

# Speakers: Bernhard Grossmann and Holger Langhans

## Profile

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Holger Langhans (Dipl. Ing. (BA) Mechanical Engineering)

Holger Langhans has been Managing Director of Comara GmbH, a 100% subsidiary of Walter AG, since October 2016. Holger Langhans has been able to accumulate extensive production know how throughout the stages of his professional career. From 1998 to 2011, he worked for Flender GmbH (later Siemens), initially as an operating engineer, and lastly as Production Manager for several years. Between 2011 and 2016, he was, in his role as Director Multiply at Walter AG, responsible for expanding cutting optimization services, Tool Management Services and cutting process optimization solutions.

Bernhard Grossmann (Engineering Consultant)

Bernhard Grossmann is a TDM expert through and through. Even during his mechanical engineering studies at the University of Stuttgart, he worked devotedly with machine tools, and consequently started as a research associate at "Institut für Steuerungstechnik der Werkzeugmaschinen und Fertigungseinrichtungen" (Institute of control technology for machine tools and production facilities) (Prof. Stute). In 1986, he went into business for himself as a co-founder of Soflex GmbH, which focused on the control of flexible manufacturing systems. In 1992, he moved to E. Zoller GmbH & Co. KG and was responsible for electronics development there. His interest even then lay in digital Tool Data Management, and so he started as a consultant for the engineering of customer projects at TDM Systems in 2001.

## Title

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- TDM Feeds & Speeds Manager & Comara: With better cutting data for optimal machine and tool use

## Focus/ Target Group

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- Existing customers
- Head of production
- Head of production planning
- NC programmers

## Duration

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- 40 minutes

## Focal Points/ Contents

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As guest speaker and Managing Director of Comara GmbH, Holger Langhans presents the business fields and products of Comara – iCut and appCom. This involves optimizations relating to the machine, or more precisely relating to acquiring machine data and evaluating and using data. TDM Systems cooperates with Comara in terms of acquiring cutting data. Mr. Langhans will present this solution too, and show how Comara and TDM (with the Feeds & Speeds Manager) perfectly complement each other and offer users enormous increases in machine efficiency.

- **Comara GmbH:** Specialist in machine interfaces and machine-related optimization
- **Comara services:** Expertise regarding machine data recording
- **Story of the partnership:** How Comara and TDM products complement each other perfectly

Bernhard Grossmann will follow directly on from Holger Langhans's presentation and shed light on how machinists can get optimal cutting data. Of course, tool manufacturers provide predefined cutting data, but you can only see how valid this is once it is on the machine. With the TDM Feeds & Speeds Manager, Bernhard Grossmann presents a totally new approach that enables the driven cutting data to be acquired directly from the machine via the Comara Box, this data to be compared with the planned data and the verified data to be saved. Analysis of cutting data: How can you get better cutting data and what information can you draw from the analysis of driven cutting data?

- The TDM Feeds & Speeds Manager: Compressing, analyzing and saving the driven cutting values from the machine
  - How does the Feeds & Speeds Manager work?
  - How does the data from the machine control system get into the TDM software?
  - What data is acquired and analyzed?
  - What do the users benefit from and for whom is the FSM suitable? Der TDM Feeds & Speeds