**Burrr Management in Machining**

Date: 17 July 2014 @ BANGALORE

As long as there has been metal cutting, there have been burrs—an unwanted side effect of the process. Barring a revolutionary change, burr formation will always be a problem. With a few exceptions, conventional machining techniques always produce burrs. Burr prevention requires both conventional and nonconventional approaches. However, even when burr prevention products get sharp edges left as a result of the machining process generally are not acceptable and require edge treatment. Burr removal represents unnecessary cost to the industry in various forms such as additional manufacturing, compensation, service, recall, and collateral damage on the company image. Therefore, in most cases, it is an all or nothing remedial action to secure the burr in order to prevent it from being detached from the part.

Keeping this in view, Indian Machine Tool Manufacturers’ Association (IMTMA) is organising a 1-day programme on Burr management in Machining on 17 July 2014 at Bangalore. This program will give a clear knowledge to participants on Burr definition, Burr geometry, Burr formation mechanisms, Burr types and standards by burrs & edges. Various methods on burr less operations, Burr prevention and Burr minimization technique will be discussed.

**FOCUS AREAS**

- **Definition for Burr**
- **Burr geometry**
- **Burr formation**
- **Availability of standards for burr & edges**
- **Burr prevention**
- **Burr minimization**
- **Design for edge quality**
- **Eliminating waste**
- **Use of better cutting tools**
- **Practical demonstration on burr generation, prevention and minimization on CNC operations**
- **History of deburring process**
- **Deburring process enhancement**
- **Non traditional deburring processes**
- **Financial impact on getting rid of burrs**

**Key Take Aways**

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

1. Define the burr and edge quality in the process and able to understand how it affects fit, function and safe use of product.
2. Plan & implement burr-less operations or minimise burr in manufacturing.
3. Gain knowledge on various conventional and non conventional methods for burr prevention and burr removal.
4. Get awareness on various equipments and special processes practiced in manufacturing industry and their availability in the market.
5. Cost benefits and manpower reduction due to burr prevention activities.

**Participant Profile**

This programme will benefit Middle/ senior management team members and Engineers from functions of R&D, Product Design, Process Planning, Production, Quality Assurance from Automobile & auto ancillaries, Machine Tools, Consumer Durables, Aerospace, Defence & Railway establishments, General Engineering industries. Continuous improvement leaders, TPM & Six sigma project leaders can derive benefits out of the programme.

The programme will be highly interactive where participants can solicit feedback on specific technical issues from the expert faculty.

**Faculty**

The programme will be conducted by Mr. Krishna Raghavendra Bhat and Industry experts from Kenmareal India and Motheron Techno Tools.

Mr. Bhat is former Vice President - Manufacturing at L. G. Balakrishnan & Bros. Limited, Coimbatore with over 35 years of experience in Manufacturing Engineering and plant operations. He has been successful in implementing various productivity techniques, bringing Process perfections and operational excellence. He has also planned & established manufacturing engineering & localisation projects for fuel injection component manufacturer, implemented VA/ VE projects, mfg. process optimization & methods improvement activities. An MBA and Mechanical Engineer, Mr. Bhat has been associated with Triton Valves, Delphi TVS, Stanley Amalgamations and Bosch.

**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.

**FEE:**

- The stipulated fee can be paid online by clicking on ‘Register and Pay online’ button and using the secured HDFC payment gateway. Upon successful registration and payment, a separate registration and payment confirmation will be sent to the nominating authority mail id confirming the registration and OR payment details.

**Cheque/DD:**

- Alternatively, a Demand Draft / RTGS / NEFT / Cash payment / at par cheque in favour of ‘Indian Machine Tool manufacturers’ Association’ payable at Bangalore can be sent to the process coordinator at the address mentioned in the programme brochure. In case of any difficulty in registering or site downvotes, please contact Reshaya at 8880112222.

**About IMTMA:**

Indian Machine Tool Manufacturers’ Association (IMTMA) is the single point of contact for the machine tool industry in India. The Association has over the years transformed itself to looking beyond, to focus on issues of productivity, quality, technology, new-product development, design, customer satisfaction, etc. to enhancing competitiveness of the industry in both domestic and foreign markets. IMTMA has established a state-of-art facility at IMTMA Technology Centre, BIEC, Bangalore. IMTMA organizes 150 programmes over 60 Topics for the industry. It also conducts a comprehensive ‘Thinking Schools’ programme in Production Engineering for fresh engineers. It has delivered over 25000 Man days programmes in PRODUCTIVITY, QUALITY, RELIABILITY, DESIGN, AUTOMATION, MAINTENANCE AND MANUFACTURING.