

# Invitation

ASM International Pune Chapter and Rubig Industrial Furnaces, Austria cordially invite you for technical lecture on

## Practical Process Comparison of Plasma & Gas Nitriding from users point

By

**Dip Ing Thomas Muller,**  
COO, Rubig Industrial Furnaces  
Austria

**Venue:** Hotel Pride ,  
Pune University Road, Shivaji Nagar Pune.  
**Date:** Wednesday 25th Sept 2019 at 7.00 pm sharp.

**Budhisagar Naik**  
Chairman, Tech. Prgm.

**Rahul Gupta**  
Secretary  
**ASM Pune**

**B R Galgali**  
Chairman

Please join us for Cocktails & Dinner Sponsored by Rubig Industrial Furnaces ,  
RSVP: [asm.pune@gmail.com](mailto:asm.pune@gmail.com), Ratna: +919921826890

### About the Program :

Registration	7.00 - 7.30 pm
Technical Presentation	7.30 - 8.15 pm
Q&A Session	8.15 - 8.30 pm
Cocktails & Dinner	8.30 - 10.00 pm

### About the Speaker:



Ing Thomas Muller, MSc is COO of Rübzig Industrial Furnaces: Product Development of plasma assisted surface engineering technology and heat treatment equipment..

Mr. Muller studied Materials Science at Montan University Leoben, Austria & Management at LIMAK management academy.

Mr. Muller is Member of ASMET (Austrian Society for Metallurgy); AWT - Chapter Nitriding and Nitrocarburizing; R&D Experts of the Austrian Chamber of Commerce; ASM (American Society for Metallurgy) and EFDS (Europäische Forschungsgesellschaft Dünne Schichten)

### About the Topic:

For heat treatment processes, precise temperature control, quality reproducibility, increase in energy efficiency and cost of treatment per component are becoming increasingly important. Based on the advanced developments in the field of furnace and process technology, the trend is more and more towards environmental friendly and economical methods such as plasma nitriding. Nevertheless from the technical point of view, not all applications can be handled by plasma nitriding technology. So a coexistence of different nitriding technologies will remain. The differences, advantages and disadvantages of plasma nitriding and gas nitriding will be presented from the user's point of view. A practical criteria for the choice of process (gas or plasma) will be discussed. Thereafter, a Life Cycle Assessment, including the environmental/ecological impact of these processes, will be presented.