

antest

Void-free soldering

Indium / Asscon / Heller / Parmi seminar

September 27th 2017, Kranj, Slovenia

- Introduction
- Basic information:
 - Indium
 - Asscon
 - Heller
 - Parmi
- Introduced equipment
- Schedule
- Location
- Arrival confirmation

Seminar

- For many years now Amtest has successfully cooperated with manufacturers of electronic products within our region, so we decided to upgrade our cooperation with free seminar. Topics at the upcoming seminar on September 27th will be:
 - „*Avoid the void*“ (Indium)
 - Lecturer: Cristian Tudor, Applications Engineer – Eastern Europe
 - 20-year experience in **void-free** vapour-phase soldering (Asscon)
 - Lecturer: Uwe Filor, European Sales Manager
 - Reflow soldering ovens with **vacuum** technology (Heller)
 - Lecturer: Joe Balackyi, Sales Manager
 - **3D** optical inspection machines (Parmi)
 - Lecturer: Woong Jang, EU Branch Manager

All topics will focus on increasing the quality of solder joints with the reduction and elimination of **voids**.

All lectures will be held in English.

- **Indium** is the world's leading manufacturer of solder pastes. Indium manufactures more than 220 different types of alloys with melting temperatures ranging from 10 to 450°C, in different shapes.
- **Asscon** is the world's leading manufacturer of vapour phase soldering equipment. Because of the practical technology developments, today there are hundreds of Asscon Vapor Phase Soldering Systems installed world wide, from laboratories to high-capacity production facilities.
- You can read more about Indium and Asscon products at:

<http://www.amtest-smt.com/en/products/materials/solder-paste/>

<http://www.amtest-smt.com/en/products/production-equipment/soldering-equipment/>



- **Heller** is the market leader in reflow soldering oven technology. Using the advanced manufacturing and production systems, Heller produces reflow and curing systems that perform dependably in six-sigma production environments worldwide.
- **PARMI** is a manufacturer specialized in Solder Paste Inspection (SPI) equipment which is used to improve print quality and yield in SMT production lines. Throughout their 10 years experience and specialized in-house expertise in laser measurement and software development PARMi is now the Global leader in Solder Paste Inspection.
- You can read more about Heller and Parmi at:

<http://www.amtest-smt.com/en/products/production-equipment/soldering-equipment/>

<http://www.amtest-smt.com/en/products/inspection-and-test-equipment/automatic-optical-inspection/>



HELLER
INDUSTRIES



PARMI

- The following products will be introduced on the seminar:



LPKF ProtoLaser U4 for PCB prototyping



Parmi Xceed 3D AOI

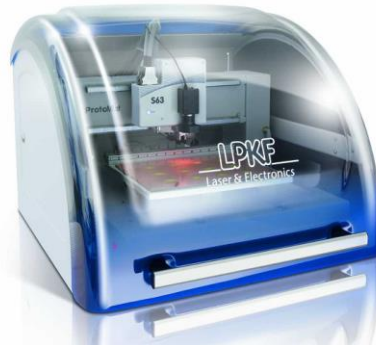
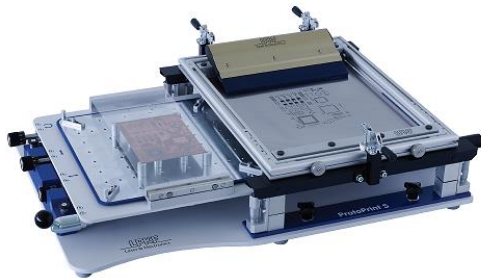


Systronic CL420 – testing possible

- Automatic stencil cleaning machine
- Stencil with frames needed for testing (for Vectorguard stencils, frames are not necessary)
- Cycle time: 25-30 min.

Introduced equipment

- The following LPKF, Vision Engineering, JBC and Elma products will be introduced on the seminar:



- The seminar will take place on **September 27th** in the classroom T5 at company ISKRATEL
- The seminar will begin at 9 am, so we expect your arrival between 8:30 and 8:50 am
- Estimated duration of the seminar is until 3:00 pm

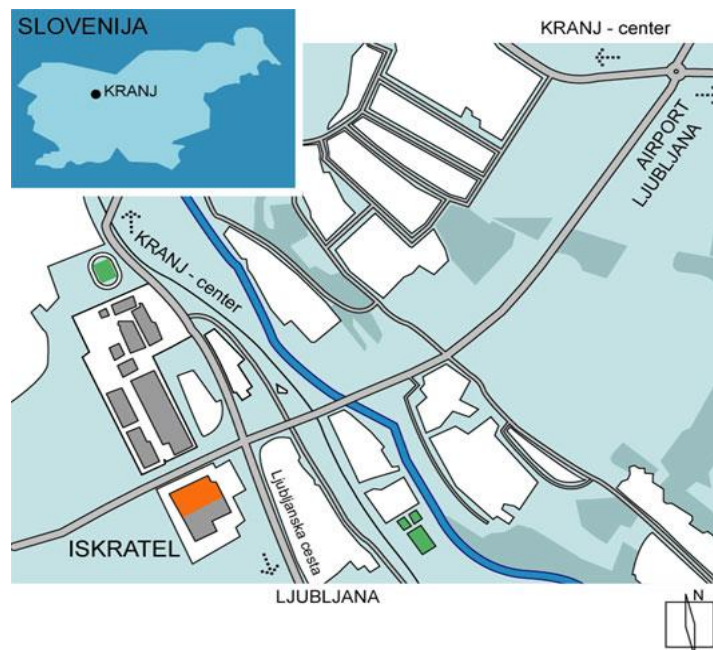
- Schedule:

- Arrival and registration 08:30 – 08:50
- Indium solder pastes 09:15 – 10:00
- Break 10:00 – 10:15
- Asscon equipment 10:15 – 11:00
- Break 11:00 – 11:15
- Heller equipment 11:15 – 12:00
- Lunch break 12:00 – 12:45
- Parmi equipment 12:45 – 13:30
- Equipment demonstration 13:30 – 15:00

- Times are subject to change

SEPTEMBER 2017						
MON	TUE	WED	THU	FRI	SAT	SUN
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

- **ISKRATEL**
Ljubljanska cesta 24a
4000 Kranj
Slovenia
- Classroom T5 is located at the basement floor of ISKRATEL headquarters (main entrance)
- Free parking is ensured in front of ISKRATEL factory



- Due to limited number of seats, please confirm your arrival via e-mail or phone number below:
 - E-mail: marko.navijalic@amtest-smt.com
 - Tel.: +385 1 390 8500
 - Mob.: +385 98 462 765 (contact number on the day of the seminar; Alen Varga)
- Deadline for applications is September 25th 2017, or until the seating capacity is reached
- If you are unable to attend the seminar, we will be glad to host your colleagues who might be interested in the seminar topics

Your Amtest team