



Gaurab Majumdar
Executive Director
IPC

Message from Executive Director

Dear Member,

IPC India is part of IPC, the Global Trade Association established in 1957 at USA representing all facets of the electronics manufacturing industry as members from 70+ countries. IPC is incorporated in India during 2010 as regional office & currently serving members in India, South Asia & Middle East Africa and is the leading source for industry standards, certification, skill training, global market report and providing networking platform for Indian, regional & global members.

Our mission at IPC has been to help the electronics industry to Build Electronics Better. We help SMEs, large & government organizations to achieve high-quality end product in the manufacturing process, maintain a competitive position and build capability in export market & supply chain.

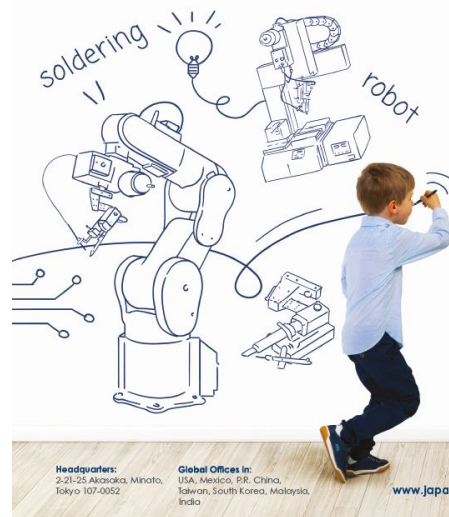
As part of our ongoing commitment to support members in the region, "Events & Communication" Department of IPC India Regional Office is constantly developing "Monthly Newsletter" to share valuable information & knowledge. We request your feedback and inputs.

Thank you very much for your support.



Care for tomorrow

Always master soldering, with cutting-edge solutions from Japan Unix – today, tomorrow, and under any circumstances.



Headquarters:
2-21-25 Akasaka, Minato,
Tokyo 107-0052

Global Offices in:
USA, Mexico, P.R. China,
Taiwan, South Korea, Malaysia,
India

www.japanunix.com

QUALITY FLEX PCB

Customisable PCB
designs tailored to you



Get in Touch

India: +91 44 4354 2102
Hong Kong: +852 2335 9916
info@prodigyelectronics.com
www.prodigyelectronics.com
India – Hong Kong – China – USA

UP-TO 12 LAYERS

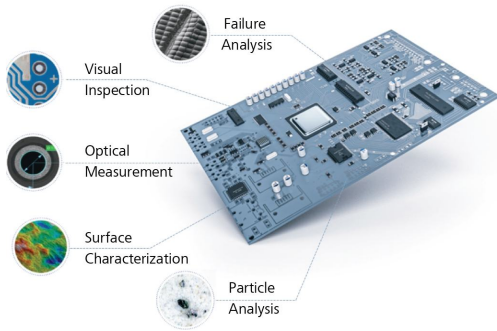
MAX SIZE 250×450MM

MIN SIZE 10×15MM

PCB THICKNESS 0.05–0.75MM

LINE WIDTH/SPACE: 1.8MIL

**ZEISS offers a wide range of solutions for
Quality in**
Electronics Manufacturing



Coordinate Measuring Machine



Scanning Electron Microscope



X-Ray Microscopy



Optical Measuring Machine

Carl Zeiss India (Bangalore) Pvt Ltd | info.metrology.in@zeiss.com | +91 80 4343 8102

JBC
The Soldering Co.



B·IRON

Join the soldering revolution



STATIC SYSTEMS
TOTAL SOLUTION FOR ELECTRONIC INDUSTRIES

Total Solution For Electronic Industries

An ISO 9001 : 2015 Certified Company

www.staticsystem.com



+91- 98809 55473 / +91-804128 5756

support@staticsystem.com

No.8, 11th Main Road, 3rd Phase, Peenya
Industrial Area, Near Old Sonal Garments,
Bengaluru - 560 058.



IPC India: From Hand Soldering to Soldering Robot manufacturing, please share the journey of transformation of Japan Unix?

Japan Unix: Japan Unix was founded in 1974 with patented technology acquired through the manufacturing of soldering iron tips and ultra-fine heaters with built-in CA sensors. During a visit to the U.S. market, the founder was impressed by the development of robotics and automation, and began to develop a soldering robot. In the late 1970s, the company introduced the world's first soldering robot. Subsequently, with the growth of the Japanese electronics market, the shift to electronics in automobiles, and the expansion of the global market, Japan Unix's soldering robots were widely accepted by many companies and markets and on a global scale. The development of digital technology, such as smartphones, has led to the establishment of laser soldering technology, which enables non-contact, point-to-point heating, and has become one of Japan Unix's signature technologies.

IPC India: Why do customers choose Japan Unix?

Japan Unix: Many customers have chosen Japan Unix because they are attracted by our accumulated knowledge in soldering and robotic automation, our high process control capability, which is especially required in the automotive and other industries, and our after-sales support to ensure that customers' mass production never stops. In particular, the mass production experience of soldering robots accumulated over the past 50 years has been built on the basis of differentiated products and data-driven logic. While superior products are important, our customers choose us because of our peripheral services and specialized knowledge that enable them to use these products and realize stable product manufacturing.

IPC India: Please tell us about your operations in South Asia, particularly Malaysia & India?

Japan Unix: Japan Unix opened offices in Penang, Malaysia in 2006 and in Gurgaon, India in 2022. The Southeast Asian market has been one of the most important markets for us since the 1990s with the entry of Japanese consumer electronics and automotive manufacturers. In the past, most customers were local factories of Japanese companies, but this trend has changed dramatically over the past decades. In recent years, many European and U.S. companies have entered the Malaysian market, and there has been an increase in the number of cases where projects are carried out in the U.S. or Europe and factories are established in Malaysia. In India, many global companies are entering the market, attracted by the size of the market. We are also doing business not only with Japanese companies, but also with many international companies. In India, we expect not only the establishment of conventional production lines, but also the development of next-generation smart factories through IT and digitalization, which is India's strength. For this reason, we are promoting communication between production facilities, visualization of production processes, and data visualization, such as IPC CFX, which has been well received by many of our customers.

IPC India: How are technology trends changing the industry with highlights on laser soldering – your perspective?

Japan Unix: Laser soldering is a relatively new soldering method with mass production experience, but Japan Unix has more than 20 years of experience with this method. So far, it has been widely used in automotive applications that require high repeatability, such as soldering on narrow substrates like smartphones. Until now, soldering has been done one point at a time, but the cutting-edge of laser soldering technology, which can solder multiple points simultaneously, has attracted attention due to the demand for even higher speed and better productivity. By utilizing the soldering know-how and process management methods accumulated over the past 20 years with using lasers as a heat source, “area laser” like spot-reflow technology is being adopted as a new soldering method to replace conventional flow or selective soldering equipment. In addition, laser soldering systems consume much less electricity and material resources than large soldering systems. We believe that laser soldering has attracted more attention from a sustainability perspective in recent years, because of its environmental efficiency. We are confident that laser soldering will continue to develop along with AI innovation and the development of electric vehicle technology.

IPC India: Japan Unix association with IPC", share your story?

Japan Unix: Japan Unix has been IPC's distributor in Japan since 2015, translating and distributing standards documents and conducting IPC training. IPC has been around for about 60 years, specializing in soldering quality and standardization in electronics. Japan Unix, on the other hand, has a 50-year track record of improving soldering processes. Together, the two companies have more than 100 years of history and experience to offer customers for build electronics better. For example, IPC has several acceptable standards for through-hole filling in soldering, but there is no clear statement on how to meet the standards. Japan Unix offers advice on how to improve the process to 75 percent of the 50 percent fill based on experience and suggests with robotic soldering perspectives. IPC standards are very important to the services that Japan Unix provides daily, including the IPC CFX, J-STD, or like IPC-9111 for troubleshooting for printed board assembly processes.

IPC India: Vision for the future of our business

Japan Unix: The development of AI and mobility will require advanced technologies and the manufacture of products that incorporate these technologies. In addition, there will no longer be a single country market, but a global market, and products will be manufactured in different continents and countries. Japan Unix will continue to develop and improve its products and soldering robots, but it will also need to develop and incorporate additional technologies to meet the advanced demands of its customers. For example, more flexible and smoother communication between devices, digitization of the soldering process, and AI-based inspection system for failure detection. In addition, since Japan Unix users are located all over the world, we plan to strengthen our support and locations to provide timely after-sales support and consulting services

Mr. Hirofumi Kono
President
Japan Unix



Upcoming Events



TECHNICAL SESSION

HAND SOLDERING

Monday
May
27
2024

Riyadh
Saudi Arabia

8:30 AM – 5:30 PM



TECHNICAL SESSION

HAND SOLDERING

Wednesday
May
29
2024

Abu Dhabi
UAE

8:30 AM – 5:30 PM



TECHNICAL SESSION

HAND SOLDERING

Saturday
June
01
2024

Dubai
UAE

8:30 AM – 5:30 PM



TECHNICAL SESSION

HAND SOLDERING

Tuesday
June
11
2024

Kochi
kerala

8:30 AM – 5:30 PM



TECHNICAL
SESSION

HAND SOLDERING



Thursday
June
13
2024

Trivandrum
Kerala

8:30 AM – 5:30 PM



TECHNICAL
SESSION

HAND SOLDERING



Monday
June
17
2024

Vizag
Andhra Pradesh

8:30 AM – 5:30 PM



HAND SOLDERING
COMPETITION – 2024
@INDIA REGION

Supported by



Bengaluru
June 27, 28

For more information please visit:

www.ipc.org/ipc-india-Hand-Soldering-Competition-2024

Register Now >>

IPC Skill Training/Certification

May



June



Past Events



Goa - March 5

TECHNICAL SESSION - HAND SOLDERING

Electronics manufacturing in Goa is growing & IPC for the 1st time organized industry networking event & technical session on hand soldering. We would like to thank IPC instructor Anuradha Deshpande; Siemens (Goa) for hosting the event; Japan Unix Co.,Ltd. OFFICIAL and Prodigy Electronics for sponsoring the session and Static Systems Electronics Pvt. Ltd. for providing all tools, equipment & handsoldering stations. On request from goa companies, IPC INDIA will be soon organizing training program on IPC J-STD-001 (Requirements for Soldered Electrical and Electronic Assemblies).



Hosur - March 15

TECHNICAL SESSION

For the 1st time IPC organized technical session on "Best practice on PCB Manufacturing & Electronics Assembly" at Hosur Tamilnadu with support from Hosur Industries Association. Professionals involved with Electronics manufacturing & PCB Manufacturing participated in the event. Thanks to Japan Unix Co.,Ltd. Official, ZEISS Group & Advance Tech Services Pvt Ltd for support.



International EV show – IPC participation

EFY SHOW

The IPC India Region participated in the India International EV Show, engaged with attendees to disseminate knowledge on IPC Automotive, Standards initiatives.



Chennai - April 5

HAND SOLDERING COMPETITION

On April 5, the first IPC Hand Soldering competition of the season in the India Region was hosted at The Southern India Chamber of Commerce and Industry Chennai.

Over 30+ participants competed in this skill competition.

Aruna Ananth from Siemens Ltd. emerged as the winner, with Serma Kani from Avalon Technologies Limited as the runner-up.



Gandhi Nagar – April 16

TECHNICAL SESSION

With support from JBC Soldering Tools, Advance Tech Services Pvt. Ltd. & Japan Unix Co.,Ltd. OFFICIAL, IPC Hand Soldering technical session was organized for Electronics Industries of Gujarat at Gandhinagar.

The session helped to enhance skills for technicians involved with Electronics manufacturing.



Membership January – February



		
		Maytech Systems
		 NMTRONICS INDIA PVT. LTD. [100% Subsidiary of Sojitz Corporation - Japan]



East West



PARKER
overseas

interface



Adtech



Sensortech



SAVE 50%

On Your First-Time
First Year's Membership

IPC MEMBERSHIP Drive Quality, Reliability & Consistency



Ministry of Electronics &
Information Technology
Government of India



Presents

3rd Edition



Integrated Electronics
Manufacturing & Interconnections

Registration Open



2024 JULY 30
BENGALURU, INDIA

1000+
Delegates

10+
Activities

📍 Hotel Taj Yeshwantpur, Bengaluru, India | 🌐 www.ipc.org/ipc-india-iemi | ✉ manvikapoor@ipc.org

IEMI SUPPORTERS – 2024

 <p>IACC INDO-AMERICAN CHAMBER OF COMMERCE</p>	 <p>MATRADE</p>	 <p>SAEINDIA Society of Automotive Engineers INDIA</p>	 <p>INDIAN SPACE ASSOCIATION Bhumandal Se Brahmaand Tak</p>	 <p>INDIAN PRINTED CIRCUIT ASSOCIATION</p>
 <p>Gezia Gandhinagar Electronics Zone Industries Association</p>	 <p>HCC</p>	 <p>SICCI Society of Indian Chemicals & Allied Industries ISO 9001 : 2015 Certified</p>	 <p>ELCIA</p>	 <p>AIDAT AIRCRAFT INDUSTRY DEVELOPMENT ASSOCIATION OF INDIA</p>
 <p>TELMA TELECOMMUNICATIONS ELECTRONIC MANUFACTURING ASSOCIATION</p>	 <p>CIMEI Confederation of Indian MSME in ESDM and IT</p>	 <p>IESA INDIA ELECTRONICS & SEMICONDUCTOR ASSOCIATION India's ESDM Leadership and Knowledge Partner</p>	 <p>Association of Electronic Industries in Singapore</p>	 <p>FEDERATION OF ISRAELI CHAMBERS OF COMMERCE ISRAEL'S LARGEST BUSINESS ORGANIZATION</p>
 <p>SIATI</p>	 <p>FEI اتحاد الصناعات المصرية FEDERATION OF EGYPTIAN INDUSTRIES</p>	 <p>SRI LANKA EXPORT DEVELOPMENT BOARD EDB</p>	 <p>Indo-Australian Chamber of Commerce</p>	 <p>ELCINA 55 years of dedicated service</p>
 <p>Explore The Space (Promoting STEM Education & Space Exploration awareness in Schools & Colleges across Geographies) Explore The Space is an NGO Registered in - ISRO - Space Tutor and NTTI Aayog (Govt. of India)</p>	 <p>ICE Indian Chamber of Commerce</p>	 <p>dik Consortium of Electronic Industries of Karnataka "Voice of Electronic Industries"</p>	 <p>WHMA Wiring Harness Manufacturer's Association</p>	 <p>SIINDIA An association for space industry</p>
 <p>SLMEA</p>	 <p>ELIAP ELECTRONIC INDUSTRIES ASSOCIATION OF A.P.</p>	 <p>AIMED</p>	 <p>ESSCI Skillling India in Electronics</p>	 <p>AASSC Aerospace & Aviation Sector Skill Council</p>
 <p>SDC AUTOMOTIVE SKILLS DEVELOPMENT COUNCIL</p>	 <p>ESC</p>	 <p>EFYGROUP YOURS SINCE 1969</p>	 <p>timestech.in</p>	 <p>Electronics Media</p>
 <p>Electronics Clap UPGRADE CONNECT GROW</p>	 <p>EE Electronics A new era in technology media</p>	 <p>BUSINESS WORTH LED LIGHTING & SOLAR INDIA Bi-monthly News Magazine devoted to...</p>	 <p>electronics maker THE MOST POPULAR ELECTRONICS MONTHLY MAGAZINE</p>	 <p>EMS NOW</p>
 <p>TechmEzine All About Electronics</p>	 <p>CIRCUIT DIGEST</p>	 <p>JAPAN UNIX</p>	 <p>Ray-Q Interconnect A Berkshire Hathaway Company</p>	 <p>ADVANCE TECH SINCE 1988 We Serve Technology The Right Way</p>
 <p>JBC The Soldering Co.</p>	 <p>Prodigy Your quality Printed Circuit Board supplier</p>	 <p>DigiKey</p>	 <p>STATIC SYSTEMS TOTAL SOLUTION FOR ELECTRONIC INDUSTRIES</p>	 <p>IBS ELECTRONICS GROUP AUTHORIZED GLOBAL DISTRIBUTOR</p>
 <p>ZEISS</p>				



IPC INDIA TECHNICAL ADVISORY GROUP

Provides Support in Solving
Your Technical Queries

Your Name *
Your Email *
Phone Number *
Company *
City & Country *
Submit

IPC Membership
Non-Member

What services may we assist you with? *

SMT
Through Hole Technology
Bare PCB
Wire Harness
PCB Design
IPC Standards
Any other

Attached file or Picture
Choose File No file chosen

Please Contact Us
for more information



ABHISHEK UPADHYAY

Regional Manager

North, East India, Bangladesh & UAE

abhishekupadhyay@ipc.org

+91 9313224509



VITTAL VATAR

Regional Manager

South India (Karnataka),

Sri Lanka & Saudi Arabia

vittalvatar@ipc.org

+91 7338466577



PRABHU V

Regional Manager

South India

(TN, AP, Telangana & Kerala)

Prabhuv@ipc.org

+91 8904411449



NEHA MALVIYA

Regional Manager

West India

nehamalviya@ipc.org

+91 9960098465

www.ipc.org/ipc-india

