

CCD Vision Flow

Station: LH1100

Golden Machine	Pose1	
	Pre-dispense	Post dispense
Copy Machine	Pose1	
	Pre-dispense	Post dispense

Front Gantry			
HW Type	Item	Golden	
	Camera	LY-L500C	
	Lens	EGXD-RDTD-150-4	
	Light1	LY-CLS-RS-2BS-25-EX-M-D28	LY-

Front Gantry				
FOV	Item	Golden data	Copy data	
	Pixel accuracy	0,0086	0,0086	
	X	2448	2448	
	Y	2048	2048	
	Fov X(mm)	21,12	21,09	
	Fov Y(mm)	17,67	17,65	

Sharpness	Item	Golden data	Copy data	
	Sharpness	0,89	0,86	

Brightness	Region	Golden data	Copy data	
	R1	69	68	
	R2	68	65	
	R3	64	63	
	R4	87	86	

	Golden data	Copy data
1. Data source	Golden data is the source of truth for the organization's data. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
2. Data quality	Golden data is the most accurate and complete data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
3. Data security	Golden data is the most secure data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
4. Data governance	Golden data is the most governed data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
5. Data integration	Golden data is the most integrated data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
6. Data sharing	Golden data is the most shared data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
7. Data access	Golden data is the most accessible data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
8. Data storage	Golden data is the most stored data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
9. Data processing	Golden data is the most processed data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
10. Data analysis	Golden data is the most analyzed data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
11. Data visualization	Golden data is the most visualized data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
12. Data reporting	Golden data is the most reported data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
13. Data archiving	Golden data is the most archived data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
14. Data backup	Golden data is the most backed up data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
15. Data recovery	Golden data is the most recovered data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
16. Data deletion	Golden data is the most deleted data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
17. Data retention	Golden data is the most retained data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
18. Data compliance	Golden data is the most compliant data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
19. Data privacy	Golden data is the most private data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.
20. Data protection	Golden data is the most protected data available. It is the data that is used to create the copy data.	Copy data is a copy of the golden data. It is used for testing, development, and analytics.

Chromaticity	region	R	G	B	R	G	B	R
	R1	61	72	109	59	72	106	2
	R2	142	15	73	133	19	68	9
	R3	33	53	145	28	54	141	5
	R4	68	130	51	67	128	49	1
Imaging position	Item	Golden data			Copy data			
	X	1403			1402			
	Y	1455			1458			
	R	0			-0,60			

Vision Vendor: Luster

Copy	Remark	
LY-L500C		
EGXD-RDTD-150-4		
CLS-RS-2BS-25-EX-M-D28		
Deviation	Spec	Auxiliary tool
0,00	≤0.001	Chessboard
0,00	0	
0,00	0	
0,03	±2	
0,02	±2	
Deviation	Spec	Auxiliary tool
0,03	≤0.15	Chessboard
Deviation	Spec	Auxiliary tool
1	±20	Grayscale board
3	±20	
1	±20	
1	±20	
Deviation	Spec	Auxiliary tool

G	B	Spec	Auxiliary tool
0	3	±20	Color card
4	5	±20	
1	4	±20	
2	2	±20	
Deviation		Spec	Auxiliary tool
1		±15	Real product
3		±15	
0,60		≤1°	

--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--