

Metal Forming Simulation for 2004: Practical Tools to Obtain Cost Reduction & Process Improvement

Tuesday 4th November. National Metalforming Centre, West Bromwich, West Midlands

A review of the latest simulation software designed to help companies involved in all types of metal forming (sheet metal, bulk metal, machining and roll-forming) reduce costs, improve quality and shorten lead times.



Provisional Agenda (subject to change & with approximate timings)

Morning Programme

Cold, Warm & Hot Forging, Extrusion, Rolling, Machining & other Bulk Metal Processes

- 9:45 am: Coffee & Morning Registration
10.00 am: The business case for Metalforming Simulation:
- Costs vs. Benefits
- Skills Required
10.30 am: Using simulation for manufacturing problems & die design
11.15 am: Coffee
11.30 am: DEFORM-3D V5.0: A new way to simulate complex 3D forming processes
12.00 pm: New simulation applications:
- High speed machining, milling & drilling
- Machining distortion
12.30 pm: Questions & Close

Lunch (Open to all delegates)

An opportunity to discuss your simulation requirements with Wilde FEA engineers

Afternoon Programme

Sheet Metal Pressing, Deep Drawing, Stretch, Superplastic & Roll Forming

- 1:15 pm: Afternoon Registration & Coffee
1.30 pm: Why simulate pressing operations? – the business benefits
1.45 pm: Early phase formability, & blank size prediction using FASTBLANK
2.00 pm: Introducing FASTFORM Advanced: for detailed formability & springback prediction
2.15 pm: Optimised coil nesting made easy with BLANKNEST
2.30 pm: Coffee
2.45 pm: Detailed tool design and virtual try-out using LS-DYNA solver technology
3.00 pm: Introducing DYNIFORM V5.0: the next generation simulation system
- Quick Set-Up Interface
- Rapid Die Face Engineering (DFE)
- Springback prediction
- Press tool stress analysis
3.30 pm: SHAPE-RF – The first practical FEA roll forming simulation system
4.00 pm: Questions & Close

The afternoon session is hosted in partnership with Dutton Simulation Ltd