



Disc Cloners Plus
DISC CLONERS PLUS

Duplication or Replication

Many people use the terms Duplication & Replication interchangeably. They are similar in the fact that they are both used to copy data, video, or audio onto DVD/CD media.

However, Duplication and Replication are two very different processes.

DVD/CD **Duplication**

Duplication is making a copy of a disc on recordable media.

The master disc from our client is placed in a reader which then copies the data onto a hard drive. The master is then ejected and blank discs are then loaded into the system. The data is burned (transferred) to the blank discs. The information on each copy is verified and the disc copies are either accepted or rejected.

DVD/CD **Replication**

Replication is the actual manufacturing of the disc from scratch.

The master from our client is used to create a "glass master" or "stamper." This "stamper" is then used to form the "pits and waves" of the disc onto the injection molded plastic which make up the disc copies.

Which method is right for my project...

Duplication

Same day or 24-48 hours complete
Inkjet/thermal print on disc
Usually more expensive for runs 1000+
Only option for quantities 500 or less

Replication

8-10 business days to complete
Silkscreen/offset print on disc
Usually less expensive for runs 1000+
Not cost efficient for quantities 500 or less



DiscClonersPlus
DISC DUPLICATION SERVICES

Our Standard Packaging Options



Spindle - this is a bulk shipping package and is free.
This is a great solution when you already have packaging.



White Paper Sleeve with Cello Window - Our least expensive packaging option.
Basic packaging that shows off your disc and protects it too.



The Jewel Case - Versatile and familiar. Can be outfitted with inserts and tray cards



The C-Shell - Our most popular case for DVD/CD. Clear durable plastic that shows off your disc art and protects it without cracking.

We always try to suggest the best solution for packaging your DVD/CD - Here are some things you should keep in mind when making your decision.

- Paper sleeves are a great choice for mailing your discs with other materials and if you're on a tight budget.
- Jewel cases stack well on a shelf - but often crack or get damaged when put in the mail or they're opened and closed a lot.
- Our most popular choice is the C-shell, value priced, it is lightweight, (great for mailing) very durable and will not crack.

In-House Duplication Printing Options



Direct-to-Disc Black Thermal Printing



(actual scans of thermal printed discs)

A thermal CD printer uses pressure and heat to apply text and graphics to the discs printable surface.

The resulting print is water and scratch resistant.

Thermal print is clear and sharp, and the only major limitation of the thermal print method is its inability to produce photographic images.

For this reason, a thermal print should only be used for single color (black, blue or red) text and graphics.

In-House Duplication Printing Options



Disc Cloners Plus
DIGITAL DISC DUPLICATION & SERVICES

Direct-To-Disc Full Color Inkjet Printing



(actual scans of inkjet printed discs)

An inkjet disc printer works very much like an inkjet paper printer. The ink is sprayed from nozzles onto the inkjet printable disc surface. In fact, the vibrancy and detail of an inkjet print can only be matched by an offset print. Not even a screen print comes close!

Photographic images, text, logos and other graphics are all produced with amazing detail, color and clarity. Although inkjet print can not produce a true Pantone color match some very good results are possible.

It can take up to 90 seconds to print one full coverage disc, so full color discs take more time to produce. The quality of the print and the reasonable price make inkjet printing the best and most cost effective option for projects that require quality direct-on-disc labeling.



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