



■ ■ Online Catalogue ■ ■

i-tek

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I-TEK PTE LTD ONLINE CATALOGUE

About Us

I-Tek Private Limited is founded by a group of young entrepreneurs who were keen to strike out on their own in the highly competitive electronic supplies industry.

Noting the intense competition, I-Tek intends to position and brand itself as a premier production and supplies company with good quality products and reliable equipment. I-Tek has set its focus on three main areas:

- Original-equipment-manufacturing (OEM) and assembly of small equipment for regional and international brand names.
- Producing I-Tek's own house brands of electronic consumables to compete with low-cost production in the region.
- Procure the best quality products at the lowest price for our clientele.

These were made possible with strategic partnerships with finger cots manufacturing plant, and components production companies.

By end 2005, I-Tek aims to increase our products range to include manufacturing of the spray fluxers and Wrist strap electronic monitoring system (EMS) for electronic assembly plants. These products are expected to meet the large demands in American, Chinese and European markets.

I-Tek's expansion plans in the pipeline include joint-ventures in South East Asia and China. The joint-ventures will widen I-Tek's communication with electronic industries, thus increasing our understanding and allowing swift response to the industries' requirement. The joint-ventures in China will allow sharing of resources for R&D of new equipment, making the best use of their high quality engineers and low development cost.

I-Tek Cleanroom/ ESD Apparrels
Cleanroom / ESD Garments

I-Tek carries a wide range of coveralls and smocks for use in both peripheral areas and cleanrooms.



Cleanroom / ESD Garments are made from ESD fabrics, available in assorted colours as well as various lengths and sizes. These fabrics are made from 100% polyester continuous filament yarns with electrical conductive fibres interwoven in striped or checked pattern at regular intervals. This close weave static dissipative grid are designed and engineered to exceed cleanroom and ESD requirements and therefore, provides excellent conductivity across the garment from sleeve to sleeve.

The garments are durable with excellent washability, comfortable with superior ventilation and perspiration absorption. Stylish and well cut, these garments will make your operators and your work environment look good for many years.



Bouffant Caps/ Mob Caps

Bouffant and Mob caps are worn to prevent contamination from shed hairs in a controlled environment. They are manufactured and packaged in a clean environment. These caps are made of 100% Non-woven spunbond polypropylene fabric.



Sizes Available: 19" & 21"
Colours Available : White, Blue, Green, Pink,
Yellow

Footwear : Booties



IO-M380



IO-M381



IO-M382



IO-M360

Footwear: ESD Shoes and Slippers

1. Slippers



IO-M410



IO-M412



Conductive Slippers



Static Control Soles

2. Conductive Clean Shoes



IO-M324



IO-M325



IO-M326

3. Static Dissipative Clean Shoes



IO-M311



IO-M312



IO-M314

4. PU Static Dissipative Clean Shoes



IO-M370



IO-M374



IO-M378

Disposable Shoe Covers



Shoe covers are worn over outdoor shoes to prevent particles and dirt from contaminating a controlled environment.

2 types of shoe covers are available: Chlorinated Polyethylene (CPE) and Non-woven.

The standard size is 15cm x 36cm.

I-Tek ESD Stationery



ESD Badge Holders/ Pouch

These are used by personnel working in close contact with sensitive devices or products to display personal identification badges or to contain documents.

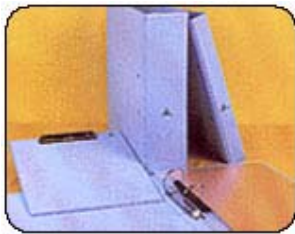
The Badge Holders/ Pouches are made of clear static dissipative polymer which provides permanent static dissipative properties (Surface Resistivity 1×10^{10}). These badge holders/ pouch in various standard sizes.



ESD Document Holders

ESD document holders are used to contain documents (such as process charts, etc) used in sensitive environments.

They are made of clear static dissipative polymer which provides permanent static dissipative properties (Surface Resistivity 1×10^{10}). They are available in standard A3, A4 and A5 sizes.



ESD Ring Files

ESD ring files are used to contain documents used in ESD environment. The file covers are dissipative PVC with a surface resistivity 1×10^{10} .

The Ring Files are available only in the light blue colour. They are available in 1, 2 and 3-inch file sizes, with either 2 rings or 3 rings.



Sharpie Pens

These pens are available in Black, Blue and Red colours.

I-Tek Gloves

At I-Tek, we offer a wide range of gloves to our customers because we understand that each customer has their own unique set of needs and requirements.

Class 100 Cleanroom Gloves

Both the Class 100 Cleanroom Latex and Nitrile Gloves are processed and finished in certified Class 10 cleanroom facility. The gloves are powder free and also free from silicone oil, amide, DOP and waxes, and have an ultra low ionic extractable and particle count. In addition, the Nitrile Gloves have inherent ESD properties and is protein free.

These gloves are suitable for aerospace, pharmaceutical manufacturing, electronic manufacturing, opto-electronic, bio-technology, GMR/MR drives manufacturing, wafer fabrication and in all Class 10/ 100 cleanroom applications where contamination control is critical.

Both types of gloves are available in lengths of either 9 inches or 12 inches, with S, M and L sizes.



Class 100 Latex Gloves



Class 100 Nitrile Gloves

Part Numbers:

	Small	Medium	Large
Class 100 Latex Gloves, 9 inch length	CRL100-9S	CRL100-9M	CRL100-9L
Class 100 Latex Gloves, 12 inch length	CRL100-12S	CRL100-12M	CRL100-12L
Class 100 Nitrile Gloves, 9 inch length	CRN100-9S	CRN100-9M	CRN100-9L
Class 100 Nitrile Gloves, 12 inch length	CRN100-12S	CRN100-12M	CRN100-12L

ESD Lint-Free Gloves



Normal



With Cuffs



With PVC Dots



With PVC Coating

These ESD Gloves are made from high quality material and have excellent workmanship. They are suitable for normal or less stringent controlled environment. They also come in special coatings on the palm of the glove to provide better grip while wearing them.

Top/ Palm Fit Gloves



Top Fit



Palm Fit (Normal)



Palm Fit (Grey)



Conductive Palm Fit

Top Fit Gloves are made from 100% nylon are coated with polyurethane on the fingertips. Palm Fit Gloves are made from 100% nylon with polyurethane coating on the palm. The polyurethane coating on the gloves provides an anti-slip and anti-cut surface.

I-Tek Precision Fluid Dispenser



FD-30A

The FD-30A is an economical, high quality dispensing system for dispensing fluids and pastes of all viscosities from syringes. It is most suited for manual production line and is intended for dispensing in either dots, drops or beads.

This dispensing system is also equipped with vacuum suck-back control to prevent dripping during idle time. It has both manual and timer control.

Specifications:

- Adjustable pressure regulator from 0.2 to 7 bar (3 to 100 PSI)
- Timer range from 0.01 to 30.00 seconds
- Time and continuous mode
- Vacuum suck-back control to prevent dripping during idle time

Technical Specifications:

Power supply	: 100/120/220VAC 50/60Hz
Internal Voltage	: 24VDC
Air Input	: 35 - 100 PSI (2.5 - 6.9bar)
Air Output	: 1 - 100 PSI (0.1 - 6.9 bar)
Timer Board	: Programmable: 0.01-1 sec, 0.1-10 sec, 0.2-20 sec, 0.3-30 sec, Preset to 0.01 - 1 sec.
Dimensions	: 235mm (W) x 215mm (H) x 64mm (D)
Weight	: 1.80kg

I-Tek Solvent Dispensers

Product Models:

Regular Dispensers: SD120R, SD180R, SD240R

Anti-Splash Dispensers: SD120AS, SD180AS, SD240AS



I-Tek Regular Solvent Dispenser



I-Tek Anti-Splash Solvent Dispenser

The XDC10A is a Zoom Inspection Scope which provide high quality colour image when works together with CCD I-Tek soft-touch solvent pump dispenser is designed for a clean and easy one-hand operation. The dispenser has an attached hinged lid to keep out impurities when the container is not in use. The dish-shaped reservoir holds and contains dispensed solvent. The entire pump system is made of stainless steel which can withstand the use of aggressive solvents.

Both the regular and anti-splash dispensers have the same unique pump head design which consists of a precision valve system. This system reduces evaporation while preventing spills and contaminants from entering the container. A celon band seal in the pump system further ensures that the solvent in the container will not be contaminated.

The anti-splash dispenser has a different and unique delivery system, consisting of release ducts angled at 30° angle from the horizontal. This design prevents the solvent from splashing upwards if too much force were applied during dispensing. The release ducts drain the solvent safely into the dish reservoir.

Specifications:

Part Number	: SD120R, SD180R, SD240R for Regular pump head SD120AS, SD180AS, SD240AS, for Anti-splash pump head
Material of Bottle	: HDPE mixed with anti-static compound
Material of Mechanical Pump	: Stainless Steel
Surface resistance	: 10(power 9) - 10(power 11)
Hazardous Material	: None
Odour	: None
Capacity	: 120ml, 180ml, 240ml
Weight	: 76 gram for regular, 83grams for anti-splash
Colour of container	: Pink or Blue
Packing	: 10 pieces per box/ 150 pieces per carton
Carton Box Dimensions	: 57cm(L) x 28.5cm (W) x 34cm (H)

I-Tek Flux Dispensing Bottles

1. Needle Flux Dispensing Bottles



I-Tek flux dispensing bottles offer a convenient way to dispense specific amount of liquids precisely where it is needed without dripping, spilling or waste.

The squeeze bottles dispense one drop of liquid resin, flux or other solvents through stainless steel needles. The static dissipative bottles come in standard 2 ounce sizes and have a 1 inch disposable stainless steel blunt need. These bottles can be used in static sensitive environments.

Product Models:

Part Number	Description
FB16	ESD Flux Bottle, 16 gauge needle
FB26	ESD Flux Bottle, 26 gauge needle

2. Angle Flux Bottles

This static dissipative bottles come in standard 8 ounce sizes.

Soldering Equipment



FUJI SMD Rework Station 850D

Features

- ESD Safe
- Automatic cooling system protect heating element and handle when power off. Wide range of Temperature and Flow Rate adjustment.
- Element, Diaphragm and Nozzle are compatible to many International brand.

Specifications

Station	
Pump	Diaphragm Type
Power	20W
Flow Capacity	241/min
Dimension	187 x 135 x 245 mm
Weight	4Kg

Specifications

Iron	
Power	250W
Temperature Range	100 - 420 deg C
Dimension	196mm
Weight	120g



FUJI Soldering Station 936

Features

- Ceramic heating element to ensure fast heat-up and recovery.
- Compact unit with ergonomic slim handle for easy grasp.
- Easy temperature setting with +/- 3% accuracy.
- ESD model is available

Specifications

Power	60W
Output Voltage	24V
Temperature Range	200 - 480
Heating Element	Ceramic Heater
Tip to Ground Resistance	Under 20
Tip to Ground Potential	Under 2mV



FUJI Soldering Station 937

Features

- Digital indication for accurate setting of temperature
- Setting of temperature is control by key card for better temperature management
- Compact unit with ergonomic slim handle for easy grasp.
- Easy temperature setting with +/- 1 deg Celsius.

Specifications

Power	60W
Output Voltage	24V
Temperature Range	200 - 480
Heating Element	Ceramic Heater
Tip to Ground Resistance	Under 20
Tip to Ground Potential	Under 2mV
Power (Iron)	50W
Weight	1.4kg
Dimension	170 x 120 x 93 mm

Microscope



Zoom Inspection Scope

Product Model: XDC10A

The XDC10A is a Zoom Inspection Scope which provide high quality colour image when works together with CCD Camera and colour Television or LCD Monitor.

It is widely used by many industries for precision parts inspection especially in the Electronic Industry where it is useful for surface inspection of components on PCBA.

The magnification is depending on the combination of objective lens, auxiliary lens and size of LCD Monitor or Television screen.

Standard Specifications

Objective Lens	: 0.7X to 4.5X
Auxiliary Lens	: 0.5X
Working Distance	: 95mm
Traveling Height	: 250mm
Weight	: 6kg

Complete unit consists of:

- 1set working base with pole
- 1pc 220V Fluorescent Illuminator
- 1unit 1/3" CCD Camera
- 1unit Inspection Scope 0.7X to 4.5X
- 1pcs 0.5X Auxiliary Len

Specifications

Auxiliary Lens	CCD Camera Eyepiece Magnification						Working Distance (mm)
	0.5X	0.75X	1X	1.5X	2X		
0.35X							
0.5X	0.12 to 0.79X	0.18 to 1.13X	0.26 to 1.69X	0.35 to 2.25X	0.53 to 3.38X	0.70 to 4.50X	155
0.75X	0.18 to 1.18X	0.26 to 1.69X	0.39 to 2.53X	0.53 to 3.38X	0.79 to 5.06X	1.05 to 6.75X	100
None	0.25 to 1.58X	0.35 to 2.25X	0.53 to 3.38X	0.70 to 4.50X	1.05 to 6.75X	1.40 to 9.00X	96
1.5X	0.37 to 2.36X	0.52 to 3.38X	0.78 to 5.06X	1.06 to 6.76X	1.58 to 10.1X	2.10 to 13.5X	45
2X	0.49 to 3.15X	0.70 to 4.50X	1.05 to 6.75X	1.40 to 9.00X	2.10 to 13.5X	2.80 to 18.0X	30

Numerical Magnification:

CCD Camera Specifications	TV/LCD Monitor Specifications				
14"	15"	21"	25"	29"	
1/3"	59.2X	63.5X	88.5X	105.8X	122.8X

Optional Eyepieces available:

0.5X, 0.75X and 1.5X

Optional Auxiliary Lens available:

0.5X and 1.5X

Dual Magnification Microscope

XTJ 4600 / 4900 Series Dual Magnification Microscope



XTJ 4613

Specification:

Model	XTJ-4600 Series			XTJ-4900 Series		
	XTJ-4612	XTJ-4613	XTJ-4624	XTJ-4912	XTJ-4913	XTJ-4924
Magnification	10X, 20X	10X, 30X	20X, 40X	10X, 20X	10X, 30X	20X, 40X
Objective Lenses	1X, 2X	1x, 3X	2X, 4X	1X, 2X	1X, 3X	2X, 4X
Eyepiece	Wide Field 10X			Wide Field 10X		
Body	45° viewing, 360° rotary Binocular body			45° viewing, 360° rotary Binocular body		
Working Distance	110mm	102mm	90mm	110mm	102mm	90mm
Stage Plate	Frosted Glass (Ø95mm)			Frosted Glass (Ø95mm)		
Interpupillary Distance	55mm – 75mm			55mm – 75mm		
Base	155mm x 180mm			155mm x 160mm		
Net Weight	3.8kg			4.2kg		

Zoom Stereo Scope

XTL 2500 / 2600 Series Stereo Zoom Microscope



XTLA 2500



XTLA 2600

Specification:

Model	XTL-2600	XTL-2500
Magnification	7X to 45X	7X to 45X
Objective Lenses	0.7X to 4.5X	0.7X to 4.5X
Eyepiece	Wide Field 10X	Wide Field 10X
Body	45° viewing, 360° rotary Binocular body	45° viewing, 360° rotary Binocular body
Working Distance	95mm	95mm
Stage Plate	Frosted Glass (Ø95mm)	Frosted Glass (Ø95mm)
Interpupillary Distance	55mm – 75mm	55mm – 75mm
Base	155mm x 180mm	155mm x 160mm
Net Weight	3.8kg	4.2kg

Table Top Magnifying Lamp



QF - N5 - N8

Specification:

Magnification	: 5x(QF-N5) or 8x(QF-N8)
Input voltage	: AC 220V or 110V
Illumination	: 22W circular fluorescent lamp

Clamp Magnifying Lamp



Optex 228

Specification:

Magnification	: 5x(QF-N5) or 8x(QF-N8)
Input voltage	: AC 220V or 110V
Illumination	: 22W circular fluorescent lamp

ESD Chair



DSS-303-HMC

Standard Specifications

Stainless steel perforated
Stool c/w hydraulic adjust
Star ring leg & metal castor
Size: 19" - 23" H



DSS-305-STMC

Standard Specifications

Stainless steel solid
Stool c/w hydraulic adjust
Star ring leg & ESD castor
Size: 19" - 23" H



DSS-306-STBR

Standard Specifications

Stainless steel solid stool
With back rest c/w star ring leg
Hydraulic adjust & ESD castor
Size: 19" - 23"



DSS-308-CSTMC

Standard Specifications

Stainless steel chair c/w
Star ring leg
Hydraulic Adjust & metal castor
Size: 19" - 23" H



DSL-309-ESDMC

Standard Specifications

ESD conductive material
Chair c/w star ring leg
Single level & ESD castor
Size: 19" - 23"



DDL-310-ESDBC

Standard Specifications

ESD conductive material
Chair c/w double level (F-Type)
Star leg & ESD castor
Size: 19" - 23"



DSL-311-ESDBC

Standard Specifications

ESD Conductive material
Stool c/w star leg
Hydraulic adjust & ESD castor
Size: 19" - 23"



DDL-312-ESDBC-HB

Standard Specifications

ESD conductive material
Chair c/w double lever
Star ring leg & ESD castor
Size: 19" - 23"



DEC-315-NCSL-HB

Standard Specifications

ESD conductive material
Chair c/w black single lever
Black hydraulic adjust, star leg & normal castor
Size: 19" - 23"

Hunter Micro-Metallizer Pens



This new, low cost system has been developed specifically to provide a simple and convenient electro-plating capability for such applications as scientific and engineering development, dental work, special art-work, and restoration.

Completely self-contained and portable it is equally useful in lab, office or shop. Utilizing special disposable cartridge pens, this system permits an instantaneous selection from a wide variety of plating possibilities without the necessity for expending time, effort and expense in preparing special plating solution. Above all, it is simple to use with no special skill required!

A complete selection of pens is available for a wide variety of plating requirements. Power can be supplied by your own variable D.C. supply capable of supplying up to 12 volts, at 0.1 amp or our variable voltage power supply.

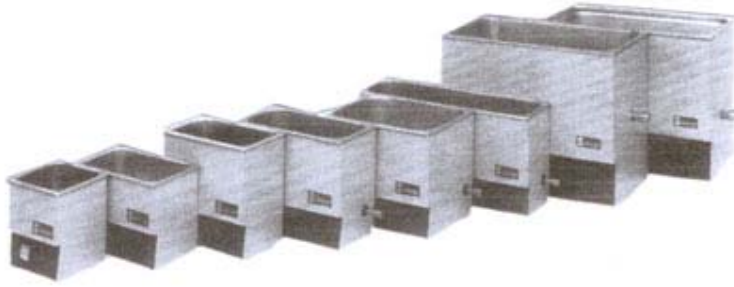
Applications

Electronics

- Repair of PC boards
- Repair of contact fingers
- Repair of microwave components
- Experimental work on contact surfaces

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Altek Solid State Ultrasonic Cleaner



Designed to quickly and safety remove oil, tar, agar, food, oxide, ink, blood, etc.

From glassware, surgical and dental instruments, electronic components, precision parts and many other items hard to clean.

Standard Features:

- Compact One Piece Construction
- Stainless Steel Cleaning Chamber
- Simple To Operate
- Solid State Modules

Input:

220/230Volts, 50-60Hz, single phase.
25Amps per each 50 Watts output 200/240volts
Heater doubles amperage requirement.

Construction: One piece compact assembly.

- Stainless steel round cornered tank.
- Outlet drain on AT-152 and larger units.
- Upper cabinet – steel painted.
- Lower cabinet – aluminium, painted.

Options:

- Timer 0-30minutes
- Heater-Illuminated push button On/Off switch
- Thermostat pre-set at 140 degree F
- For Dgital Timer and Heat add DAT

Specifications: Dimensions (Left to right, front to back, top to bottom)

MODELS	AT-52	AT-100	AT-120	AT -152	AT -220	AT -320	AT -420
Add Timer	AT-52T	AT-100T	AT-120T	AT -152T	AT -220T	AT -320T	AT -420T
Heat/Timer	AT-52TH	AT-100TH	AT-120TH	AT -152TH	AT -220TH	AT -320TH	AT -420TH
Capacity	2 Liters	3 Liters	4Liters	6 Liters	10 Liters	15 Liters	20 Liters
Watts	50	100	100	150	200	300	450
Tank I.D"	5.5x5x4	9x5x4	9x5x6	11x5x6	11x9x6	12X11X6	19x11x6
Tank O.D"	7x6x9	11x7x9	11x7x11	13x7x11	13x11x11	14X13X15	21x13x15

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Accessories:

Cover	C-52	C-100	C-100	C-152	C-220	AT -420	C-420
Basket	B-52	B-100	B-120	B-152	B-220	AT -420T	B-420
Insert Tray	IT-52	IT-100	IT-120	IT-152	IT-220	AT -420TH	IT-420