

Hard Disk Drive Assembly

Head Stack Assembly (HSA)

Voice Coil Bonding

Key Requirements

- Controlled viscosity
- Controlled shrinkage
- Controlled thermal expansion

Products

- GL658-4 - Aluminum filled, fast curing ≤30min

Retain Pivot Cartridge to Armature

Key Requirements

- Bond bearings with low stress for optimum performance
- Rigid bonds

Products

- GL904-1 – RT fast gel, rigid bonding
- UV255 – UV fast cure

Bonded Armature Stack

Key Requirements

- Low shrinkage
- No micro-movement or migration after assembly
- Controlled coefficient of thermal expansion

Products

- UV255 – UV fast cure

Flexible Circuit Bonding to Suspension

Key Requirements

- Fast cure
- Controlled micro-dispensing

Products

- UV255 – UV fast cure

Voice Coil Magnet (VCM)

Key Requirements

- Impact Strength
- Rigid - no micromovement of bonded assemblies

Products

- UV255 – UV fast cure
- GL904-1 – RT fast gel, rigid bonding

Cover plate Gasket

Key Requirements

- Controlled thixotropy
- Reusable and durable
- Soft and highly flexibility
- Easily processed to high design tolerances - non-slumping
- Retain shape under compression

Products

- GL902-4 – Soft and flexible
- GL906-4 – Toughened

Fluid Dynamic Bearing (FDB) Spindle Motor

Magnet to Hub

Key Requirements

- Impact Strength
- Rigid – no micromovement of bonded assemblies

Products

- UV367 – UV fast cure
- GL506 – Room Temp cure

Starter Coil to Frame

Key Requirements

- Low shrinkage
- No micro-movement or migration after assembly
- Controlled coefficient of thermal expansion

Products

- UV255 – UV fast cure

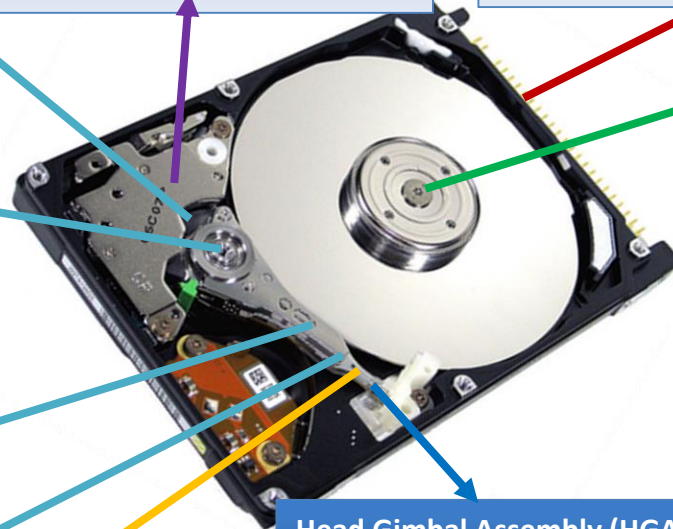
Spindle Motor to Housing

Key Requirements

- Low shrinkage
- No micro-movement or migration after assembly
- Controlled coefficient of thermal expansion

Products

- GL506 – Room Temp cure



Slider Fabrication

Key Requirements

- Low shrinkage
- Machinable
- Easily remove slider with proper solvent

Products

- UV367 – Low viscosity
- UV421-2 – Toughened

Head Gimbal Assembly (HGA) – Slider Bonding to Gimbal

Key Requirements

- Low shrinkage
- No micro-movement or migration after assembly
- Controlled coefficients of thermal expansion

Products

- UV255 – UV fast cure
- UV421-2 – Toughened