



Total Packaging Solution

ISCM TECHNOLOGY

ABOUT US

ISCM Technology is located in Ayutthaya with a build-up of 25000 square feet, Thailand. We are a wholly owned subsidiary of D'nonce Technology Berhad. This is a cleanroom facility set up to support the HDD industry.

We are certified ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and our Clean room certifications are ISO Class 5, ISO Class 6 and ISO Class 7

WHAT WE DO

At ISCM Technology, we provide Cleanroom & Contract Manufacturing Solutions, Cleanroom Sub-assembly and Inspection Services, Electronic Trays, Components Cleaning Services, Thermal Forming Plastic Products Manufacturing and Surgical Mask Manufacturing.

OUR PRODUCTS AND SOLUTIONS



HDD SHIPPING TRAY



WAFER SHIPPING TRAY



LED SHIPPING TRAY



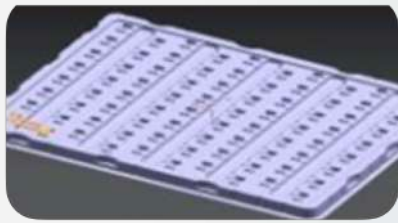
FIBER OPTIC SHIPPING TRAY



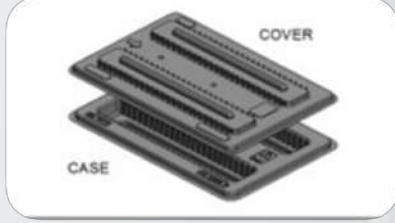
PCB & PCBA TRAYS



AEROSPACE PART TRAY



STAMPING PARTS SHIPPING TRAYS



GLASS/ LENS SHIPPING TRAY



AUTOMOTIVE TRAY



PCBA TRAY



WAFER SHIPPING TRAY



FIBER OPTICS TRAY



FOOD TRAY



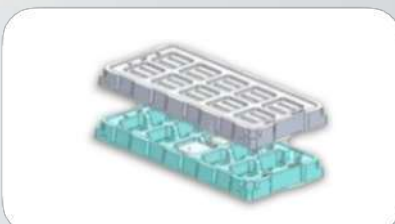
TUBE TRAY



SSD SHIPPING TRAY



CAUTERY TIP PACKAGING



MEDICAL SENSOR TRAY



SURGICAL MASK

CLEANROOM FACILITIES

CLEANROOM & CONTRACT MANUFACTURING SOLUTIONS

Our facility is equipped with ISO Class 5/Class 100, ISO Class 6/Class1K and ISO Class 7/Class10K Cleanrooms to provide sub-assemblies and inspection services for our customers in the electronics industry as well as precision components and tray cleaning services to our customers from the Hard Disk Drive (HDD) industry.

We are able to provide a complete turnaround service for all trays, both prime and recycled from collection, sorting, removal of labels to inventory management. The trays are washed to meet stringent requirements and are low in particulate contamination. The trays are packed in Cleanroom environment which ensures compliance to contamination control. Our Cleanrooms also comply with the standards for wafer / substrate tray cleaning.



**CLASS 100 WITH
100% ULPA FILTER**



**CLASS 100 WITH
60CM RAISED FLOOR
FOR VMI & PACK**



**MACHINES IN CLASS
1K CLEAN ROOM**



**PARTS LOADING IN
CLASS 10K**



**HAND WASH &
DRYING OF GLOVES
BEFORE ENTERING
CLEANROOM**



**BUILT-IN-FFU WITH
FILTER FOR JUMP-
SUIT HANGING**



**USE ONLY APPROVED
NITRILE GLOVES**



**PASS BOX WITH AIR
SHOWERS 3 SIDES
FOR PARTS & FG**

CLEANROOM SUB-ASSEMBLY AND INSPECTION SERVICES

Sub-assembly and inspection services for customers in the electronics companies that require Cleanroom facilities suitable for hard disk drive, imaging, acoustic, medical devices component assembly.

Our expert services provide reliable products with a sound knowledge of the world class markets and quality requirements. We fully understand our customers need in respect of accuracy and quality. We act quickly and completely confidence to solve unforeseen problems on the basis of validated information. We help you to assess the different alternatives, and to select the best solution.



ELECTRONIC TRAYS AND COMPONENTS CLEANING SERVICES

A cleanroom specialized for precision aqueous cleaning system to clean components and trays using deionized water. Suitable for hard disk drive and semiconductor industries.

We are able to support our customers from collection, sorting, removal of labels to inventory management. The trays are cleaned to meet stringent requirements and are low in particulate contamination. The trays are packed in cleanroom environment which ensures compliance to contamination control.



AQUEOUS CLEANING MACHINE



PARTS LOADING



AQUEOUS CLEANING PROCESS

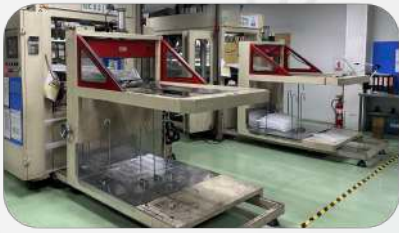


OUR CLEANROOMS HAVE THE FOLLOWING FEATURES:-

- ISO Class 5/Class 100 cleanroom with 100% Fan Filter Units (FFU) and Ultra Low Penetration Air (ULPA) filters.
- ISO Class 5/Class 100 cleanroom with 60 cm raised floor for Final VMI and packing.
- Part loading in ISO Class 7/Class 10K cleanroom while machines are in ISO Class 6/Class 1k cleanroom
- Fully automated ultrasonic cleaning system and spray cleaning system which cleans and dries the components and parts.
- Centralize air conditioning system
- Air velocity: 60 – 120 feet per minute (FPM) or 0.3 – 0.6 m/s
- Conductive tiles 10E5 – 10E6
- Conductive grid type ESD safe garment
- Temperature: 20 – 24oC (68 – 75oF)
- Humidity of 40 – 70% RH (relative humidity)
- ESD (electrostatic discharge) chairs
- Conductive grid type ESD safe garment
- Air ionizers at critical stations

THERMAL FORMING PLASTIC PRODUCTS

Manufacturing of Thermal Forming plastic products for the Electronics, Automotive, Medical and Food Packaging involving the normal, antistatic and conductive materials. We carry out an integrated process from design, prototype & first article testing, mass production, and quality assurance for our products. This allows us to provide products quickly that are overwhelmingly competitive in terms of quality and cost.



THERMOFORMING MACHINE



THERMOFORMING PROCESS



CUTTING PROCESS



RAW MATERIAL LOADING



FRONT END OF THERMOFORMING MACHINE



BACK END OF THERMOFORMING MACHINE



STAMPING INTO INDIVIDUAL CAVITY



TRAY FINISHED PRODUCT



FIBER OPTIC SHIPPING TRAY

SURGICAL MASK MANUFACTURING

Fully automatic machines function as completing the entire operation in a single go. The raw materials are the 3 layers of polypropylene spun bond nonwoven fabric, the nose bar. The process starts with feeding the fabrics and placing them on top of each other. This is followed by folding in the middle which allows for expansion of the mask. Along the way, the nose bar is placed. After this, the layers are passed through ultrasonic welding machines that weld along the borders and over the nose bar to keep it sealed. This provides a finished border and more efficient bacterial filtration. Along the process, the masks are individually cut according to the size required.

After this, the masks are collected and passed through ear loop welding attachment to give a complete face mask. The average production capacity of the machine can range up to 50 mask per minute with a human capital of at most 4 people.



3 PLY FOLDING



BOTH ENDS ULTRASONIC WELDING



CUTTING



EAR LOOP ULTRASONIC WELDING