

HANDLING DISC	INDICATION	CASING
Material interaction	—	✓
Data interaction	✓	✓
Spatial interaction	✓	✓

INDICATION	HANDLING DISC	CASING
Material interaction	—	✓
Data interaction	✓	—
Spatial interaction	✓	✓

CASING	HANDLING DISC	INDICATION
Material interaction	✓	✓
Data interaction	—	—
Spatial interaction	✓	✓

HANDLING DISC MATERIAL INTERACTION	INDICATION —	CASING The disc sorter and the wheel is placed on inclined surface. Wheel & Surface has 5mm tolerance gap and same with disc sorter.
DATA INTERACTION	Receives disc arrival data and motor switches on and off.	Sense the disc and sends signal to motor and make servo rotate.
SPATIAL INTERACTION	Subsystems are connected with no degrees of freedom.	Wheel has only 1 degree of freedom i.e. rotating. Subsystems are connected to each other with no degrees of freedom.

CASING	HANDLING DISC	INDICATION
MATERIAL INTERACTION	The base and the disc handling unit i.e, incline surface at an angle of 15° which is at a height of 15cm from base.	The indicator ckt is placed on the near the disc sorter.
DATA INTERACTION	—	—
SPATIAL INTERACTION	Degrees of freedom Φ . Subsystems are connected to each other with no degrees of freedom.	Degrees of freedom Φ . Subsystems are connected to each other with no degrees of freedom.

INDICATION	HANDLING DISC	CASING
MATERIAL INTERACTION	—	The disc indicator is placed near the disc sorter.
DATA INTERACTION	Receives the disc arrival input data and according to that motor on and off.	—
SPATIAL INTERACTION	Subsystems are connected with no degrees of freedom.	Degrees of freedom is 0. Subsystems are connected to each other with no degrees of freedom.