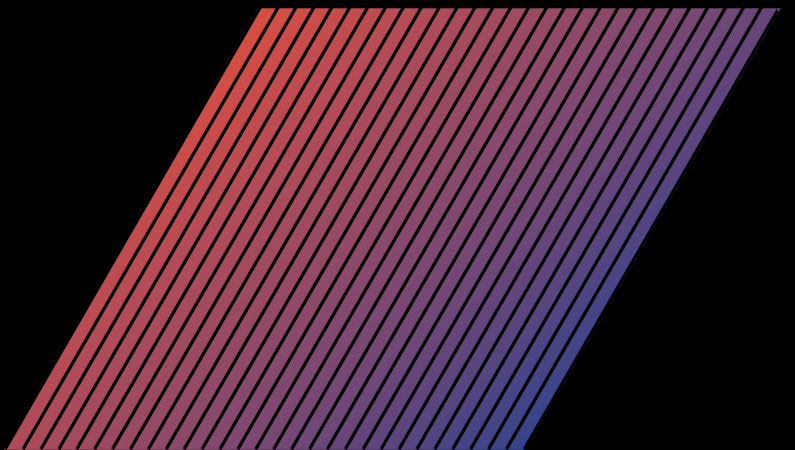


prinsta



**Electronics
Manufacturing
Platform
Kit**

Make the future faster.



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**P1: Electronics
Manufacturing Platform**

04.

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**Etching & Developing
Tanks**



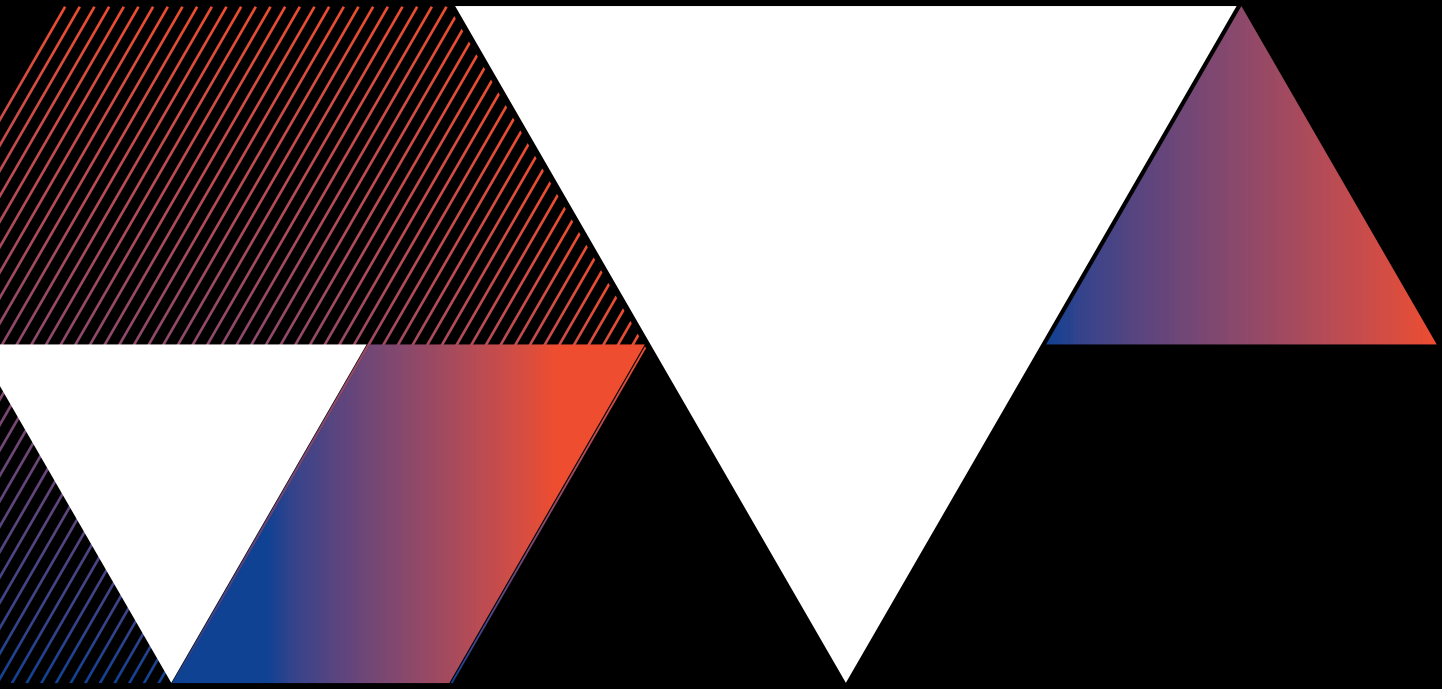
TELEPHONE

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

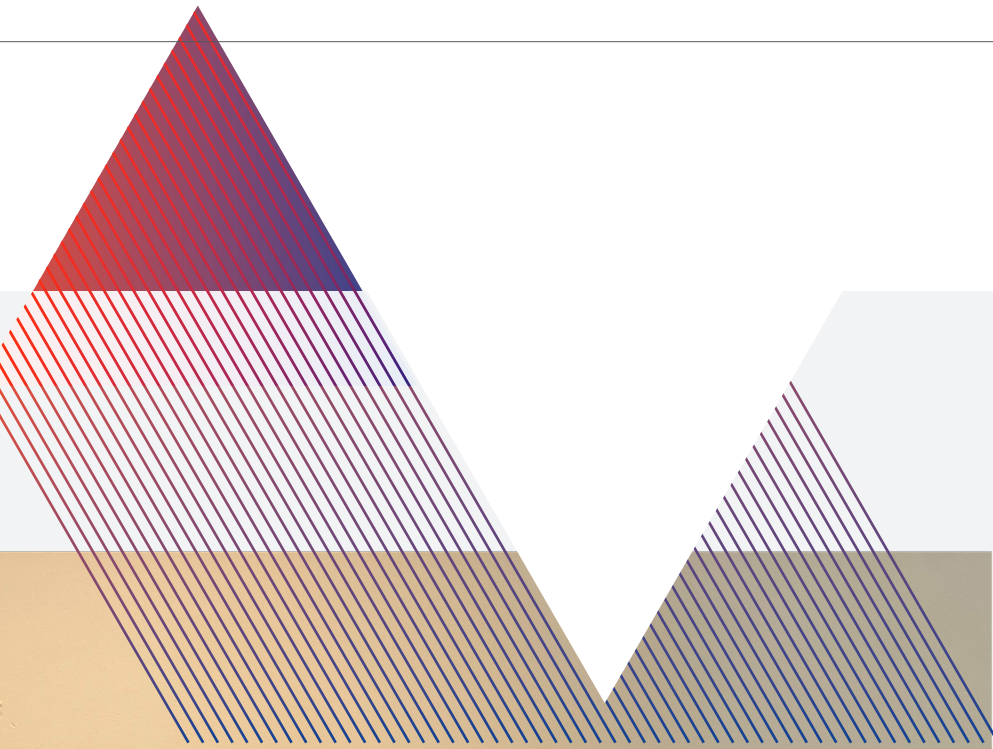
Drilling & Milling

Pick & Place*

Solder Dispensing*



* coming soon.



Modular Approach

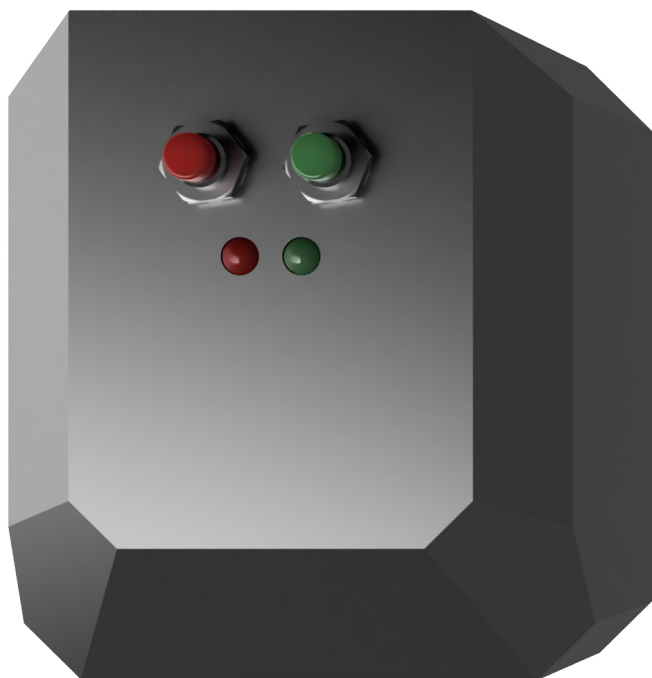


Image
Photoresists,
Silkscreens &
Soldermasks.

Direct Laser
Imaging Module

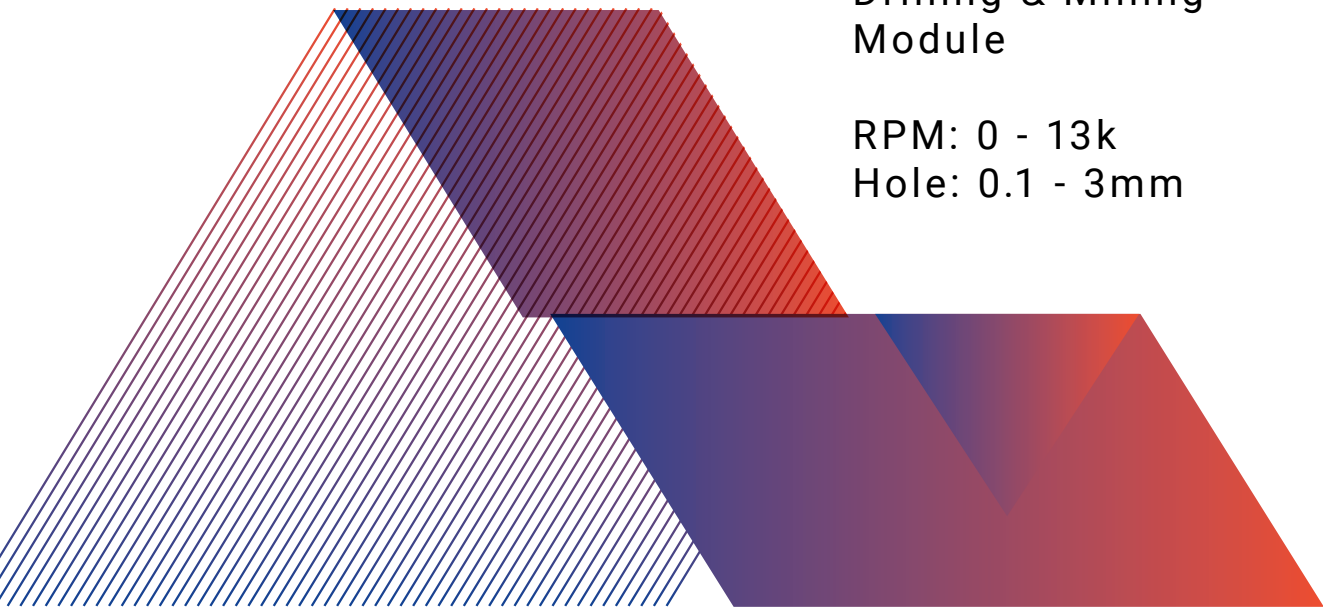
λ : 355- 450 nm
P: 1W

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



Drilling & Milling Module

RPM: 0 - 13k
Hole: 0.1 - 3mm

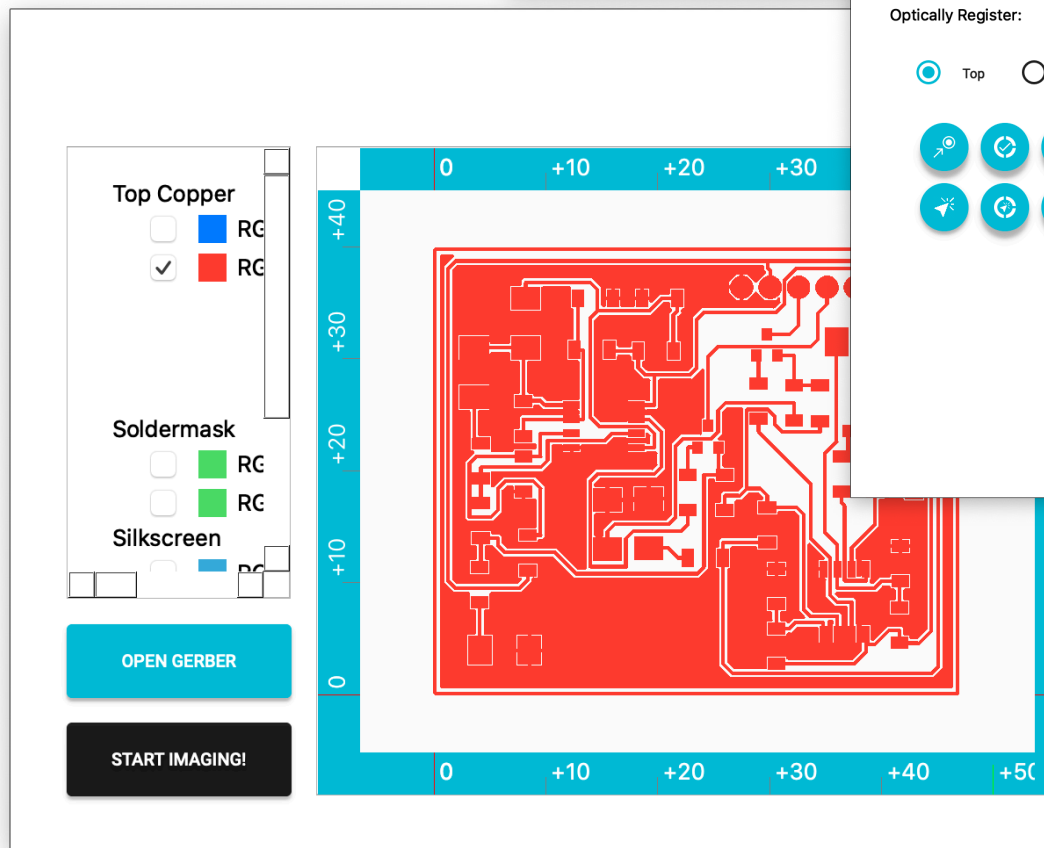
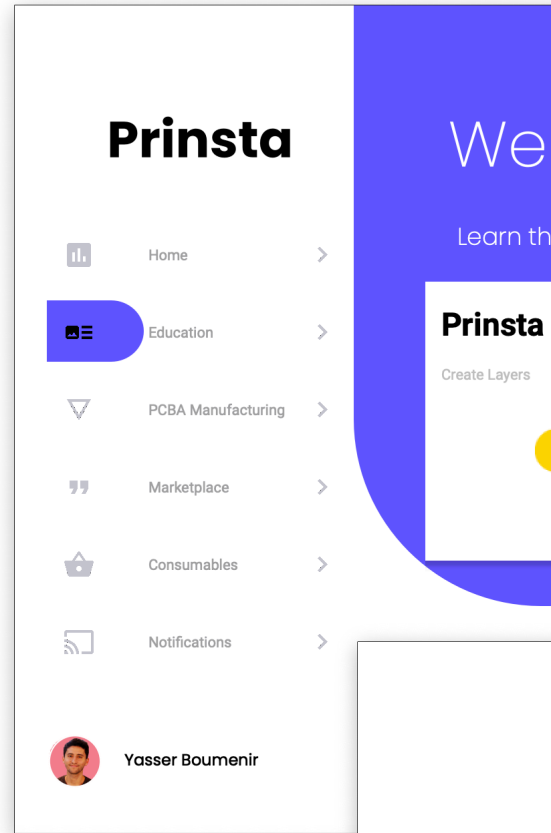


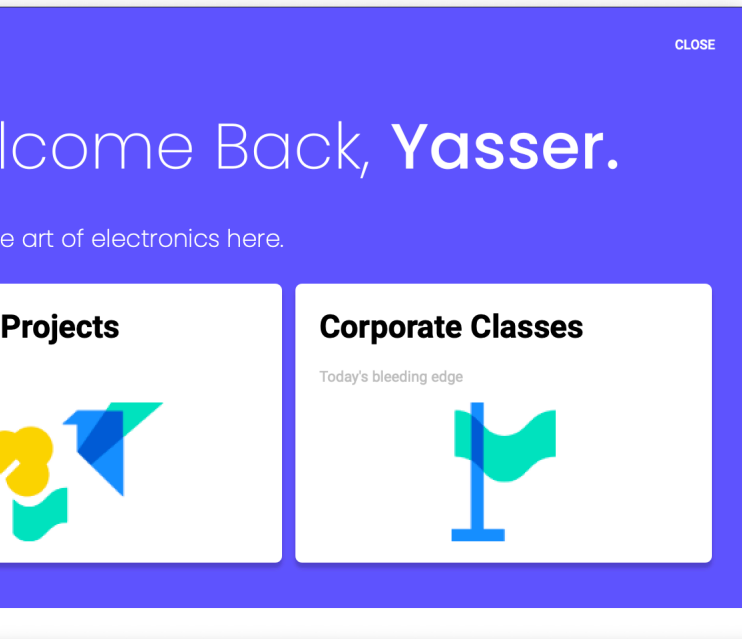
Dashboard

Word class software.

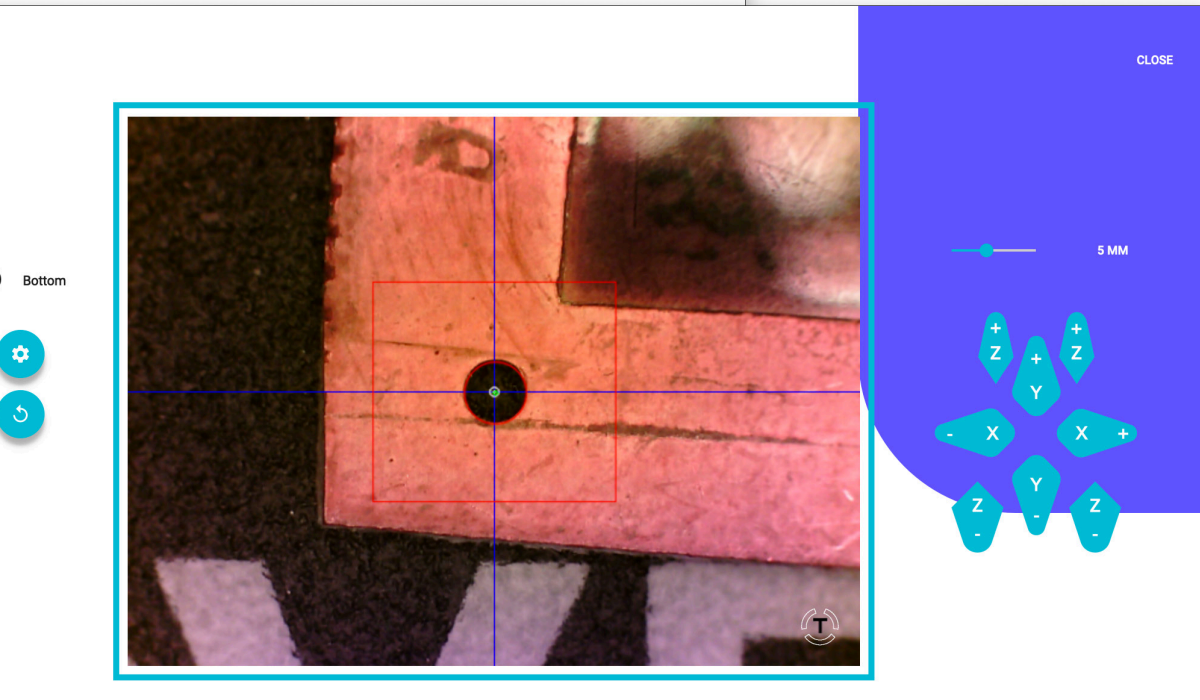
Powerful & easy to use.

Supports Gerber RS-274X & Excellon





All-in-one
Electronics
Experience.



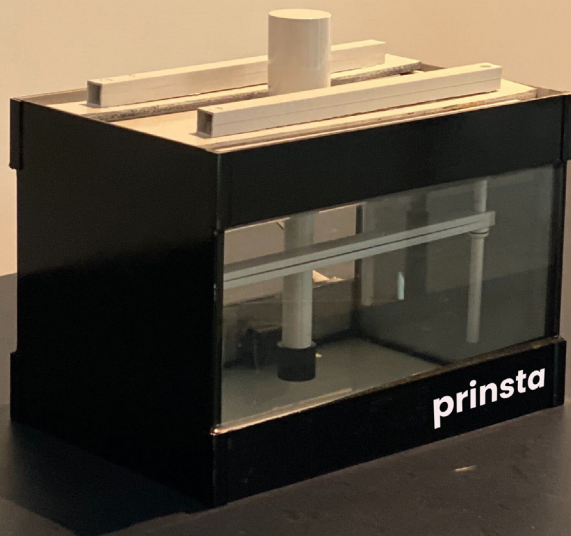
Simple 3 Point Optical
Registration.

Etching & Rinsing & Developing Tanks



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

110 VAC - 240 VAC

Max PCB Size

4" x 6"

Developer Solution

Alkaline - Na_2CO_3

Etching Tank

Power Supply

110 VAC - 240 VAC

Max PCB Size

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



Lair East Labs
for entrepreneurs, by entrepreneurs



19 Morris Avenue, Brooklyn, NY
Building 128

