# MobilemakerEd Cart

## The Mobile Fabrication Lab for Education

**Bringing the empowering maker learning experience to any classroom**

Alliance for **adfab:ED**
Digital Fabrication Education

**Our focus**;

- Project-based and student-centered learning
- Exposure to mentors and industry professionals
- Engineering and Manufacturing track programs
- Promoting entrepreneurship and citizenship
- Developing communities of innovation

The Alliance for Digital Fabrication Education is a 501c3 organization with a mission to create equal access to meaningful learning opportunities for under recognized youth and promote development of critical thinking and design entrepreneurship with the use of digital fabrication tools.

# It's a powerful self-contained learning center, providing an entire makerspace in the footprint of a laptop cart.

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| **3-D Printer** | Stratysys, Mojo, Print wash system |
| **Laser Cutter** | Epilog, Mini 16, Air compressor |
| **3-axis Milling Machine** | Roland, SRM-20 |
| **Fume Extractor** | BOFA, AD350 |
| **Vinyl Cutter** | Roland, SV-12 |
| **Computer Hardware and Software** | Dell XPS- 15 laptop, Wireless high-gain antenna, 3-D Design software, CAM |
| **Tools** | Common hand tools, Soldering station, Cordless power tool system with drill, saw and oscillating tool |
| **Maker Electronics** | Set of 12 Ardunio physical computing kits, 12 Grove sensor kits, Flora wearable electronics, Collection of standard electronic building components |
| **Mobile Cart** | Custom designed mobile workstation with drawers, table, equipment slides and locking compartments, Internal fume extraction, 2400w power conditioner, Retractable electric power tether, All steel construction, Powder-coated finish |
| **Materials** | 2 filament cartridges, Assorted milling material, Assorted laser material types |
| **Dimensions** | 28.25"W x 65"D x 60"H |
| **Weight** | 350 lbs |
| **Power Requirement** | 25 amps at full operation |

USPTO Patent Pending 62,476,905

In NY, NJ & PA


**REPRESENTED BY:**
Allegheny Educational Systems, Inc.
320 East 3rd Avenue
Tarentum, PA 15084
Phone: 800-232-7600
www.alleghenyedusys.com


Elsewhere contact us here; **info@adfabed.org** www.adfabed.org