SSD DATA RECOVERY

SUCCESSFUL DATA RECOVERY FROM SSD MEMORY WEAR

CLIENT

NerdsToGo, a valued partner in Kemah, Texas, recently contacted our lab for assistance. They tried to resolve data loss on a customer's internal SSD drive. When the attempt was unsuccessful, they reached out to our SSD data recovery team for assistance.

HARDWARE

Our partner sent us their customer's SATA 2.5-inch A-Data internal SSD. The 1 TB drive came from the customer's desktop Windows computer.
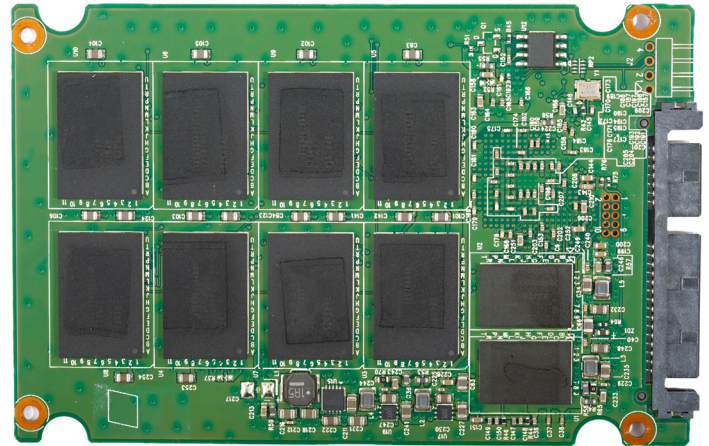
CAUSE OF DATA LOSS

The customer brought the drive to NerdsToGo when it failed to mount or even be recognized by the Windows OS. After unsuccessfully attempting to resolve the access issues, they sent the failed drive to our lab for a comprehensive diagnostic analysis.

DATA RECOVERY

Our technicians accessed the drive with a custom software utility and modified controller. A thorough examination and SMART analysis showed that the SSD was experiencing read errors. Further review determined that natural wear in the memory cells on the drive's NAND chips was the underlying cause of the read errors.

The SSD recovery team manually rebuilt the drive's file system. Next, they located and analyzed all available user data. After submitting a list of all recoverable files and receiving authorization to proceed, our technicians used custom utilities to extract all available files and transfer them to our secure storage servers.

OUTCOME

SSD data recovery can be complicated because of the way data gets stored across an SSD device's memory chips. In this case, our team was able to successfully extract all the lost data — about 442 GB in total. We transferred all recovered data to a 1 TB external drive for return shipment to our partner.

Partnering with Secure Data Recovery Services has many benefits. The one we're most proud of is that we exhaust every option technologically possible to recover lost data. We've been expanding the limits of what is possible every year. Our research and development team works tirelessly to create new utilities to meet current and emerging data loss situations.

Make sure you check in with us before you write off a failed SSD or other storage device as unrecoverable.

Call us at **800-388-1266** for a free consultation or to open a new data recovery case.

NerdsToGo
Kemah, TX