

i7 Opto Electronics Inc.

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Product Introduction



Strength Display

Company Profile







Company Overview

We are one of the leading manufacturer of Microscope, Application specific Optics and various laboratory and Histopathology equipments born in the year 2014. We have been in the business of manufacturing of high-tech precision microscopes with a wide range of customised Opto Mechanical assemblies along with various types of Laboratory and Histopathology Equipments for the last 8 years. Our entire product range is manufactured in state-of-the-art infrastructure with technologically advanced automated tools & machineries.

Our key success is the result of the deep understanding of our consumers, innovative designs, superior craftsmanship and innovative spirit of dedicated staff members. Our main objective is to provide quality equipment and dedicated customer service to our valuable customers.

Our prestigious Customer includes

























and many more.....

Corporate Office



Corporate Registration

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Efficient • Transparent • Inclusive



Quality Certification

Quality Certification











Plant and Machinery Details

Optical Manufacturing:

- Bothner Curve Generators & Glass-Slitting/Slicing machine
- Grinding Machines 15+ Spindles
- Polishing machines 50+ Spindles
- Flat & surfaces Maijiun, Taiwan
- SpeedFAM Double side polisher (Model: 9B-5P)
- Diamond / Rasin Automatic Numerical Control Smoothing machines
- Automatic Variable Speed Controller 2 Spindles Smoothing & Polishing Machine
- High speed Polishing machine 2 spindles (Haruchika Co. Ltd Japan)
- High speed Polishing machine 4 spindles (Nagata Group Ltd. Japan)
- High speed Polishing machine 2 spindles (SIDAI Co. Ltd Korea)
- Elliptical Polishing machine 2 spindles (SIDAI Co. Ltd Korea)
- Elliptical Polishing machine 4 spindles (SIDAI Co. Ltd Korea)
- Automatic centering & edging Machine-(Shonan Optical Machine Co. Ltd. Japan)
- SANRITSU Edging and Profile Machine (WF-6S-Auto)
- Optical Centering & Cementing Machine
- SIDAI Centering & Edging Machine
- SHOWA BOX Coater SGC-22SA-RF
- BALZER Evaporator BAK 760









Plant and Machinery Details

Mechanical Manufacturing:

- Turn+MILL Turn-'O'-Mill Center Taiwan [Rod Capacity upto 60mm with 8 Turning tool turret & 5 Radial And axial tools for Milling operation]
- CNC Turning Centrewith Mitsubishi control (Tsugami, Japanes)
- BFW VMC Milling center Indo-German [20 tool turret for milling operations]
- CNC Haas Turning Center USA [Rod Capacity of 60mm with 8 tool turret.
- CNC Headman Turning Center China [Rod Capacity of 48mm with 8 tool turret]
- Bar feeder Fenwick & Ravi India
- Rotary Table UCAM India [Holding capacity of upto 200 Kgs]
- Rotary Table Golden sun Taiwanese [Holding capacity of upto 250 Kgs]
- Cosmos Taiwanese vertical milling center with Mitsubishi electric Japanese VMC Controller
- Geedee Wheelers India
- Lathe Machines India
- Semi-automatic Milling Centers Taiwan
- Drilling & Tapping Machines
- Paint Booths with auto spray guns







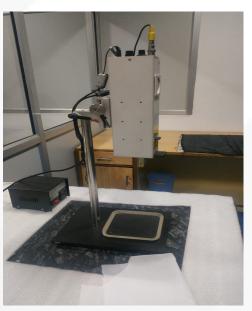
In House Design and Testing Facility

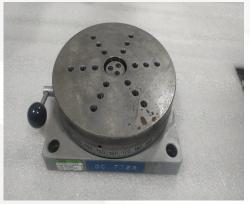
- Design Software-TF-CAL SPECTRA
- Foco Meter-to measure focal length
- Radius Measurement dial gauge
- Spherical Interferometer
- Davidson Interferometer Optronics Inc. -
- SHIMADZU-UV-Z101PC UV-VIS Scanning Spectrophotometer
- Flat Interferometer
- Centeration Station
- Scratch Dig Templates
- PEAK Instruments-for clear Aperture and scratch dig
- Digital Dimensions measuring Instruments
- Angle Dekker
- Lasany refeactive Index Measuring Instruments
- Spectrophotometer











Product Introduction

Product Verticals





Customised Opto Mechanical Assemblies





Micro Imaging **Systems**







Histopathology **Equipments**





Precision Optics



Laboratory **Equipments**





Microscope

biol ogical pathol ogical Microscope
Stereo zoom Microscope
Pol arising Microscope
Metal Lurgical Microscope
Inverted Tissue cul ture Microscope
PCB Inspection Microscope
Fluorescent Microscope
mul tiviewing Microscope
Gemol ogical Microscope
Vacuam/Dimond Inspection Microscope











Histopathology Equipment

Various types of Microtomes
Automatic Tissue Processor
Tissue Embedding Station
Bone Cutting Machine
Slide Staining Machine
Tissue Floatation Bath
Grossing Station
Paraffin Dispenser
Slide Cabinet











Customised Opto Mechanical Assembly















Lenses, Prisms and Filters



Capacity:5,00,000 Pc.s Annually

Material: Optical glass and Fused silica

Dimension Tolerance: +0/-0.1 mm

Thickness Tolerance: ± 0.05 mm

Surface Figure: $\lambda / 4 / According$ to the requirement

Surface Quality: 60-40/According to the requirement

Parallelism: < 3 minute/According to the requirement

Coating: According to the requirement



Lens Assembly

The company has always paid attention to product quality and product upgradation. We have introduced the advanced level of processing and testing equipment, for the optical design, Sample, verification, trial production, mass production, sales to provide one-stop service. Products used in electronics, security,metallurgy, textiles, food and pharmaceuticals, aerospace, medical research and other fields.











Various Other Laboratory Equipments

Laminar Airflow
Bio Safety Cabinet
Fume Hood
Autoclave
Hot Air Oven
Incubator
Centrifuge
UV Spectrophotometer
Hot Plate
Baths













Micro Imaging System

USB CMOS Camera
HDMI Camera
4K UI tra HD Camera
Industrial Vision Camera
Infytouch Tabl et
3D PCB Inspection Unit



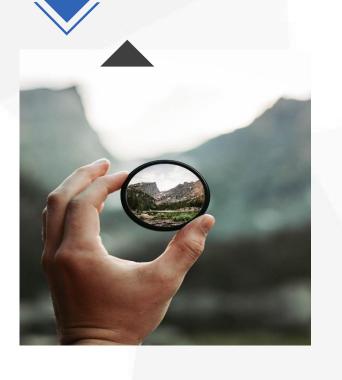








Product Display















Product Display



Product Display

















Strength Display

Our Team



Efficient

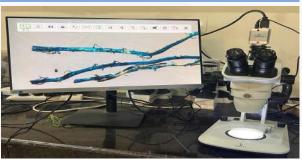


Good Quality





Professional



Our company is an Opto mechanical solution provider and optical element manufacturer with professional technicians, and has many optical designers and full-time consultant teams. Designers have many years of project practice experience, and have a deep understanding of the relevant technological processes and requirements in the fields of optical processing, mechanical processing, and optical engineering; The experts in the consulting team have more than 20 years of optical design and processing experience.

Our State of Art Infrastructure

















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(For General Enquiry)



