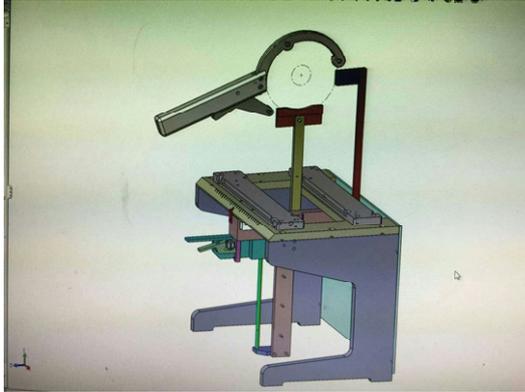


## HDD Manual

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# Single Disc Lifter Tool – Operation Guideline

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This single disc manual lifter is a dedicated design for **removing any HDD disc from a cassette** without touching the adjacent disc. This tool has been tested in various customers site with high remark and compliments.

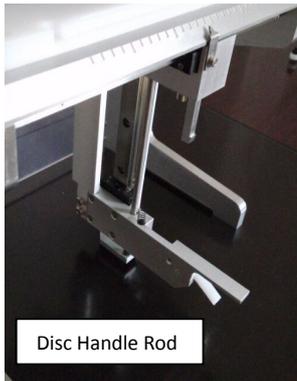
The **Operation of this single disc manual lifter** is simple however there are a few guidelines to follow:

- 1) Place the lifter on an evenly flat table.
- 2) Place a cassette without top and bottom cover.
- 3) Make sure the cassette sit properly in the lifter shoe.
- 4) While moving the handle rod, move gentle.
- 5) Do not leave the handle rod until it is at the upper “lock” position or at the bottom “rest” position.
- 6) The handle rod supposes to move from slot 1 to slot 25 smoothly.

## Basic Function

The single disc lifter is a precisely designed tool with several unique functions, there are several part which you want to know.

### Handling Rod



Handling rod is the main control mechanism for the tool. The handling rod is used to control the lifter moving side way and moving upward. Please read the operation guideline in subsequence page.

### Disc Position Indicator

The disc lifter tool comes with a disc position indicator. Operator could judge the number of disc which he removed out from the cassette.



### Cassette Holder

The standard cassette holder is suitable for standard 95mm OD substrate cassette. For other dimension substrate, such as 70mm, 65mm substrate, we have to change the holder in order to properly grid the cassette.



### Lifter Hot Shoe

The orange colour lifter hot shoe is designed to hold both 95/50mil and 95/69mil substrate. The soft material of the lifter hot shoe will prevent hard damage to the substrate. Operator could use cotton swab with IPA to remove contaminant stick on the lifter hot shoe.



## Operation Procedure

### Handle Rod Move Sideway

- 1) Handle rod at bottom “rest” position.
- 2) Slightly press the handle rod downward.
- 3) Move the handle rod side way to the position you want.
- 4) Release the downward press force.

### Move Upward to Lift up the Disc

- 1) Press down the “clip” at the handle.
- 2) Move upward the handling rod.
- 3) The lifter will lift up the disc on that particular slot.
- 4) While you listen the sound “click”, it means the lifter is at highest position and it locked.
- 5) You can release the handle rod.



### Move Downward to put back the disc into the cassette

- 1) Press the “Clip” at the handle tool.
- 2) Move down the handling rod.
- 3) Only release your hand once the handling rod reaches the bottom position.

## OD Gripper Tool

Once the disc is lifted out from the cassette, operator could manual hold the disc with his hand or using an OD gripper tool to hold the disc.

The OD gripper tool is designed to hold the disc at 3 spot of OD edge portion. 2 of the spots are fixed spot whereby the inner spot is a moving part.

Operator could press the holder in order to move the last moving spot. Not much secret of the OD gripper tool, however you need some practice in order to manage the tool.



## Want More?

Maxwaytec Engineering tries to write down as much detail in this Operation Guideline, meanwhile we also include video clip to show our users how to use this single disc lifter tool.

You can are invited to view our video clip via below link:

- 1) Operate the single disc lifter

<https://www.youtube.com/watch?v=z95qeT4FDD0>

*p/s: Maxwaytec Engineering will modify the tools design while deem fit.*