



RIISTVARA JA OPERATSIOONISÜSTEEMIDE ALUSED

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The background is a blue gradient with decorative white circuit-like lines in the corners. These lines consist of straight segments and small circles, resembling a stylized electronic circuit board.

MIS JÄI EELMISEST KORRAST SEGASEKS?

TÄNANE LOENG

- Test
- Kodutööde esitlused
- Lisaseadmed
- Operatsioonisüsteemid ...

TEST EELMISTE LOENGUTE KOHTA

KODUTÖÖDE ESITLUSED

LISASEADMED

- Monitor (ekraan)
- Printer
- Skanner
- Kaamera
- ...



<https://i.stack.imgur.com/yVETd.jpg>



<https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRWxT9vg4ZyO6Oa4FF6k1SUdLFoqunm0DvRySKrqWpJLvijnhuQN>



http://www.freeimageslive.com/galleries/transtech/informationtechnology/pics/handy_scanner.jpg

MONITOR

- Suurus (tollides)
- Resolutsioon ja punktihedus (HD, Full HD, 4K)
- Külgede suhe (4:3, 16:9, 21:9, ...)
- Värvide hulk, heledus, kontrastsus
- Läikiv / matt
- Värskendussagedus (refresh rate)
- CRT, LCD, Plasma, LED



<https://www.maxpixel.net/static/photo/2x/Commodore-Crt-Screen-Computer-Device-Electronic-1299461.png>

CRT, LCD, LED, OLED, QLED, ...



https://upload.wikimedia.org/wikipedia/commons/1/17/Medium_CRT-Monitor_19%22_Silber-Metallic.jpg



<https://pixy.org/src/516/5164250.jpg>

LCD/LED



<http://desktopreality.com/wp-content/uploads/2012/03/ccfl.jpg>



<http://desktopreality.com/wp-content/uploads/2012/03/ledbacklit.jpg>

VAATAME ISE JÄRELE

Vaatame, mis on ühe LCD või LED ekraani sees

PRINTER

- Must / värviline
- Liides (Paralleelport, USB, LAN, Wifi)
- Kiirus (ppm, lk/min)
- Formaats
- Prinditihedus (lahutusvõime, dpi)
- Müratase
- Kahepoolne printimine (duplex)
- ???



<https://upload.wikimedia.org/wikipedia/commons/a/a3/Star-LC-10-printer-01.jpg>

PRINTER

- Maatriksprinter
- Tindiprinter
- Laserprinter
- Õisprinter???
- Termoprinter
- Sublimatsiooniprinter
- Vahaprinter
- 3D printer
- ...



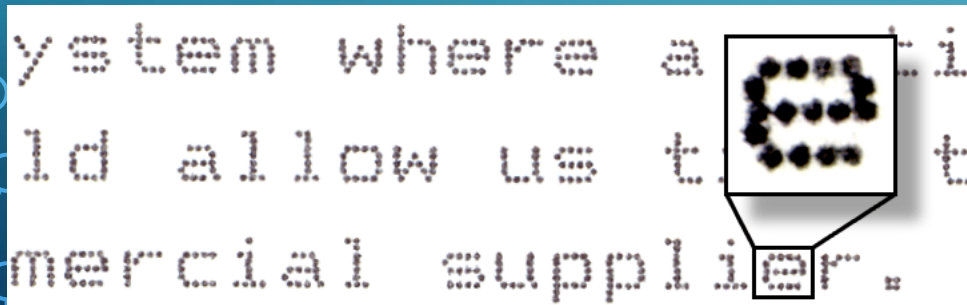
https://cdn.pixabay.com/photo/2014/05/14/10/35/printers-344016_960_720.jpg

MAATRIKSPRINTER

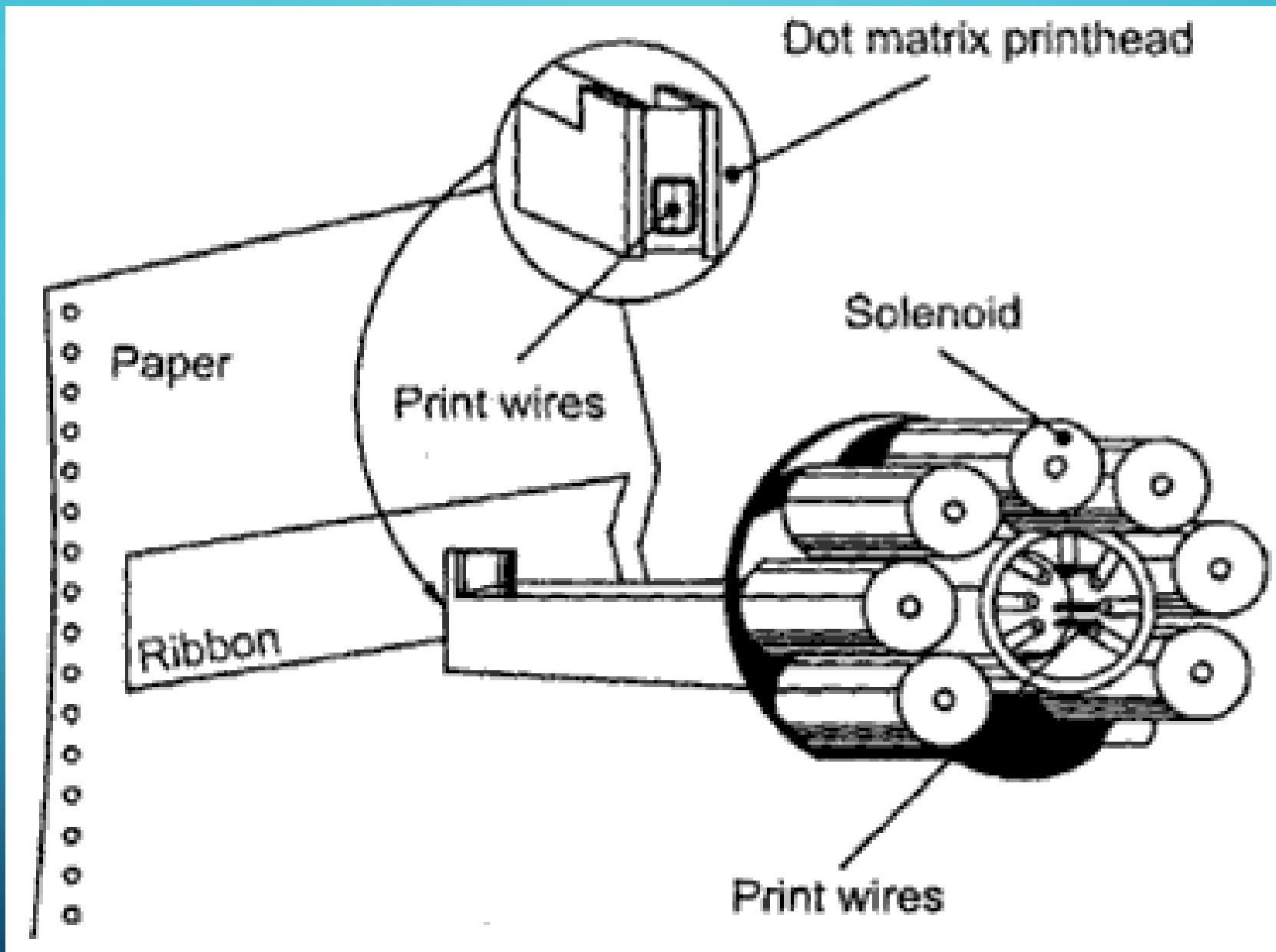
- Väga odav kasutada
- Suur müratase
- Aeglane
- Hind alates u 200.-



https://www.google.com/url?sa=i&source=images&cd=&ved=2ahUKEwjM2ZK0z5TIAhUStosKHdeHCUMQjRx6BAgBEAQ&url=https%3A%2F%2Fcommons.wikimedia.org%2Fwiki%2FFile%3APrinter_dot_matrix_EPSON_VP-500.jpg&psig=AOvVaw058Oj2Dg6CrWWS_-GJSg_R&ust=1570897481077034



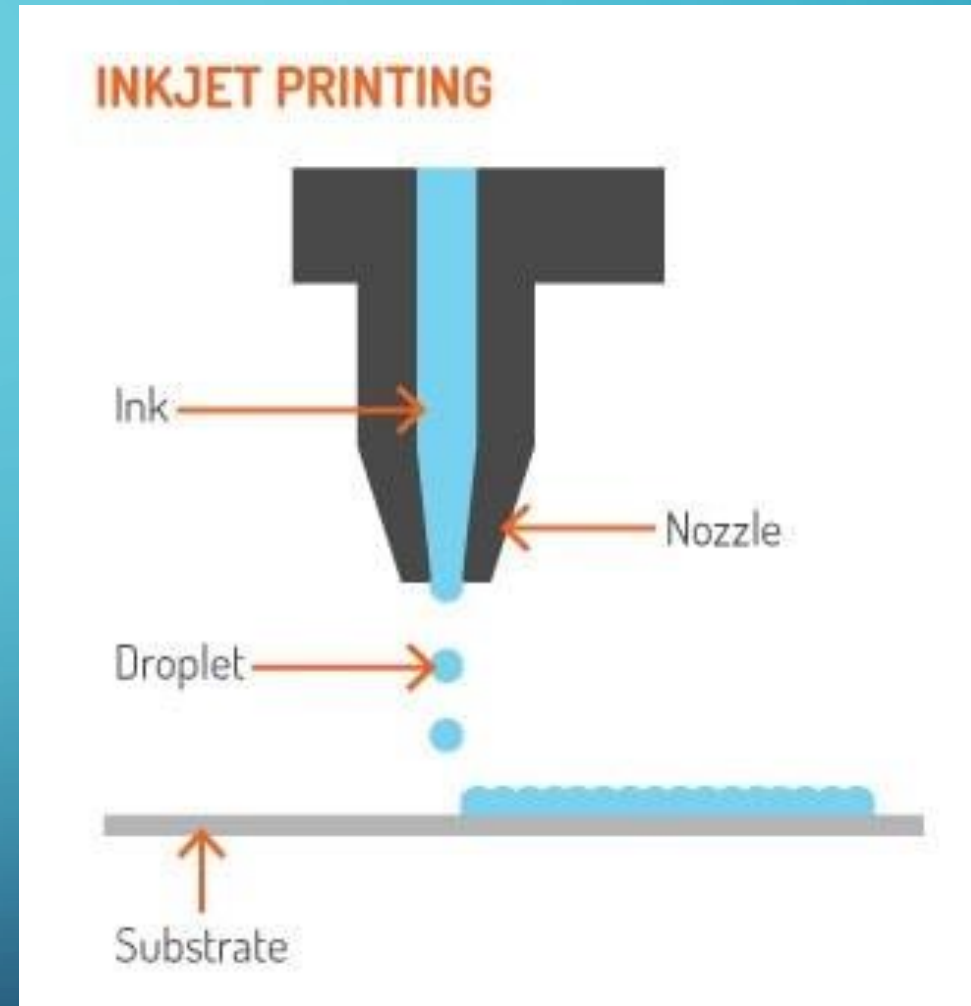
<https://cdn.comboink.com/blog/wp-content/uploads/2018/05/dot-matrix-example-text.png>



<https://www.google.com/url?sa=i&source=images&cd=&ved=2ahUKEwj7GK0JTIAhWro4sKHc-sC2cQjRx6BAgBEAQ&url=http%3A%2F%2Fitblogs.in%2Fcomputers%2Fhardware%2Fprinters%2F&psig=AOvVaw2SfiLeaBjCxmLdENZQe3Mg&ust=1570897425466050>

TINDIPRINTER

- Odav väljatrükk?
- Hea trükikvaliteet
- Väike
- Kiire esimese lehe väljatrükk
- Kuivab ära ☹️



<https://www.graphicproducts.com/media/71445/inkjet.jpg>

EPSON ECOTANK



https://mediaserver.goepson.com/lmConvServlet/imconv/7e6faf7f18a7d9382d29554821b86e35eab84771/original?use=productpictures&assetDescr=fg_printer-with-inks

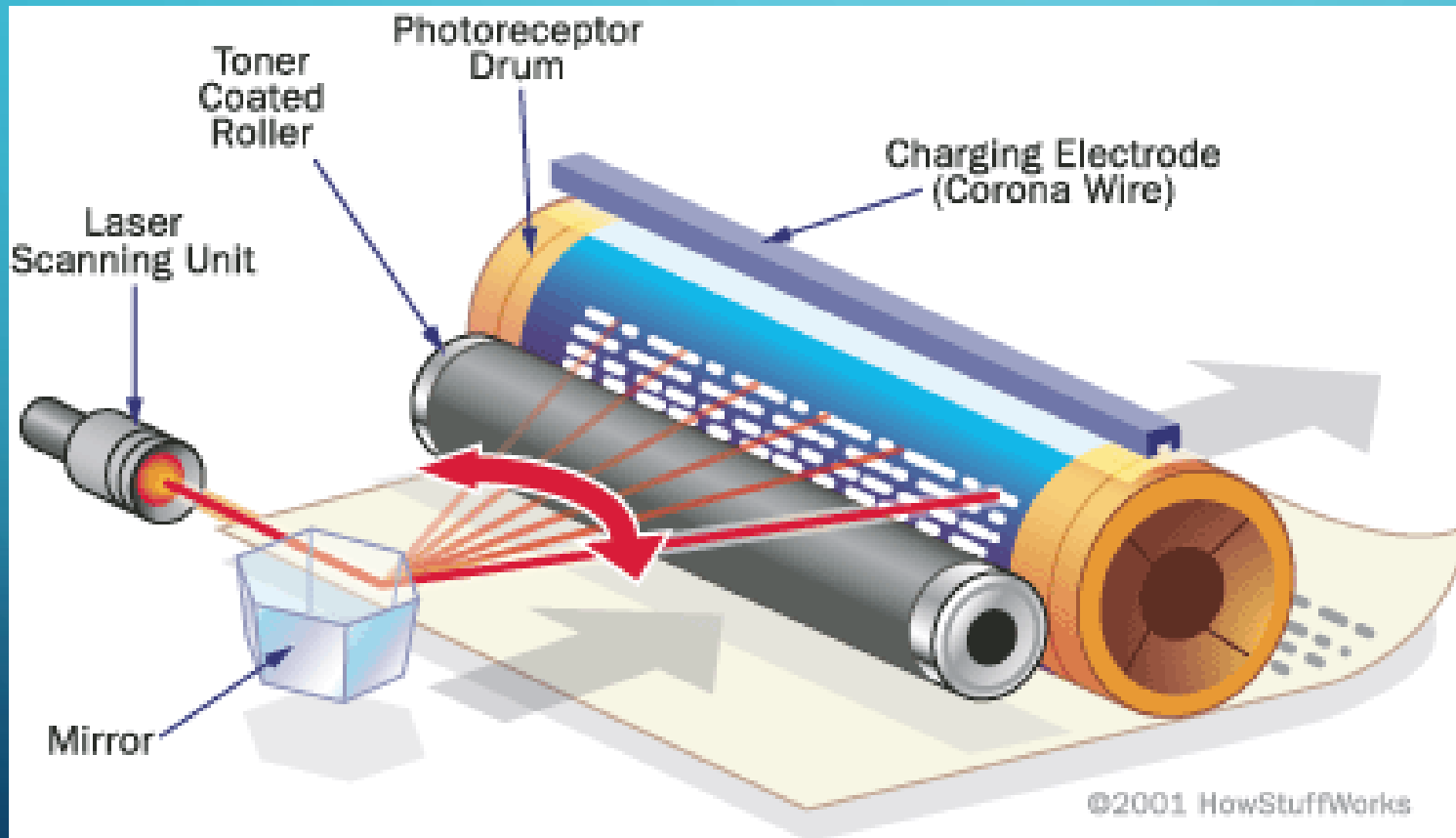
LASERPRINTER

- Odav?
- Kiire
- Täpne
- Voolutarve
- Fotokvaliteet?
- Varjatud kulud?



<https://www.staples.co.uk/content/images/product/GenesisExtraLarge/71/49/asset.5387149.jpg>

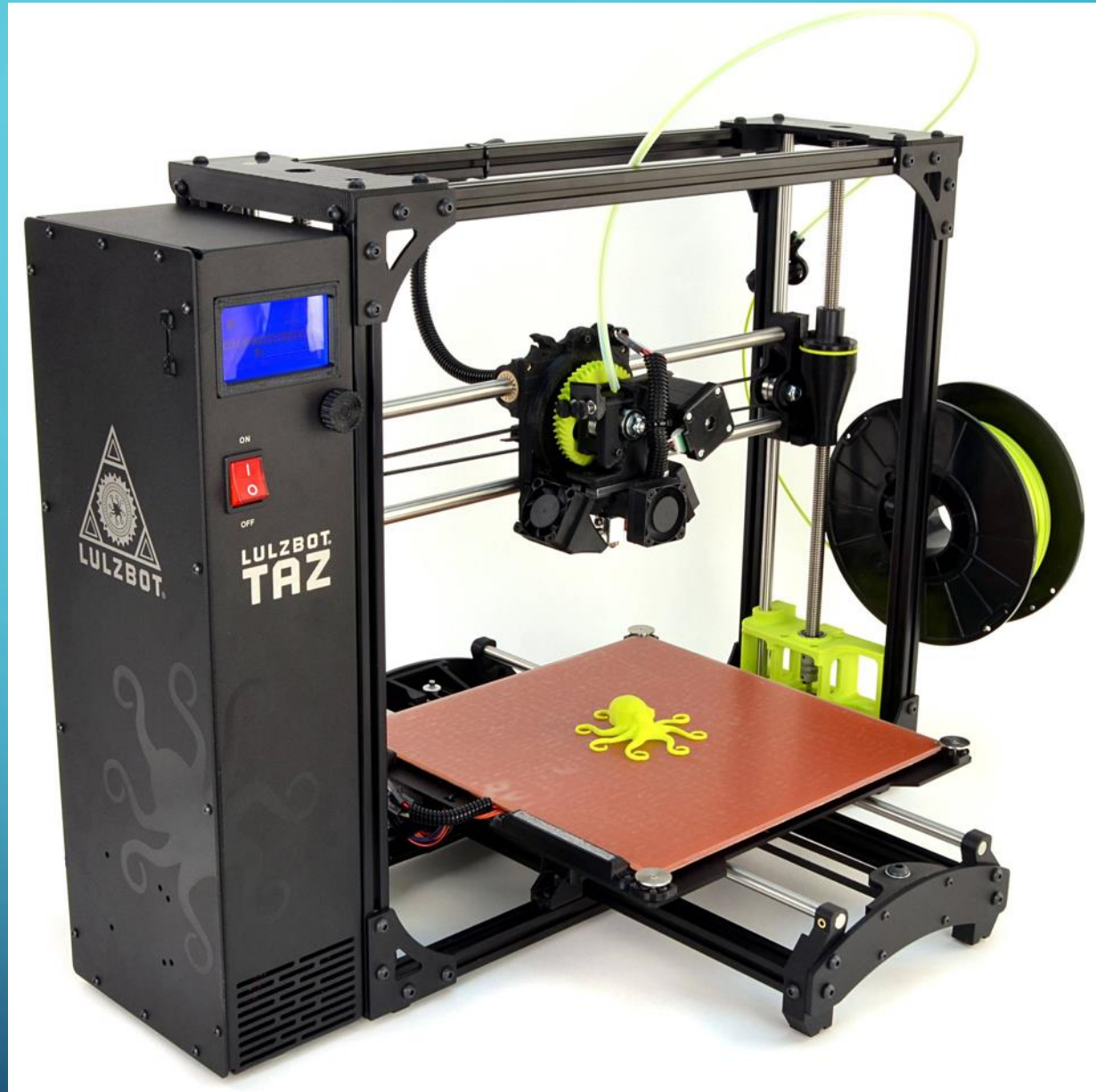
LASERPRINTER



http://www.dginter.net/cst/2011CST/Chapter07/old/UnitBPrinters/old/dev/HowStuffWorks/How%20Laser%20Printers%20Work_files/laser-printer-laser.gif

3D PRINTER

- Stereolithography (SLA)
- Fused Deposition Modeling (FDM)
- Selective Laser Melting (SLM)
- Laminated Object Manufacturing (LOM)



https://static.bhphoto.com/images/images2500x2500/1504625769_1359320.jpg

SKANNER

- Optiline sisendseade, mis loeb paberilt teksti ja pilte ning teisendab kujutise ridahaaval digitaalsele kujule, nii et seda saab arvutiga töödelda, kuvada ja printida.

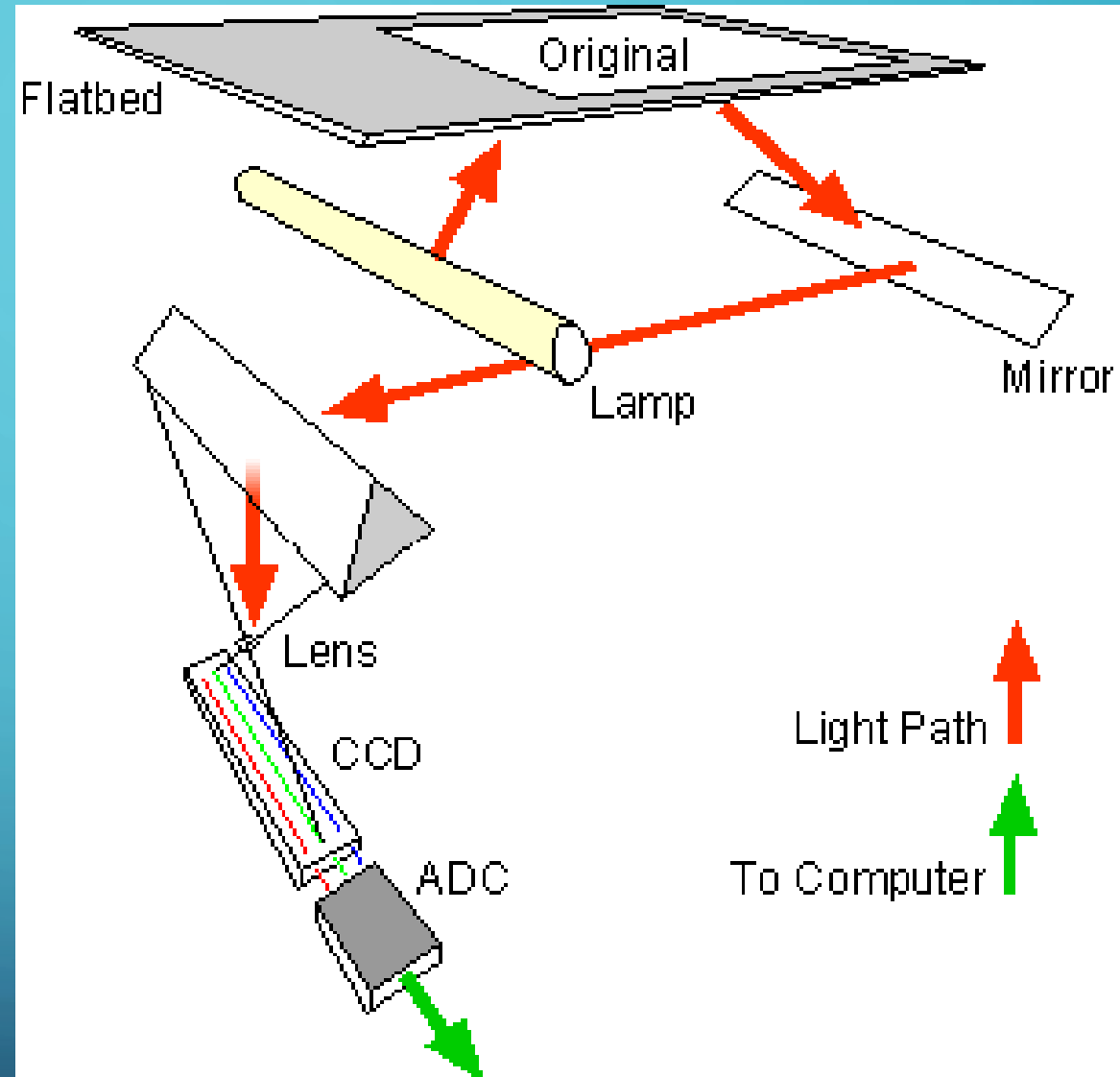
<http://vallaste.ee/>



https://static.bhphoto.com/images/images2000x2000/1481196164_1114127.jpg

SKANNER

- Kiirus (ppm)
- Punktitihedus (dpi)
- Värvisügavus (bit)
- Liides
- Suurus

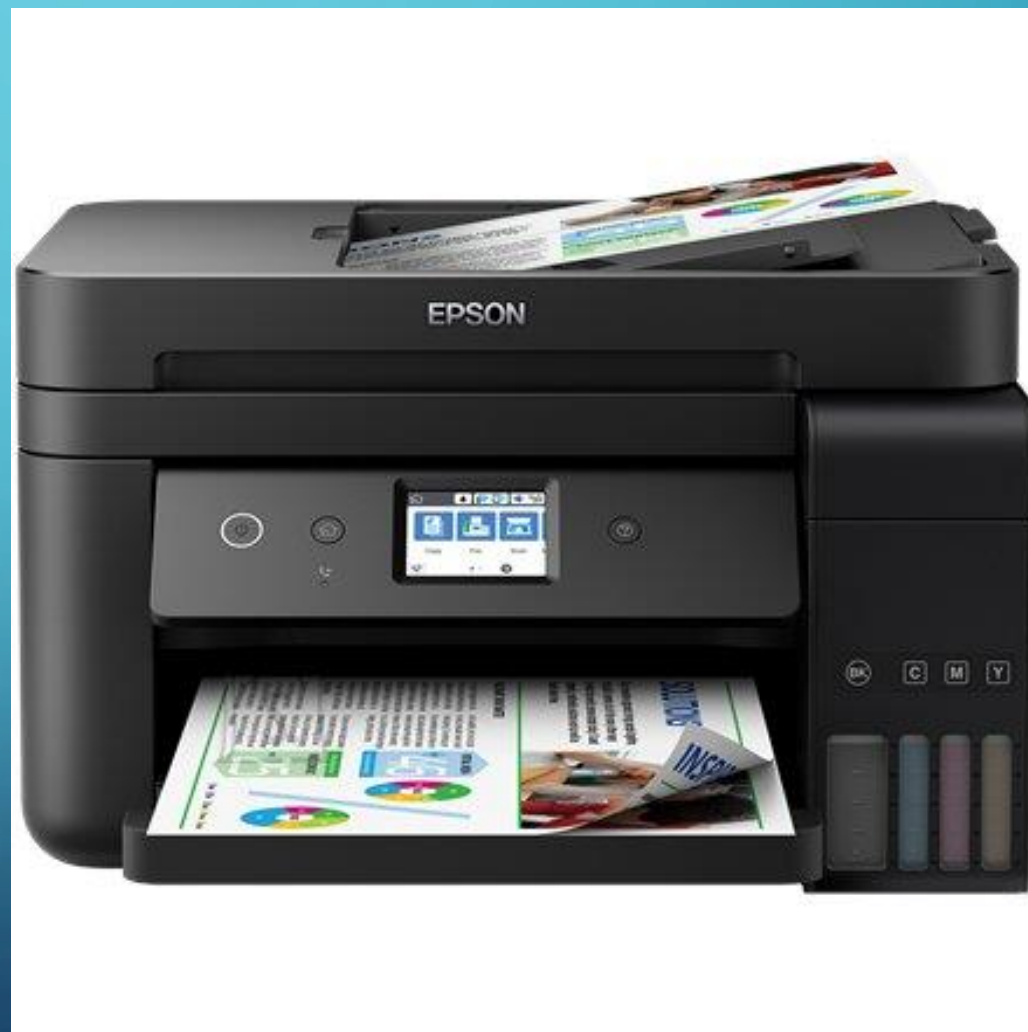


<http://www.extremetech.com/media/images/13636.gif?thumb=y>

MULTIFUNKTSIONAALNE PRINTER

- Printer + skanner
- Parem või halvem?

https://www.shoppa.ee/i/pyrg/products/480x480/2/2/8/6/2286591_epson-multifunctional-printer-l6190-colour-inkjet-cartridge-free-printing-a4-wi-fi-black.jpg



KODUNE TÖÖ

- Monitorid
- Laserprinterid
- Tindiprinterid
- Multifunktsionaalsed seadmed
- Skannerid

ALLIKAD:

- <https://www.viewsonic.com/library/business/monitor-resolution-aspect-ratio>
- <https://www.lifewire.com/lcd-vs-plasma-tv-1847462>
- <https://www.printi.com/blog/sublimation-printing/>
- <https://kb.iu.edu/d/adme>
- <https://desktopreality.com/led-monitors-the-myth-and-the-fact/>
- <https://www.prininternet.co.uk/blog/advantages-of-inkjet-printers-2175/>
- <http://www.dginter.net/cst/2011CST/Chapter07/old/UnitBPrinters/old/dev/HowStuffWorks/How%20Laser%20Printers%20Work.htm>
- <https://whatis.techtarget.com/definition/volt-ampere-VA>
- <https://study.risk.ee/arvuti/kkk/kuidas-lcd-pilti-naidab/>
- https://www.webopedia.com/TERM/O/operating_system.html
- http://www.tlu.ee/~nullyks/opsys_slaidid.pdf
- http://www.teach-ict.com/2016/GCSE_Computing/AQA_8520/3_4_computer_systems/344_systems_architecture/memory/miniweb/pg7.htm