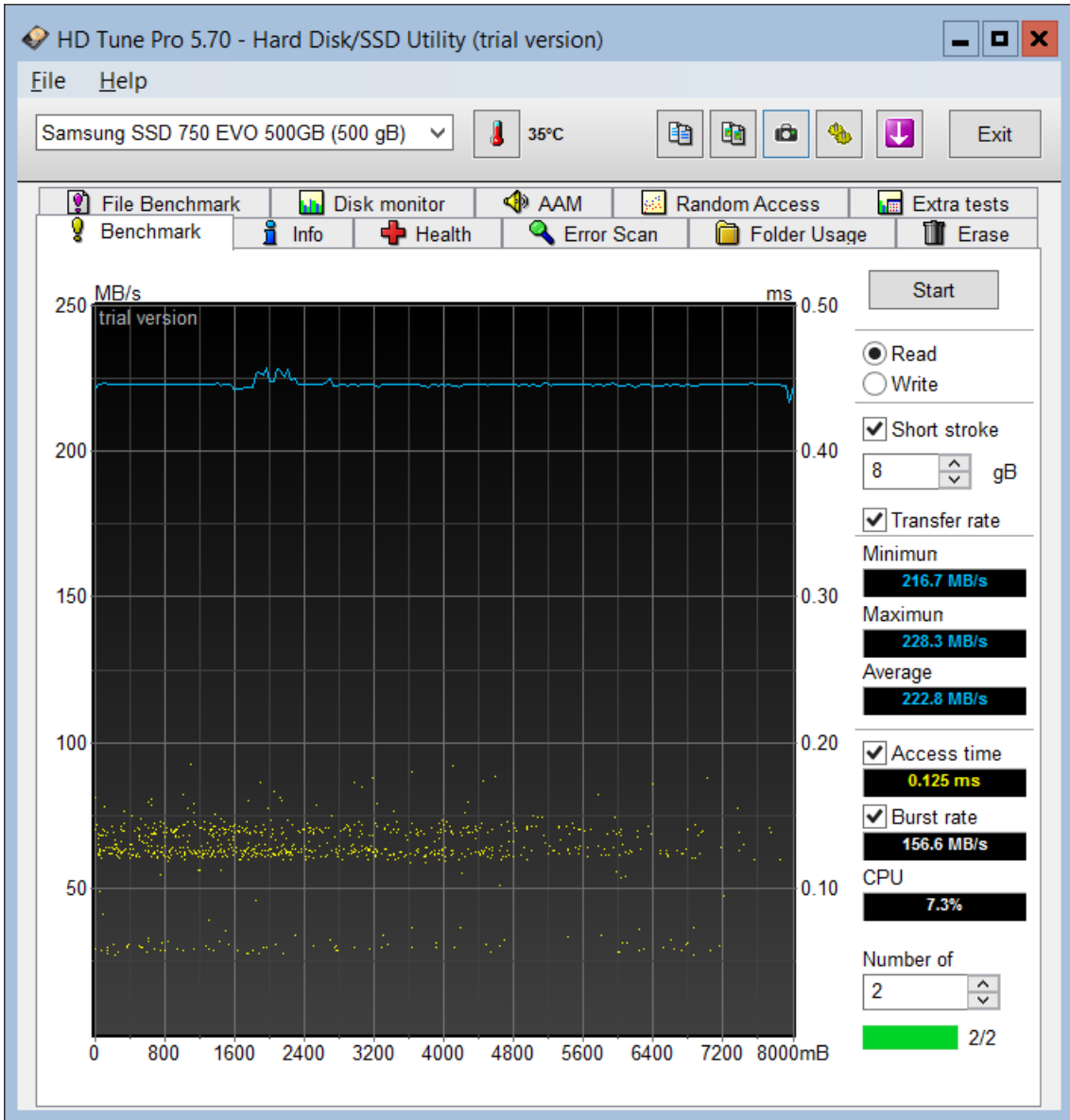


SSD Benchmark (Samsung 750Evo – 500GB)



HD Tune Pro 5.70 - Hard Disk/SSD Utility (trial version)

File Help

Samsung SSD 750 EVO 500GB (500 gB) 35°C

Benchmark Info Health Error Scan Folder Usage Erase

File Benchmark Disk monitor AAM Random Access Extra tests

Transfer speed

Start

Drive: G:

File: 148 MB

Data: Zero

	Read	Write
Sequential	188416 KB/s	185266 KB/s
4 KB random	7848 IOPS	13504 IOPS
4 KB random <input type="checkbox"/> 32	23103 IOPS	22176 IOPS

Block size measurement

File: 64 MB

Delay: 0

HD Tune Pro 5.70 - Hard Disk/SSD Utility (trial version)

File Help

Samsung SSD 750 EVO 500GB (500 gB) 35°C

Benchmark Info Health Error Scan Folder Usage Erase
 File Benchmark Disk monitor AAM Random Access Extra tests

Start

Read
 Write

Short stroke

40 gB

4 KB align

transfer size	operations / sec	avg. access time	max. access time	avg. speed
<input checked="" type="checkbox"/> 512 bytes	9063 IOPS	0.110 ms	0.409 ms	4.425 MB/s
<input checked="" type="checkbox"/> 4 KB	7718 IOPS	0.129 ms	3.749 ms	30.152 MB/s
<input checked="" type="checkbox"/> 64 KB	2550 IOPS	0.392 ms	7.519 ms	159.405 MB/s
<input checked="" type="checkbox"/> 1 MB	244 IOPS	4.093 ms	7.968 ms	244.314 MB/s
<input checked="" type="checkbox"/> Random	452 IOPS	2.210 ms	7.557 ms	229.589 MB/s

HD Tune Pro 5.70 - Hard Disk/SSD Utility (trial version)

File Help

Samsung SSD 750 EVO 500GB (500 gB) 35°C

Benchmark Info Health Error Scan Folder Usage Erase

File Benchmark Disk monitor AAM Random Access Extra tests

Test	I/O	Time	Transfer
<input checked="" type="checkbox"/> Random seek	9443 IOPS	0.106 ms	4.611 MB/s
<input checked="" type="checkbox"/> Random seek 4 KB	8422 IOPS	0.119 ms	32.900 MB/s
<input checked="" type="checkbox"/> Butterfly seek	9592 IOPS	0.104 ms	4.684 MB/s
<input checked="" type="checkbox"/> Random seek / size 6...	6188 IOPS	0.162 ms	95.148 MB/s
<input checked="" type="checkbox"/> Random seek / size 8...	64 IOPS	15.653 ms	259.050 MB/s
<input checked="" type="checkbox"/> Sequential outer	3542 IOPS	0.282 ms	221.364 MB/s
<input checked="" type="checkbox"/> Sequential middle	3547 IOPS	0.282 ms	221.659 MB/s
<input checked="" type="checkbox"/> Sequential inner	3559 IOPS	0.281 ms	222.455 MB/s
<input checked="" type="checkbox"/> Burst rate	2499 IOPS	0.400 ms	156.212 MB/s

Start

Read
 Write

Short stroke

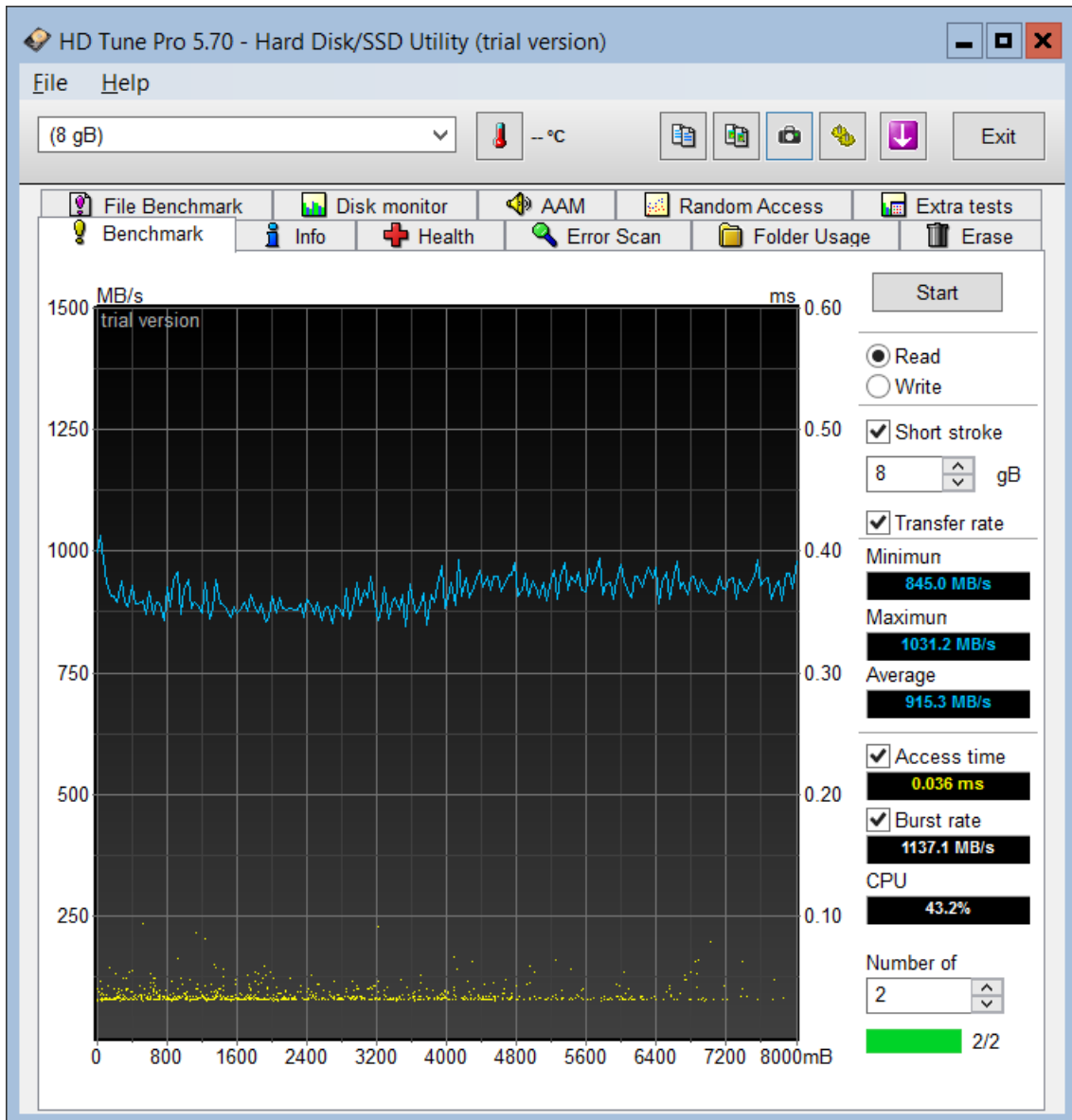
40 gB

4 KB align

Progress 100%

Cache

RAMdisk Benchmark (Corsair Vengeance 16GB DDR3)



HD Tune Pro 5.70 - Hard Disk/SSD Utility (trial version)

File Help

(8 GB) --°C

Benchmark Info Health Error Scan Folder Usage Erase

File Benchmark Disk monitor AAM Random Access Extra tests

Transfer speed

Start

Drive: C:

File: 500 MB

Data: Zero

	Read	Write
Sequential	1297355 KB/s	1063074 KB/s
4 KB random	21127 IOPS	21543 IOPS
4 KB random <input type="checkbox"/> 32	30471 IOPS	28588 IOPS

Block size measurement

File: 64 MB

Delay: 0

HD Tune Pro 5.70 - Hard Disk/SSD Utility (trial version)

File Help

(8 gB) --°C

Benchmark Info Health Error Scan Folder Usage Erase
 File Benchmark Disk monitor AAM Random Access Extra tests

Start

Read
 Write

Short stroke

40 gB

4 KB align

transfer size	operations / sec	avg. access time	max. access time	avg. speed
<input checked="" type="checkbox"/> 512 bytes	26376 IOPS	0.037 ms	0.108 ms	12.879 MB/s
<input checked="" type="checkbox"/> 4 KB	21544 IOPS	0.046 ms	3.771 ms	84.157 MB/s
<input checked="" type="checkbox"/> 64 KB	12169 IOPS	0.082 ms	3.354 ms	760.590 MB/s
<input checked="" type="checkbox"/> 1 MB	1561 IOPS	0.640 ms	4.440 ms	1561.653 MB/s
<input checked="" type="checkbox"/> Random	2924 IOPS	0.341 ms	4.469 ms	1483.874 MB/s

HD Tune Pro 5.70 - Hard Disk/SSD Utility (trial version)

File Help

(8 gB) --°C

Benchmark Info Health Error Scan Folder Usage Erase

File Benchmark Disk monitor AAM Random Access Extra tests

Test	I/O	Time	Transfer
<input checked="" type="checkbox"/> Random seek	33633 IOPS	0.030 ms	16.423 MB/s
<input checked="" type="checkbox"/> Random seek 4 KB	28746 IOPS	0.035 ms	112.288 MB/s
<input checked="" type="checkbox"/> Butterfly seek	34512 IOPS	0.029 ms	16.852 MB/s
<input checked="" type="checkbox"/> Random seek / size 6...	23817 IOPS	0.042 ms	366.213 MB/s
<input checked="" type="checkbox"/> Random seek / size 8 ...	403 IOPS	2.480 ms	1634.915 MB/s
<input checked="" type="checkbox"/> Sequential outer	14056 IOPS	0.071 ms	878.490 MB/s
<input checked="" type="checkbox"/> Sequential middle	13981 IOPS	0.072 ms	873.829 MB/s
<input checked="" type="checkbox"/> Sequential inner	15175 IOPS	0.066 ms	948.425 MB/s
<input checked="" type="checkbox"/> Burst rate	13925 IOPS	0.072 ms	870.340 MB/s

Start

Read
 Write

Short stroke

40 gB

4 KB align

Progress 100%

Cache