

Deutsche MTM-Vereinigung e.V  
First Time Right!

MTM



MTM Conference

# Ergonomia e MTM



- **Technical Platform of IMD**
- **Good Ergonomics**
- **System EAWS**
- **EAWS User Group**
- **Next Steps**



- **Building Block Systems**
  - MTM-1, MTM-2, UAS, MEK
  
- **Measurement of Ergonomic Workload**
  - EAWS
  
- **DFA-Tool**
  - ProKon
  
- **Targets**
  - Based on english master manuals we have an uniform training and application of all MTM systems worldwide



- **Ergonomic Assessment Worksheet (EAWS)**

- Developed by Institut für Arbeitswissenschaft Darmstadt (IAD) together with Italian MTM ass. And IMD
- Predecessors: different inhouse systems (Opel, Daimler, etc)

- **Steps**

- Field tests in Italy and Germany 2010-2011
- English Master Manuals
- Roll out scheduled III/2012



## ■ User Group

- Initiative of German MTM ass.
- Steering group together with company members
- Scientific coaching : IAD Darmstadt
- 2 regular meetings per year
- Kick off: 10<sup>th</sup> of May 2012

## ■ Next steps

- Manual fine tuning
- Train the pioneer trainers: 18<sup>th</sup> to 22<sup>nd</sup> of June 2012
- Exchange of experiences => 2<sup>nd</sup> International Conference December 2012 Darmstadt



## ■ **Customer benefits**

- **Members have direct access to all actual documents**
- **Customized systems are no longer necessary**
- **Acceptance is growing up**
- **All parties may trust to the same standard**



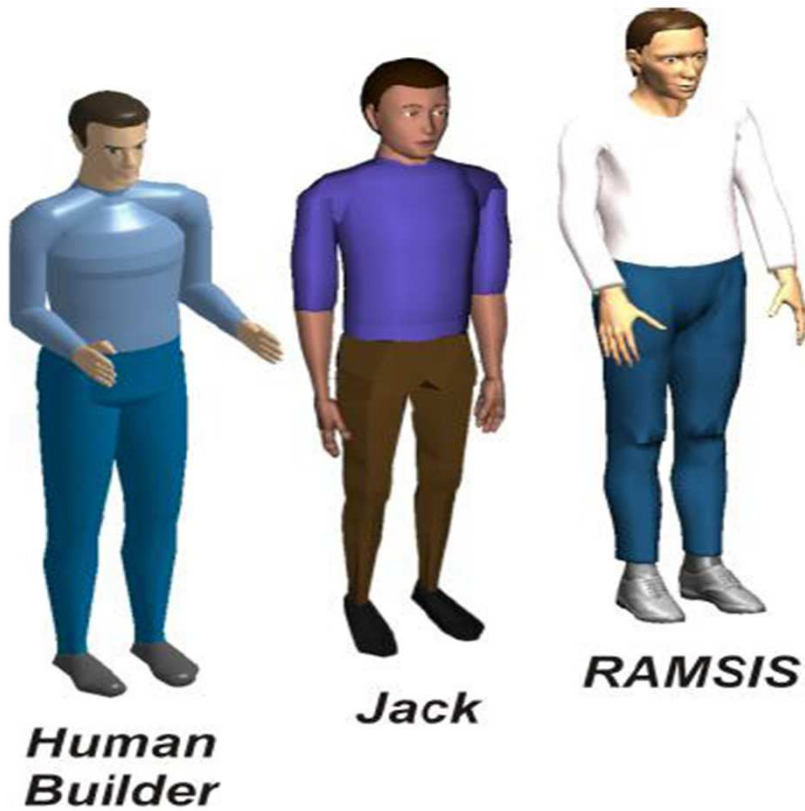
## ■ **MTM vs. Ergonomics?**

- MTM is more than a target time, more than PTS
- MTM Building blocks are process bricks
- Time is an important parameter but only one parameter
- If we add ergonomic parameters we may calculate biomechanical workload

## ■ **MTM vs. Digital Human model?**

- Digital factory needs MTM
- TiCon**ema** is a new editor of human work using MTM and EAWS

## Homo sapiens digitalis



*„We all speak MTM“*