

| COMPETITIVE OVERVIEW | | | | | | | | | | | | |
|----------------------|-----------------------------------|------------------------|--------|--------|--------|-----|------|-------------|--------|--------|----------------|--|
| Manufacturer | Model | Type of scanner | Format | Factor | dpi | bit | Dmax | Dmin Drange | Drange | Price | Quality factor | |
| Agfa | Agfa Argus II | Flatbed CCD Scanner | A4+ | 1,4 | 1.200 | 36 | 3,2 | 0,2 | 3,0 | 1.088 | 1,98 | |
| Agfa | Agfa DuoScan | Flatbed CCD Scanner | A4+ | 1,4 | 2.000 | 36 | 3,6 | 0,3 | 3,3 | 2.177 | 4,70 | |
| Agfa | Agfa DuoScan T1200 | Flatbed CCD Scanner | A4+ | 1,4 | 3.600 | 36 | 3,0 | 0,3 | 2,7 | 82 | 4,90 | |
| Agfa | Agfa DuoScan T2000XL | Flatbed CCD Scanner | A3+ | 1,5 | 2.000 | 36 | 3,6 | 0,3 | 3,3 | 6.733 | 4,63 | |
| Agfa | Agfa DuoScan T2500 | Flatbed CCD Scanner | A4+ | 1,4 | 2.500 | 36 | 3,6 | 0,1 | 3,4 | 4.55 | 5,40 | |
| Agfa | AgfaScan T 5000 | Flatbed CCD Scanner | A3+ | 1,5 | 5.000 | 39 | 3,7 | 0,2 | 3,6 | 19.198 | 14,82 | |
| Agfa | AgfaScan XY-15 | Flatbed CCD Scanner XY | A3+ | 1,7 | 5.000 | 48 | 4,1 | 0,2 | 3,6 | 39.22 | 28,12 | |
| Agfa | Agfa T 5000 Plus | Flatbed CCD Scanner XY | A3 | 1,7 | 5.000 | 39 | 3,9 | 0,2 | 3,7 | 24.303 | 19,66 | |
| Canon | Canon Scan FS2710 | Slide Scanner CCD | 35mm | 1,1 | 2.720 | 36 | 3,2 | 0,3 | 2,9 | 69 | 3,53 | |
| Dainippou Screen | Screen Cézanne | Flatbed CCD Scanner XY | A3 | 1,7 | 5.300 | 48 | 3,9 | 0,3 | 3,6 | 41.222 | 25,63 | |
| Dainippou Screen | Screen SG-8060P | Drum Scanner | A2 | 1,6 | 12.000 | 48 | 3,9 | | 3,6 | 74.568 | 54,67 | |
| Epson | Epson GT-9600 | Flatbed CCD Scanner | A4 | 1,4 | 3.200 | 36 | 3,3 | 0,3 | 3,0 | 1.04 | 5,80 | |
| Eurocore | Eurocore HiScan | Drum Scanner | 4"x5" | 1,3 | 10.000 | 48 | 4,5 | | 4,6 | 20.568 | 56,86 | |
| FujiFilm | Fuji 5250 Celsis | Drum Scanner | A2 | 1,6 | 8.128 | 32 | 4,2 | 0,3 | 3,9 | 45.222 | 30,83 | |
| FujiFilm | Fuji 6250 Celsis | Drum Scanner | A2 | 1,6 | 8.128 | 32 | 4,2 | 0,3 | 3,9 | 60.32 | 30,83 | |
| FujiFilm | Fuji C-330 | Flatbed CCD Scanner | A3+ | 1,5 | 1.200 | 36 | 3,4 | | 3,4 | 19.54 | 2,59 | |
| FujiFilm | Fuji C-550 Lanovia | Flatbed CCD Scanner XY | A3+ | 1,7 | 5.000 | 48 | 3,7 | | 3,7 | 39.96 | 20,67 | |
| Heidelberg | Heidelberg Tango | Drum Scanner | A3 | 1,5 | 11.000 | 36 | 4,2 | 0,3 | 3,9 | 41.03 | 44,01 | |
| Heidelberg | Heidelberg Tango XL | Drum Scanner | A2 | 1,6 | 11.000 | 36 | 4,2 | 0,3 | 3,9 | 64.77 | 46,94 | |
| Heidelberg | Heidelberg Chronograph S3900 | Drum Scanner | A2 | 1,6 | 24.000 | 36 | 4,9 | 0,3 | 4,2 | 97.89 | 125,97 | |
| Heidelberg | Heidelberg F4100 | Flatbed CCD Scanner XY | A3+ | 1,7 | 5.080 | 48 | 4,0 | 0,3 | 3,7 | 36.20 | 26,53 | |
| Heidelberg | Heidelberg F4200 | Flatbed CCD Scanner XY | A3+ | 1,7 | 5.080 | 48 | 4,0 | 0,3 | 3,7 | 41.51 | 26,53 | |
| Heidelberg Linotype | Heidelberg Circon | Flatbed CCD Scanner | A3+ | 1,5 | 2.400 | 36 | 3,6 | 0,3 | 3,3 | 8.26 | 6,09 | |
| Heidelberg Linotype | Heidelberg HiRes | Flatbed CCD Scanner | A4 | 1,4 | 3.048 | 42 | 3,6 | 0,3 | 3,3 | 7.45 | 8,36 | |
| Heidelberg Linotype | Heidelberg Opal Ultra A3 | Flatbed CCD Scanner | A3 | 1,5 | 2.800 | 36 | 3,3 | 0,3 | 3,0 | 4.14 | 5,43 | |
| Heidelberg Linotype | Heidelberg Quickstep | Flatbed CCD Scanner | A3+ | 1,5 | 2.400 | 42 | 3,7 | 0,3 | 3,4 | 17.36 | 7,66 | |
| Heidelberg Linotype | Heidelberg Saphir | Flatbed CCD Scanner | A4 | 1,4 | 1.200 | 36 | 3,0 | 0,3 | 2,7 | 1.36 | 1,63 | |
| Heidelberg Linotype | Heidelberg Saphir Ultra S | Flatbed CCD Scanner | A4 | 1,4 | 2.400 | 42 | 3,3 | 0,3 | 3,0 | 2.62 | 5,07 | |
| Heidelberg Linotype | Heidelberg TOPAZ | Flatbed CCD Scanner | A3+ | 1,5 | 5.080 | 48 | 4,0 | 0,3 | 3,7 | 30.66 | 23,41 | |
| Heidelberg Linotype | Heidelberg TOPAZ IX | Flatbed CCD Scanner XY | A3+ | 1,7 | 5.080 | 48 | 4,0 | 0,3 | 3,7 | 35.91 | 26,53 | |
| Heidelberg Linotype | Heidelberg F2400 XL | Flatbed CCD Scanner XY | A3+ | 1,5 | 2.400 | 42 | 3,7 | 0,3 | 3,4 | 6.71 | 7,66 | |
| Hewlett Packard | HP Photo Shop S20 | Slide Scanner CCD | 35mm | 1,1 | 2.400 | 36 | 3,2 | 0,3 | 2,9 | 49 | 3,11 | |
| Howtek | Howtek Scanmaster 2500 | Flatbed CCD Scanner | A3 | 1,5 | 2.500 | 36 | 3,4 | 0,3 | 3,1 | 15.59 | 5,31 | |
| Howtek | Howtek Scanmaster 4500 | Drum Scanner | A3 | 1,5 | 4.000 | 36 | 4,2 | | 4,2 | 19.600 | 16,00 | |
| Howtek | Howtek Scanmaster 7500Pro | Drum Scanner | A3 | 1,5 | 5.000 | 36 | 4,0 | 0,2 | 3,6 | 57.76 | 17,26 | |
| Howtek | Scanmate F10 Howtek | Flatbed CCD Scanner XY | A3+ | 1,7 | 5.400 | 48 | 4,0 | 0,3 | 3,7 | 35.91 | 28,20 | |
| Howtek | Scanmate F6 Howtek | Flatbed CCD Scanner | A3+ | 1,5 | 3.000 | 48 | 4,0 | 0,3 | 3,7 | 17.95 | 13,82 | |
| Howtek | Scanmate F8 Plus Howtek | Flatbed CCD Scanner | A3+ | 1,5 | 4.000 | 48 | 4,0 | 0,3 | 3,7 | 20.02 | 18,43 | |
| Imacon | Imacon Flextight Precision II | CCD Drum Scanner | A4+ | 1,4 | 5.760 | 42 | 4,1 | 0,2 | 3,9 | 14.99 | 23,34 | |
| Imacon | Imacon Flextight Photo | CCD Drum Scanner | 120 | 1,2 | 3.200 | 42 | 4,1 | 0,2 | 3,9 | 9.99 | 11,12 | |
| Imacon | Imacon Flextight Progression | CCD Drum Scanner | A3+ | 1,5 | 5.760 | 42 | 4,1 | 0,2 | 3,9 | 19.99 | 25,01 | |
| Microtek | Microtek ArtixScan 4000T | Slide Scanner CCD | 35mm | 1,1 | 4.000 | 36 | 3,4 | 0,3 | 3,1 | 1.69 | 6,23 | |
| Microtek | Microtek Scanmaker 5 | Flatbed CCD Scanner | A4 | 1,4 | 2.000 | 36 | 3,6 | 0,3 | 3,3 | 2.48 | 4,70 | |
| Microtek | Scanmaker 2000 | Flatbed CCD Scanner | A3 | 1,5 | 2.000 | 36 | 3,9 | 0,3 | 3,2 | 7.59 | 4,63 | |
| Mikrotek | Mikrotek Artix 6000 XY | Flatbed CCD Scanner XY | A3 | 1,7 | 2.000 | 42 | 3,7 | 0,3 | 3,4 | 12.50 | 7,23 | |
| Minolta | Minolta Dimage Scan Multi | Slide Scanner CCD | 120 | 1,2 | 2.820 | 36 | 3,6 | 0,3 | 3,3 | 2.49 | 5,69 | |
| Minolta | MinoltaDimage Scan Speed | Slide Scanner CCD | 35mm | 1,1 | 2.820 | 48 | 3,6 | 0,3 | 3,3 | 86 | 6,99 | |
| Nikon | Nikon LS-4500 | Slide Scanner CCD | 4"x5" | 1,3 | 3.000 | 36 | 3,6 | 0,3 | 3,3 | 11.76 | 6,59 | |
| Nikon | Nikon Super Coolscan III (LS30) | Slide Scanner CCD | 35mm | 1,1 | 2.700 | 30 | 3,0 | 0,3 | 2,7 | 89 | 2,41 | |
| Nikon | Nikon Super Coolscan LS 2000 | Slide Scanner CCD | 35mm | 1,1 | 2.700 | 36 | 3,6 | 0,3 | 3,3 | 1.93 | 4,99 | |
| Olympus | Olympus ES-10 | Slide Scanner CCD | 35mm | 1,1 | 2.400 | 24 | 3,0 | 0,3 | 2,7 | 39 | 1,71 | |
| Optiq | Optiq A3 | Flatbed CCD Scanner | A3 | 1,5 | 2.400 | 36 | 3,4 | 0,3 | 3,1 | 6.00 | 5,09 | |
| Optiq | Optiq Slide | Slide Scanner CCD | 35mm | 1,1 | 2.400 | 30 | 3,4 | 0,3 | 3,1 | 2.27 | 3,11 | |
| Polaroid | Polaroid SprintScan 4000 | Slide Scanner CCD | 35mm | 1,1 | 4.000 | 36 | 3,4 | 0,3 | 3,1 | 2.32 | 6,23 | |
| Polaroid | Polaroid SprintScan 451pro | Slide Scanner CCD | 4"x5" | 1,3 | 4.000 | 36 | 3,4 | 0,3 | 3,1 | 9.80 | 7,36 | |
| Polaroid | Polaroid SprintScan 35Plus | Slide Scanner CCD | 35mm | 1,1 | 2.700 | 36 | 3,4 | 0,3 | 3,1 | 1.49 | 4,20 | |
| Purup-Eskofot | Purup-Eskofot EskoScan 2024 | Flatbed CCD Scanner | A2 | 1,6 | 2.540 | 36 | 4,0 | 0,7 | 3,3 | 73.09 | 9,36 | |
| Purup-Eskofot | Purup-Eskofot EskoScan 2636/2636S | Flatbed CCD Scanner | A1 | 1,7 | 2.540 | 36 | 4,0 | 0,7 | 3,3 | 104.42 | 9,99 | |
| Purup-Eskofot | Purup-Eskofot EskoScan 3648 | Flatbed CCD Scanner | A0 | 1,8 | 2.540 | 36 | 4,0 | 0,7 | 3,3 | 134.25 | 10,53 | |
| Purup-Eskofot | Purup-Eskofot EskoScan Vincent | Flatbed CCD Scanner | A3+ | 1,5 | 5.080 | 36 | 4,2 | 0,6 | 3,6 | 42.81 | 20,32 | |
| Scanview | Scanview Scanmate 11000 | Drum Scanner | A4+ | 1,4 | 11.000 | 32 | 4,0 | | 4,0 | 26.24 | 31,54 | |
| Scanview | Scanview Scanmate 3000 | Drum Scanner | A4+ | 1,4 | 3.000 | 36 | 3,6 | | 3,6 | 15.89 | 7,03 | |
| Scanview | Scanview Scanmate F10 | Flatbed CCD Scanner XY | A3+ | 1,7 | 5.400 | 48 | 4,0 | 0,3 | 3,7 | 33.84 | 28,20 | |
| Scanview | Scanview Scanmate F4 | Flatbed CCD Scanner | A3+ | 1,5 | 2.400 | 42 | 3,7 | 0,3 | 3,4 | 6.82 | 7,66 | |
| Scanview | Scanview Scanmate F6 | Flatbed CCD Scanner | A3+ | 1,5 | 3.000 | 48 | 4,0 | 0,3 | 3,7 | 17.95 | 13,82 | |
| Scitex | Scitex Eversmart | Flatbed CCD Scanner | A3+ | 1,5 | 2.540 | 42 | 4,0 | 0,3 | 3,7 | 25.44 | 10,24 | |
| Scitex | Scitex Eversmart Pro | Flatbed CCD Scanner | A3+ | 1,5 | 3.175 | 42 | 4,0 | 0,3 | 3,7 | 30.73 | 12,80 | |
| Scitex | Scitex Eversmart Supreme | Flatbed CCD Scanner | A3+ | 1,5 | 5.600 | 48 | 4,3 | 0,3 | 4,0 | 45.04 | 32,06 | |
| Scitex | Scitex Smart 342 L | Flatbed CCD Scanner | A3+ | 1,5 | 2.800 | 26 | 3,6 | 0,3 | 3,3 | 22.55 | 5,09 | |
| Scitex | Scitex Eversmart Jazz | Flatbed CCD Scanner XY | A3 | 1,7 | 2.000 | 42 | 3,7 | 0,3 | 3,4 | 13.81 | 7,23 | |
| Scitex | Scitex Eversmart Jazz Plus | Flatbed CCD Scanner XY | A3 | 1,7 | 2.540 | 42 | 3,7 | 0,3 | 3,4 | 17.12 | 9,19 | |
| Sony | Sony UY-S77 | Slide Scanner CCD | 35mm | 1,1 | 2.200 | 36 | 3,6 | 0,3 | 3,3 | 7.39 | 4,06 | |
| Storm | Storm Scan Pro T8000 | Flatbed CCD Scanner | A3 | 1,5 | 4.000 | 48 | 4,2 | | 4,2 | 23.79 | 21,34 | |
| Umax | Umax Powerlook III | Flatbed CCD Scanner | A4 | 1,4 | 2.400 | 36 | 3,4 | 0,3 | 3,1 | 1.79 | 4,73 | |
| Umax | Umax PowerLook Pro 3000 | Flatbed CCD Scanner | A4 | 1,4 | 3.048 | 42 | 3,6 | 0,3 | 3,3 | 6.90 | 8,36 | |

Scanner Comparison Guide

Sharpness, Shadow Details and Color Fidelity
3 essential qualities to evaluate and determine a repro-quality scanner.

The qualification of a scanner is entirely up to the potential buyer and what suits their needs and budget. Some data sheets may not always tell the whole story. However, a lot of information can be read in the data sheets, also in respect to the Sharpness, Shadow Detail and Color Fidelity.

The 3 single most important technology-characteristics that can be found in the data sheets are:

- Resolution in dpi
- Number of Bits per color
- Dmax (density max)

These factors alone do not describe in detail the capabilities of a given product, nor do they have equal weight/impact on the scan quality. However, these factors can be found in any data-sheet and thus help the potential buyer to preliminarily evaluate the theoretical quality of a given scanner.

Having said so, "usability" and XY capability also plays an important role when evaluating a scanner, and should also be taken into consideration.

Based on the factors above, a Quality Point for each scanner can be calculated - and knowing the price of the scanner the "value-for-money" ratio can be displayed in a diagram.

Calculating the Quality Points are done by means of the below formula, taking the weight of each factor into consideration. "Usability" can be translated into Scan Area and add a multiplication value. If a scanner has XY capabilities, an additional value is added to this factor.

| Format | Factor |
|---|--------|
| Aps | 1.0 |
| 24 x 36 | 1.1 |
| 120 | 1.2 |
| 4" x 5" & A5 | 1.3 |
| A4 | 1.4 |
| A3 | 1.5 |
| A2 | 1.6 |
| A1 | 1.7 |
| A0 | 1.8 |
| If XY scanner: then add the factor with 0.2 | |