

Detailed Equipment List

3D Printers

- *Ultimaker Original
- *Ultimaker 2
- *Moment
- *Alya
- *Kupido

Sewing Machine

- *JUKI

Laser Cutter

- *Epilog Laser

Vinyl Cutter

- *Silhouette CAMEO

CNC Machines

- *Roland MDX-40A
- * X Carve 750 mm

Carpentry Equipments

- *Scroll Saw
- * Wood Lathe
- *Bench Pillar Drill
- *Push-Pull Saw
- *Band Saw

Elektronic Kits

- * Arduino Starter Kit
- * Rasperry Pi
- * Little Bits
- *Makey
- * Makey Makey



3D Printers

Moment



Build volume: 145 x145 x160mm

Materials: PLA/ABS/FLEX

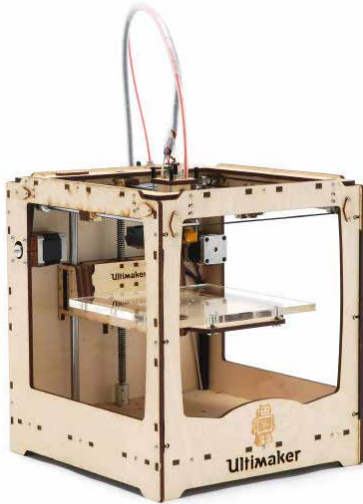
Layer resolution: <20 - 300 Micron

Filament diameter: 1.75 mm

Build speed: 40 ~ 150mm/sec

Bundle software: Simplify3D

Ultimaker Original



Build volume: 210 x 210 x 205 mm

Materials: PLA/ABS

Layer resolution: <100 - 300 Mikron

Filament diameter:2.85 mm

Build speed: 8 ~ 300mm/sec

Bundle software: Cura

Ultimaker 2



Build volume: 223 x 223 x 205 mm

Materials: PLA, ABS, CPE, CPE+, PC,Nylon,

Layer resolution: <30 - 300 Micron

Filament diameter:2.85 mm

Build speed: 30 ~ 300mm/sec

Bundle software: Cura





Alyo

Build volume: 145mmx145mmx160mm

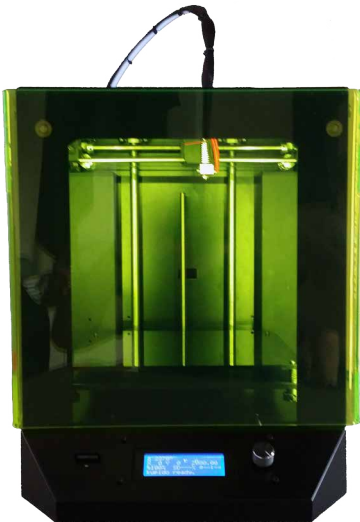
Materials: PLA

Layer resolution: <20 - 300 Micron

Filament diameter: 1.75 mm

Build speed: 40 ~ 150mm/sec

Bundle software: Cura



Kupido

Build volume: 200 x 200 x 210 mm

Materials: ABS, PLA, PHA, PVA, PC

Layer resolution: <50 - 400 Micron

Filament diameter: 1.75 mm

Build speed: 20 ~ 200mm/sec

Bundle software: CURA



Laser Cutter

Epilog Laser Mini 24



Working Area: 300 x 600 x 140 mm / 40 watt

Max. Thickness Material: 6 mm

Materials: Wood, Plexi-glass, Paper Min.100 gr

Chipboard, Cardboard, Leather

Bundle software: Epilog Laser

Sewing Machine

JUKI DDL-8700A Sewing Machine



Application: Light-weight

Max. sewing speed: 4,000sti/min

Max. stitch length: 4mm

Needle: DA×1 (#9) #9#11,

134 (Nm65)

Vinyl Cutter

Silhouette CAMEO



Working Area: 300 x 300 mm

Bundle software: Silhouette Studio



Carpentry Equipments



Scheppach Deco-Flex Scroll Saw

Table Size: 415 x 255 x 405 mm



SHEPPACH DMT450 WOOD LATHE

Max. Distance Between Centres: 445 mm



Jetco JDP-16 Pillar Drill

Drilling Capacity: 16 mm



Bosch PPS 7 S Push-Pull Saw



Max. cutting height: 62 mm



Proxxon Band Saw MBS 240/E / 27172

Table Size: 200 x 200 mm



CNC Machines

Roland MDX-40A

Working Area: 305 x 305 x 105 mm

Materials: ABS, delrin, nylon, acrylic, chemical wood and tooling board. (metal not supported)

Distance from spindle tip to table: Max. 123 mm (4-13/16 in.)

Bundle software: SRP Player CAM Software



X-Carve

Working Area: 750 x 750 x 65 mm

Materials: ABS, delrin, nylon, acrylic, chemical wood and tooling board. (metal not supported)

Distance from spindle tip to table: Max. 123 mm (4-13/16 in.)

Bundle software: EASEL



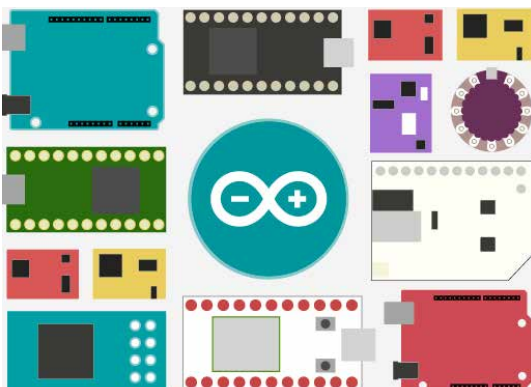
Elektronik Kits

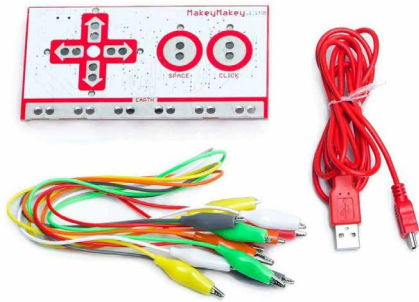
Arduino Starter Kit

Arduino Uno, USB Kable Sensor, Shield

Buzzer Push-buton Module, Ultrasonic distance sensor Joystick Module Servo

Motor Jumper Kablo





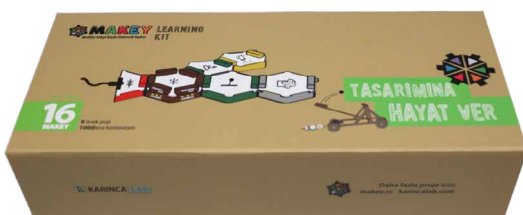
Makey Makey

An Invention Kit for Everyone, is an electronic invention tool and toy that allows users to connect everyday objects to computer programs.



Little Bits Set

The kits are composed of electronic building blocks that are color-coded, magnetic, and make complex technology simple and fun.



Makey

MAKEY provide people to develop their imagination, and those who do not have technical knowledge can create structures that can interact with the environment.

