Manufacturing Technology Training
An IMTMA initiative

IDR approach - Trouble Shooting Component Defects in a Press Shop
Date : 19 to 20 August, 2025
Venue : IMTMA Technology Centre, Pune

INTRODUCTION

In a Press Shop, production runs are carried out for stamping a number of sheet metal components. Each component requires a number of Dies running on multiple presses. For each run, Die setups are changed and various parameters are set. Although the Dies are proven and productionised, there are some variables which differ from batch to batch, which results in the first few components not reaching the required quality requirements. Press Shop Personnel have to fine tune some settings to get the desired results. This is sometimes tricky and valuable time and material gets wasted. In some cases, Dies suffer damage due to manual errors and repairs have to be carried out on a war footing. This calls for specialized skills which are not always available readily at hand.

What is IDR approach?
IDR - it's a three leap scientific approach to trouble shooting of component defects in press shop.

I-Identify
D-Diagnose
R-Resolve

FOCUS AREAS



- Care to be taken by Press shops while accepting Dies for production
- Understanding common defects in components
- Best Practices to overcome these defects
- Do's and Don'ts during Die setup change
- Understanding various press parameter settings
- Role of sheet materials in causing inconsistent part quality
- Preventive maintenance of Dies
- Optimizing Die life
- Display of sample parts in order to identify the defects

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

1. Systematically evaluate Dies before accepting them for production
2. Understand the various defects which occur in production runs
3. Apply the right methods for ironing out these defects
4. Follow the correct procedure during welding of Dies for emergency repairs and modifications
5. Understand various Press parameter settings
6. Understand the right techniques of refurbishing Dies
7. Understand various adjustments available in Dies for fine tuning

PARTICIPATION FEE

Rs. 10450/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 415/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

This program will benefit Technicians, Supervisors, Engineers and Managers from the production department and Die Maintenance Department of Press Shops in the Automobile, General Engineering, Railways and Defence Industries.

FACULTY

This programme will be conducted by **Mr. C A Bodas**, industry expert in Die Manufacturing, Tryout and Proving of Sheet Metal Dies with more than 30 years of practical hands on experience in Tata Motors. He has expertise in proving outer panels like doors, roof, tailgate, hood and side panels. He has travelled to Japan & Taiwan for executing the Nano & Ace Projects.

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.