Lenses MTF Sorting Machine

TURNKEY SOLUTION

Seamless integration with your existing MTF measurement machine to boost your productivity. No need to alter any of your existing equipment. It is a great add-on for your factory floor.

MAXIMUM FLEXIBILITY

Designed to work with various make of MTF measurement machine and can support up to 2 units of MTF machines simultaneously. Optional FFU can be installed to make it compatible with your clean room requirements.

QUALITY DESIGN AND DURABILITY

Robust system design with excellent ergonomics. The equipment uses only choicest parts to ensure high quality and long durability.

- Ultra-short Cycle Time to match even the fastest MTF measurement machines

- Compatible with various MTF machine makes and models

- Simultaneously handles up to 2 MTF measurement machines

- Sort samples into 4 distinct quality grades

- Intelligent software

The automated sorting system for mobile phone lenses is designed to be used in a mass production environment. It seamlessly integrates with MTF machine and sorts the lenses to different quality grades based on the MTF results. The short cycle time of 2 seconds can be achieved by an optimized operation sequence. The input and output trays besides the MTF measurement machine chamber and sorting area are organized in a way to have short travels to save valuable time. The sorting system is designed with ease of use and trays can easily be placed inside or removed from the sorting system.

With the precise gripper system, the lenses are sorted in up to four quality grades by directly utilizing the MTF measurement results from the MTF measurement machine. The lenses samples are then orderly placed in their respective trays without any intervention of an operator. This not only significantly increases the throughput but at the same time avoid any human errors or any unnecessary risks of contamination from the operator.

The Sorter is equipped with clean room FFUs that can be placed inside any cleanroom environments. It is the perfect solution to increase your production throughput while boosting a higher quality of the final product.

PINNACLE TECH
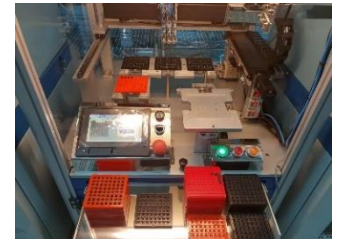
Software Features

Software GUI

- Obtain MTF testing results directly from MTF tester
- Intelligent Algorithm or fast sorting process
- Detailed information of each lens including seat position and measurement results are stored and can be traced back
- Intuitive software interface
- Open process language for fast and easy process optimization

System Specification

Model: PLM-L01N-A	
Cycle Time Per Sample	Less than 2 seconds
X/Y/Z Mechanical Travel	X=400mm, Y=500mm, Z=150mm
Compatible MTF machines	TRIOPTICS, UMA, IMT2
Motor System	Servo motor system
Sorting Quality Classes	4 types: A, B, C, NG
Power	AC 220V, 50/60Hz
Compressed Air	6 Kg/ cm^2 10L/min
Power Consumption	1.2 KW
Dimensions	650 (L) x 650 (W) x 1480 (H) mm
Weight	200 Kg

Inside Working Chamber