Vacuum Soldering with Vapor Phase Reflow

11:30am Friday, June 13th
SMTA Members, non-members, students, and guests are welcome!

Speaker: John Bashe, General Manager of Rehm Thermal Systems LLC
☞ Please see Speaker’s abstract on page 3 ☜

Location: Doubletree Hotel
4099 Valley View Lane in Dallas (Near the intersection of I-635 @ Midway RD, 1 block NW).

11:15am (doors open for networking) Lunch buffet with multiple entrees, salad and dessert.

If you would like to attend, we ask that you RSVP by COB June 11th. Click on this address link: gtanel@qcg.com so we can have proper table space set up.
Do it now so you don’t forget!!

Agenda
11:15-11:30 check-in
11:30 Lunch
11:45 Meeting begins
   Welcome & Introductions
   Membership & Program Report
12:00 Speaker Presentation and follow up discussion
1:00 Adjourn

Pricing:
$15 Cash for:
   Members
   Employees of corporate members

$20 Cash for:
   Guests / Visitors / Non-members
Presidents Message

Greetings to Dallas SMTA Chapter members and guests:

Message from the president: June 6, 2014

Greetings to SMTA members and guests:
Summertime is upon us. The temps are in the 90’s this week and rain is scarce, so make plans to attend the June 13 SMTA Dallas chapter luncheon at the DoubleTree Hotel near the Galleria in Dallas. John Bashe from Rehm Thermal Systems will present the latest technology for Vapor Phase Reflow of PC Boards.

The chapter will not hold a meeting in July, but we will have a Corporate Member appreciation event on Friday, August 22, featuring Charlie Barnhart. He will be discussing the current state of the electronics assembly industry. Mark your calendar, as Charlie is a fantastic speaker and this will be one of the few times he’ll be stopping in D/FW this year. More information is forthcoming soon.

SMTA-I is earlier than usual this year. Rather than meeting in mid-October, the schedule has been moved up to begin in late September in Chicago. Go to [http://www.smta.org/smtai/](http://www.smta.org/smtai/) to register for this important event.

I look forward to seeing you at the next Chapter meeting.

Always,

Jack Harris
Chapter President – Dallas SMTA

New Members for JUNE
A big Texas welcome to our newest members as of June 1, 2014.

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Company</th>
<th>Member Type</th>
<th>Date Joined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anand</td>
<td>Paliwal</td>
<td>Kidde</td>
<td>Individual</td>
<td>6/1/2014</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Participating</th>
<th>Corporate</th>
<th>Individual</th>
<th>Student/Retired</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>40</td>
<td>75</td>
<td>9</td>
</tr>
</tbody>
</table>

TOTAL 151
ABSTRACT:

Excessive voiding can significantly impact the reliability of solder joints in SMT assemblies. In addition to optimizing the materials and thermal profile to minimize voiding, the vapor phase reflow offers unique opportunities for active void reduction during the soldering process. A review of the factors that contribute to solder joint voids will be followed by an explanation of vacuum soldering, and how it is accomplished in a vapor phase reflow system. Some examples will be presented which will demonstrate the benefits of the vacuum reflow soldering process.

SPEAKER BIO: JOHN BASHE

Current position - General Manager of Rehm Thermal Systems LLC. John has 25 years combined experience in electronics assembly in the areas of component placement and reflow soldering.
Quality Engineer (Hi-Reliability Military & aerospace products) EMS, Atlanta Georgia.
Application Engineer - High Speed Component Placement – Philips EMT
Product Manager - Component Placement & Integrated SMT line solutions
Sales & Sales Mgmt - Component placement – Philips EMT
Applications, Sales & Sales Mgmt – convection & vapor phase reflow soldering systems, and curing systems.
Several articles published in the areas of component placement and vapor phase reflow soldering.
Education: Bachelor of Science, Mechanical Engineering, Georgia Institute of Technology

Brought to you by the Dallas Chapter of the SMTA
"I demand a salary commiserate with my extensive experience."

"I have learnt Microsoft Word, computer and spreadsheet programs,"

"Received a plague for Salesperson of the Year."

"Reason for leaving last job: maturity leave."

"Wholly responsible for two failed financial institutions."

"Failed bar exam with relatively high grades."

"Let's meet, so you can 'ooh' and 'aah' over my experience."

"You will want me to be Head Honcho in no time."


"Reason for leaving last job: They insisted that all employees get to work by 8:45 every morning. Could not work under those conditions."

"Note: Please don't misconstrue my 14 jobs as 'job-hopping.' I have never quit a job."

"I am loyal to my employer at all costs .... Please feel free to respond to my resume on my office voice mail."

"I procrastinate, especially when the task is unpleasant."

"As indicted, I have over five years of analyzing investments."

"Personal interests: donating blood. Fourteen gallons so far."

"Instrumental in ruining entire operation for a Midwest chain store."

"The company made me a scapegoat, just like my three previous employers."

"Finished eighth in my class of ten."

"References: None. I've left a pad of destruction behind me."

"It's best for employers that I not work with people."
REASONS TO JOIN YOUR LOCAL SMTA CHAPTER

- Do you have something to share such as new technologies or new products?
- Are you new in a sales territory? – do you know all the players? Do they know you?

Be informed and involved on the Local Chapter level:

- Take advantage of technical information provided at local meetings Get to know colleagues in your local area
- Network for technical information and get to know companies and people in your local area
  - Share information with colleagues on new products and services

THE MISSION OF SMTA

The Surface Mount Technology Association (SMTA) membership is a network of professionals who build skills, share practical experience and develop solutions in electronic assembly technologies and related business operations.

MEMBERSHIP DUES

Participating: $50 - If your company (same location/division) holds a Corporate Membership it’s employees are eligible to receive the full range of benefits at a discounted price.

Individual: $75 - This membership is designed for individuals who wish to join SMTA to receive all the benefits independent of a Corporate Membership.

Corporate: $450 - A corporate membership in SMTA provides discounts to employees located in the same location/division where the Corporate Membership is held.

Student/Retiree: $5 - The Student/Retiree Membership is available to all full-time post-secondary students and retirees at a discounted rate.

HOW TO JOIN

On-line at www.smta.org

By contacting SMTA Headquarters (952) 920-7682

This month’s meeting is on Friday the 13th. Do you suffer from Triskaidekaphobia? That is the fear of “Three plus Ten”. According to experts, it costs this nation over a $billion a year in absenteeism, plane cancellations and reduced commerce.