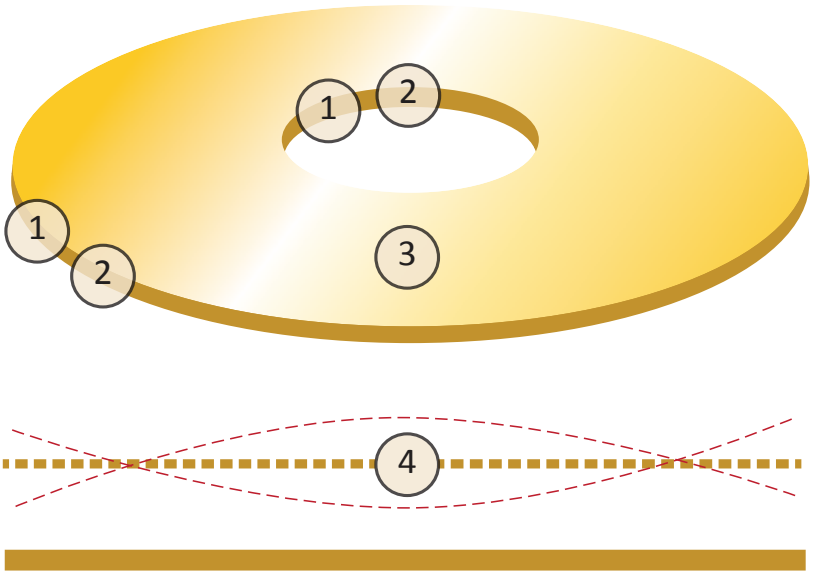
FIVE FEATURES OF QUALITY PRINTABLE MEDIA

An optical disc that works well when hand placed in a single recorder or printer can malfunction in a robotic system leading to system errors and faulty output. Rimage media suppliers must adhere to all applicable book specifications, as well as Rimage-specific requirements, to be qualified for use with Rimage systems. Rimage only provides media guaranteed to ensure the smooth operation of robotic disc publishing systems.



1. All discs must have flat edges (90 degrees) with no rounding or imperfections. Discs with imperfect edge profiles are difficult to pick from a bin and difficult to clamp.

2. Outer edges of the disc must have adequate adhesive. Discs with imperfect outer edges will often split or separate when clamping pins secure them in a robotic printer.

3. Discs must be manufactured with precise and even weight distribution—this is required so the disc is balanced and will spin smoothly, without vibration.

- Clear Top Coat
- Printable (white) Coat
- Clear Lacquer Sealant
- Reflective Layer (silver or gold)
- Dye Layer
- CD Clear Polycarbonate

4. The discs must adhere to flatness requirements. Discs that are not flat will often fail to clamp and in severe cases will not properly record.

5. Discs must have coatings specific to the print technology used.
   - Inkjet discs must have a coating that receives ink well but will not bleed or smear easily.
   - Thermal discs need a thermal printable ink layer to protect the data layer from heat generated by the printer.
   - Thermal re-transfer discs need the most robust coating due to the demands of the retransfer print engine.