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## 3D PRINTER

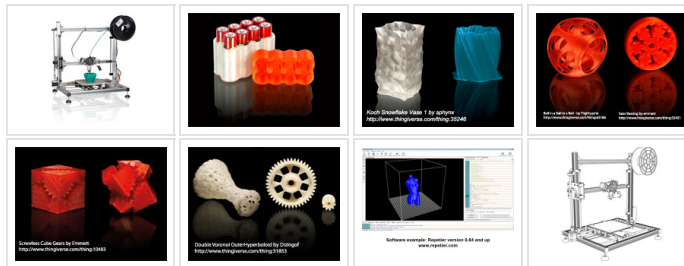


K8200

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Did you ever dream of creating your own products? Do you want your 3D digital creations to become real objects? This is your chance with the Velleman K8200.

# 3D PRINTER K8200

It's a build it yourself 3D printer kit to print objects of maximum 20 x 20 x 20 cm using PLA or ABS filament (3 mm plastic wire). It is an extremely fast, reliable and precise printer even when printing at higher speeds. The K8200 is compatible with all free RepRap software and firmware. It is made out of aluminum profiles and is easy to assemble, it leaves room to the user to freely alter the machine and modify it to their liking. The print bed is heated.

### Specifications

- Linear ball bearings: 8 and 10 mm (0.314" and 0.393")
- Technology: FFF (Fused Filament Fabrication) for [PLA](#) and [ABS](#)
- Power supply: 15 V / 6,6A max.
- FTDI USB 2.0 to Serial
- Dimensions of printable area: 20 x 20 x 20cm / 7.87 x 7.87 x 7.87"
- Typical printing speed: 120 mm/s
- Maximum print speed: 150 to 300 mm/s (depending on the object to be printed)
- Extrusion nozzle: 0.5 mm
- Extrusion thermistor: NTC 100K
- Extruded aluminum profiles: 27.5 mm / 1.08" wide
- Movement: 4 NEMA 17 stepper motors
- Resolution:
  - Nominal mechanical resolution:
    - X and Y: 0.015 mm / 590.55 µm (smallest step the printing plate can move in the X and Y direction)
    - Z: 0.781 µm / 30.74 µm (smallest step the printing plate can move in the Z direction)
  - Nominal printing resolution:
    - Wall thickness (X,Y): 0.5 mm / 0.019"
    - Layer thickness (Z): 0.20 - 0.25 mm / 0.0078 - 0.0098"
- Dimensions:
  - Width: 50cm / 19.7"
  - Depth: 42cm / 16.5"
  - Height: 62cm / 24.4"
  - Weight: 9Kg / 19.84lbs
- software: Repetier version 0.84 and up [www.repetier.com](#)
- included: 5m PLA black sample

### Extras

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K8090  
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VM201  
Download appl.

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ANDROID APPLICATION

- The printer requires a computer to print (MAC, WIN or LINUX) and an internet connection to use the online manual and building instructions.
- The open source hard and firm ware are based on the GNU open source communities of RepRap and Sanguinololu.  
See <http://RepRap.org>
- Excelent 3D printer driving software can be downloaded  
<http://www.repetier.com>

Options

 <a href="#">7350-31/SP</a>	 <a href="#">A4988/SP</a>	 <a href="#">ABS3B1</a>	 <a href="#">ABS3W1</a>
 <a href="#">BELT6T5/1500/SP</a>	 <a href="#">FC16C-3/SP</a>	 <a href="#">GP8200</a>	 <a href="#">MOTS4/SP</a>
 <a href="#">NTCMJB2/SP</a>	 <a href="#">PLA3B1</a>	 <a href="#">PLA3D1</a>	 <a href="#">PLA3G1</a>
 <a href="#">PLA3H1</a>	 <a href="#">PLA3L1</a>	 <a href="#">PLA3N1</a>	 <a href="#">PLA3O1</a>
 <a href="#">PLA3P1</a>	 <a href="#">PLA3R1</a>	 <a href="#">PLA3U1</a>	 <a href="#">PLA3V1</a>
 <a href="#">PLA3W1</a>	 <a href="#">PLA3Y1</a>	 <a href="#">PLA3Z1</a>	 <a href="#">VK8200/SP</a>
 <a href="#">VM8201</a>	 <a href="#">VM8202</a>		

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