Make the future faster.

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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

Direct Laser Imaging Module

λ: 355-450 nm
P: 1W

Image Photoresists, Silkscreens & Soldermasks.
Using a standard ER-11 Collet, you can drill & mill 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
Welcome Back, Yasser.

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

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Dimensions</th>
<th>Max PCB Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>110 VAC - 240 VAC</td>
<td>18” x 15” x 12”</td>
<td>4” x 6”</td>
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<table>
<thead>
<tr>
<th>Interface</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>2 x USB 2.0</td>
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</table>

### Direct Laser Imaging Module

<table>
<thead>
<tr>
<th>Min Spot Size</th>
<th>Max Power</th>
<th>Emission Spectrum</th>
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<tbody>
<tr>
<td>75 um</td>
<td>1 Watt</td>
<td>355 - 450 nm</td>
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### Drilling & Milling Module

<table>
<thead>
<tr>
<th>RPM</th>
<th>Collet Size</th>
<th>Motor Tech</th>
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<tbody>
<tr>
<td>0 - 13k</td>
<td>ER - 11</td>
<td>BLDC</td>
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<tr>
<td>Component</td>
<td>Power Supply</td>
<td>Max PCB Size</td>
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<td>----------------------------</td>
<td>--------------------</td>
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<tr>
<td>Developer &amp; Rinsing Tank</td>
<td>110 VAC - 240 VAC</td>
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<tr>
<td>Etching Tank</td>
<td>110 VAC - 240 VAC</td>
<td>4” x 6”</td>
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<tr>
<td>Dashboard</td>
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<td></td>
</tr>
<tr>
<td>OS</td>
<td>OSX / Win/ Unix</td>
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<tr>
<td>Gerber Format</td>
<td>RS-274X/ Excellon</td>
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</tbody>
</table>
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prinsta is located in NEWLAB