



Issue 01-2008

# TDMmessage

Magazine for Customers, Partners, Interested Parties and Employees of TDM Systems

## Professionalism in Project Business



**Ready for Take-Off**  
Digital tool data for CAD/CAM  
simulation

**MPO - the Basis for Quality  
Control**

**TDM User Meeting for German  
speaking Users  
at SANDVIK Coromant**

# The Customer's Ticket to Satisfaction

„Omnia explorare - meliora retinere“ (roughly „Explore all Avenues, but Choose the Best“) is an insight that was already known to our ancestors in ancient times. But in our days too, it's something we should take to heart. Especially we as an innovative company, have a need to constantly rethink about our course of action and our products. Long it has been no secret that the software industry in particular has an extraordinarily high rate of innovation. That makes it all more important not to lose sight of our customers.



Dipl.-Ing. Jürgen Auer  
General Manager TDM Systems

Do our solutions meet the needs of our customers? What user requirements must our products satisfy in future? How can we offer additional support to the customer? These are questions that keep us in motion every day and help us to get better. However, the issue is to improve not only the quality of our products, but also the efficiency of our support in particular and our services in general.

For this reason, we at TDM have now introduced a „Ticket System“ to help process your inquiries even better than before. In future, every support inquiry will be given a „ticket“ which precisely describes the nature of the problem. This has the advantage of making it easier for you to track important and urgent support activities. This ticket system is an important step for us along the way to an even higher level of service quality. On the whole, one of our goals in 2008 is to optimize our internal procedures even more, so that you always have the feeling of being in good hands with us.

To this end we are leaving no area out of consideration; we are taking a look at all aspects of customer service and contacts. We want to view ourselves with a critical eye, well knowing that there is always room for improvement. The focus in all this is, of course, you the customer: your wishes and your requirements. Please do not hesitate therefore to approach us directly about this; your practical knowledge can help us. „Better is the enemy of Good“, as has so well been said, and we intend to apply and live out this motto - to your benefit.

Yours,  
Jürgen Auer

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Tool Data in Production Planning at Aerospace Specialist ASCO

## No Tool Without a Digital Counterpart

**In addition to presentations about titanium processing and machine concepts in the airplane and aero space industry during the WALTER aero space days, Tim Broeckhoven (Dr. Ir.) took up a fully different topic: the preparation of digital tool data in the production area. Tim Broeckhoven, a production engineer, came all the way from Zaventem in Belgium, headquarters of ASCO, to talk to us about this. During a quieter moment at the symposium, we seized the opportunity to talk to him.**

They simulate the production process and help us look for areas of interference. Another such deviation is our NC-programming department, which deals every year with 600 new NC programs. Here the digital availability of tool data means an enormous saving in time. Then too, the engineers and technicians in our production area use TDM daily in order to select tools for new products. Last but not least, our team members in the tool presetting area work with this data. Each of these team members uses a different set of data with a various view of the tools.



Dr. Ir. Tim Broeckhoven from ASCO, a well-known supplier to the aerospace industry, points out that in the production of chassis and landing flaps it is no longer possible to work without digital tool data. „The TDM software,“ he emphasizes, „is a central software tool at ASCO; our production would grind to a stop without it. We maintain interfaces between TDM and all of our key software systems, like VERICUT, AutoCAD and ERP-Mapics.“



At ASCO, airplane parts are manufactured and assembled on 40,000 m<sup>2</sup> of roofed-over floor space in five production areas. Asco employs 1,200 persons in three production plants.

*TDMMessage: Your company has production locations in Belgium, Germany and Canada. Do they work with TDM there as well?*

Dr. Broeckhoven: We are now starting work with TDM in our other plants as well. At the moment, we are still in the startup phase. However, the production processes are similar in all cases. In Zaventem, we do more processing of titanium and steel components, while in Germany we work more with long aluminum parts and in Canada with large structural aluminum parts. But when the tools are available in digital form, it means that all plants have access to the central TDM database.

*TDMMessage: Why is the CAD/CAM link so important to you?*

Dr. Broeckhoven: The reason is not that we fear collisions. Fortunately, they are now a thing of the past for us. However, this has had its price, namely longer approach times. Today, we have the assurance that everyone in each plant is using the same tool data. Gradual approaches are now a thing of the past.

*TDMMessage: Dr. Broeckhoven, why is TDM software so important to your company?*

Dr. Broeckhoven: It's easy to lose the overview when you work with more than 4,700 components and some 3,300 tool assemblies. TDM, on the other hand, stores the information and data of all our tools and keeps this centrally available to us.

*TDMMessage: Who needs this data in your company ?*

Dr. Broeckhoven: Our Mechanical Eng. Department, for one. It has interfaces to VERICUT and CATIA, our CAD/CAM systems.

*TDMMessage: You also talked in your presentation about tool regrinding. Does TDM support you in that, too?*

Dr. Broeckhoven: Yes, of course. In the past, the data, angles, dimensions and so forth used by the regrinding operator were recorded in Excel lists. The disadvantage was that all data had to be recorded in duplicate by the tool management area and in the Excel lists. Today, we use TDM to generate the data lists for our internal regrinding centers, and we intend to employ this function in future for our external regrinding processes as well. This eliminates the errors which formerly occurred due to redundant data storage.

*TDMMessage: Dr. Broeckhoven, many thanks for finding time for us.*

*Pioneering Activities at Schütte: Fast Access to the Right Tool for Every Application*

## New: TDM Tool Management now in Machine Project Planning

Machine tool manufacturer Alfred H. Schütte in Cologne, Germany, will shine in future with even more professionalism in project planning. To carry out customer projects with the required efficiency and customer orientation for its newly developed multi-spindle automatics, the company is reverting back to a tried and true system: TDM tool data management software. TDM has already been long in use at Schütte to support production processes; now TDM will be used in project planning at a machine-making company for the first time as well.

It's easy for a company with far more than 10,000 tools to lose overview. Just searching for required tools can turn into a time-consuming affair. People in charge at Alfred H. Schütte Company went looking for a software that could bring order to the production area and give an transparency of the company's entire tool stock. They found TDM, the specialized software that can keep track of all plant resources. That's why this machine-making company has used TDM since 2002 for its production tools, including tool crib management with a linkup to presetting activities. Reorganization of measurement and testing equipment followed a year later. Schütte is now continuously using TDM to record and update its technical data.



A typical presetting station in the production area. At Schütte Company in Cologne, Germany, TDM software automatically delivers tool data to the Kelch presetting device.

### Order in the production area: fast access to 6,500 individual tools

"The challenge was to get control of 6,500 individual components, 5,500 tool assemblies and 2,000 tool lists," says Bernd Sterk, director of the TDM project in Schütte's production area. "Tool assembly had become much too complex. On the one hand, each employee had his own name for individual parts, and on the other hand, there were different crib structures. The methods used, starting from tool items to get finally the assembly at the machine, definitively consumed too much work and time." Transparency was lacking in the company's tool stocks, so that often too many tools were ordered, while available tools remained unused. During the course of time, the tool stock grew to enormous size. An important advantage of TDM is its graphic images for each and every tool, including assembly instructions. In addition, all data required for each tool are already contained in a database: geometry, technical information, and graphic images. TDM even makes it possible to store any desired number of technical data records, so that the experience gained from tool use and the possible operations with the tool can be comprehensively documented and applied.

#### TDM software modules in use at Schütte Company:

- TDM Base Module
- TDM AutoCAD
- TDM Crib Module
- Integrated KELCH presetting systems
- TDM Client Management
- TDM Data and Graphic Generator
- TDM Gauge and Calibration Control Module

#### Advantages of TDM:

- Enormous time savings in tool searches and definition
- Reduced tool stocks
- Up to 15 % reduction of tool costs
- Central database with tool know-how
- Storage of technical data and possible tool uses
- Efficient tool preparation

#### New: TDM in Customer Projects

Customers who order one of Schütte's multi-spindle automatics normally get a complete technological production process. The reason: In 70 % of the project, the machine is tailored during the tender phase to a very specific workpiece of the customer. "Customers almost always come to us with questions: Which machine can be used to produce a specific component?"

What will be the part production time? What will be the investment?" Says Dr. Martin Reuber, Marketing Director at Schütte. "Most of our customers – from the automotive and fittings industries, for example – have concrete applications in mind and are looking for the most reasonably-priced solution." That's why purchase of a Schütte's machine often goes hand-in-hand with technical design (tool selection, NC programming, setup plans, and, if necessary, process simulation), along with production of the workpiece and all the way up to customized special designs.

#### **Project Planning for multi-spindle automates: TDM provides tool lists automatically**

TDM is part of the process whenever tool selection and documentation are at issue. In the past, cutting tools information was found only in the SAP database of regularly required materials - sometimes classified by manufacturer, other times by tool type. Even material designations were not always uniform, so that identical materials at Schütte were often listed more than once in the system. "The only people who



Thermo symmetric construction guarantees recurring processes

had any overview at all over this slam-bang classification system were those who worked with it every day. This is precisely where TDM provides a coherent strategy with classifications, group structures, and clear-cut search features. And TDM's definition of separation points is a powerful help to us in putting our tool assemblies together," says Dr. Carsten Klöpfer, Director of Applications Technology.

Schütte has now enlarged its TDM database to include Project Planning, and uses TDM's Data and Graphic Generator to input tool data and graphics. The major advantage of this: it lets each employee store complete tool data records, including 2D graphics and 3D solids - and all this in only a few seconds. With its database of

Detailed machine documentation includes not only technical data and process sequences but also detailed tool lists. Here TDM supports the project team member with professional tool selection, so that he can select each tool according to the machine process, the machine itself, or the material to be used. Using individual tools, it is easy to create drag & drop tool



Excited about new opportunities opened up by reliable TDM tool data management software for project planning with multi-spindle lathes: Schütte Company's Dr. Carsten Klöpfer, Director of Applications Technology, and Bernd Sterk, Director of tool procurement processes.

lists. Setup plans and NC programs are then created on this basis, allowing the machining process to be initiated smoothly.

Tools stored for the project planning area in the database, are very often not used in the production area itself. In order use common tools, but to separate specific tools in both areas, TDM offers the "Multi Plant Management". This means, Project Planning is an individual client and has access only to the tool data from its own area. "This TDM function is ideal for us, since the team members in the Project Planning Area have access to their own tools. We have separate data, but still only a single database," emphasizes Dr. Carsten Klöpfer.

#### **i Company Close-Up**

Alfred H. Schütte Company in Cologne, Germany, is one of the world's leading machine tool manufacturers. The company produces multi-spindle automates and 5-axis CNC grinding machines, and is represented with these products on all continents of the world. Via subsidiary companies and sales and trading partners Schütte's Sales Division also offers a wide-ranging commercial product line of machine tool products from outside Germany on the German market. Founded in 1880, this family-owned company is still under fourth-generation family management.

**Alfred H. Schütte GmbH & Co KG, Machine Tool Plant** · [www.schuette.de](http://www.schuette.de)

## The Basis of Quality Control

# Test Equipment Logistics with MPO

**Ask a manufacturing company about the value of quality, and you'll usually get the answer that it's one of the major objectives. To be sure, quality gets a lot of attention. Countless guidelines, regulations and standards worked out by lawmakers and purchasers must be adhered to by anyone who wants to remain among the top suppliers. They also are subject to the maintenance requirements of ISO 9000. Those who keep their testing equipment accurately calibrated and managed have good cards for keeping up with the frontrunners in the competition for quality.**

It is not unusual for thousands of items of measuring and testing equipment to be making the rounds at any moment in a production plant; they may range from simple calibration gauges and multimeters to digital presetting devices. It is certainly far from being the case that everyone knows right off the bat which measuring device is at which location at any moment and when the next calibration is coming. When an item becomes needed, a major search is initiated. It is almost impossible to keep track of all testing and measuring devices, service intervals, inspection schedules etc. manually. Stefan Schmid, Product Manager at TDM Systems, sums it up as follows: „Measurement and testing equipment can provide a reliable basis for quality control in production only when there is overview of geometric data, equipment conditions, calibration, and measurement checks“.



Superlative C-frame: Helmut Rinderle (left), testing and measuring expert at one of TDM's many customers, the Swiss company MOWAG in Kreuzlingen, shows TDM's Managing Director Jürgen Auer an extra large micrometer.

several innovations. Whenever external calibration work or repairs of measuring and testing equipment are scheduled, they can very easily be pulled together in a single order. Any deviations which are found are then documented, and it is made certain that the resulting error result can be traced back to its origin. „That means that the person in charge of QM in the production area always knows exactly where any piece of measuring and testing equipment is located at any time. This creates transparency,“ as Stefan Schmid says.

### Inventory and Compensation

Other important MPO innovations, among others, are the expanded test class type in the context of a 3-stage class structure; management of time remaining in the case of interstratified, decommissioned and reactivated measuring and testing equipment; the availability of a history of inspection schedules for tracking purposes. Also new is the fact that every item of measuring and testing equipment can be inventoried. To match this, MPO's clientele management features were expanded to include inventory data in addition

to master data and supplier data. Whereas measuring devices in the past were recorded and locatable on the basis of ident-numbers, they are now included by means of an inventory number in the inventory parts list. Finally, in order to improve measurement transparency, a compensation function is included for complex measurement values. „MPO converts complex laboratory measurement results into real values and useful measurement variables,“ according to Stefan Schmid; „One example is the pitch diameter in thread gauges.“

In the end, these innovations help ensure that TDM Systems' MPO software provides even better support for quality assurance in the production area. In a nutshell: those who have full control of their measuring and testing equipment can also produce quality.

### ! MPO in Brief

#### Functions

- Type-related management of equipment, including master data and inventory data
- Integrated DIN/ISO dimensional tables
- Pre-defined inspection schedules acc. to VDI/VDE/DGQ 2618
- Management of static and dynamic inspection intervals with display of measuring and testing equipment which is due
- Regression analysis for the optimization of inspection intervals
- Informative reports, including frequency of use and due dates for inspection
- Past history of testing and measuring equipment and inspection schedules
- Measurement compensation

#### Advantages

- Simplified system for transparent management of measuring equipment
- Measurement results are taken over automatically
- Measuring and testing equipment is quickly found by graphic search
- Time and cost saving with simple, structured data management

*TDM-Team*

## Uwe Haller has Surfaced at TDM

Uwe Haller (46), the new sales representative for Germany's Eastern region, has a hobby: apnoe diving. With no oxygen, equipped with only a snorkel, fins and a diver's mask, he dives down to depths of 15 meters below sea level. This gives a person the sense he can trust his body, his own performance, says the father of four kids who worked in the communication electronics sector until the reunification 1989.

He spent 15 years projecting individual organization systems at Leitz and selling them, along with administration software, to public administration authorities and industrial companies.

Now the native of Leipzig (in Germany's Saxony area) has applied himself to something completely new, namely tools, or, to be more precise, the distribution of software used to manage and organize tools. "I am grateful for having been given the opportunity to pursue this at TDM Systems and I will work hard to reward them for the trust they have placed in me", the sales man reports.

By the way, Uwe Haller is already the fourth Uwe at TDM Systems. For this reason his co-workers dubbed him "Saxony-Uwe" and he thinks that's fine. He now travels between Rostock and Zwickau almost daily, attending to his tasks connected with tool management software. And to ensure that he doesn't run out of oxygen too fast during complicated sales negotiations, he will continue to take a deep dive now and then. Breathe easy and good luck, Saxony-Uwe!



Uwe Haller – The new sales manager for TDM Systems in the "near" East brings TDM to its customers in locations from Saxony to Berlin

*TDM-Team*

## A Trio with Sport in Common

**Three new apprentices, whom we wish to introduce here, began their training at TDM Systems last September.**

They are led off by Sabine Berger (24 years old), graduate of a professional business school and formerly a trained hairdresser. Currently, she is in a course as commercial apprentice. When not on the job organizing schedules or writing up texts at our company in Tübingen, she is usually involved in some active sport: horseback riding, aerobics, and dancing are high on her list of favorite pastimes.

Carola Schmid is already a trained physical-technical assistant. Upon completion of her 3-year vocational training course at TDM, this 18-year-old colleague does an apprenticeship as IT Application Specialist. She is a nature-lover and dog enthusiast as well as a dancer at shows during the carnival season and at other events, and is always ready for a good time. She has also proved her endurance in reaching goals she sets for herself during a semi-Nordic Walking marathon.

The youngest of the trio, and enjoying it, is Tim Breuning. Now 18 years old, he too is undergoing vocational training at TDM as an IT Application Specialist. And, just like his



Enjoying their time as apprentice for three years at TDM Systems (right to left): Sabine Berger, future business communications specialist, Tim Breuning and Carola Schmid, future professional Computer Specialists for Applications Development.

female colleagues, he is always active in private life as well: his favorite pastimes are tennis, skiing, and playing music.



*Tool Data on Board*

## Ready for Take-Off

**TDM Systems software is a key factor in the success of GE Aviation Mechanical Systems in Los Angeles (formerly Smith Aerospace Actuation Systems), one of the world's leading aerospace and aeronautics engineering companies.**

GE Aviation Mechanical Systems provides not only high-precision components but also thrust reverse actuation systems and flight control systems worldwide for civil and military aircraft like the Boeing 737 and 787, the Airbus A380, the Joint Strike Fighter, the Eurofighter Typhoon, and others.

This business sector is highly innovative, and it is only natural that GE Aviation Mechanical Systems creates more than 75 new NC programs every year at its facility in Duarte, California. Every day, more than 275 employees there utilize more than 85 CNC machines with more than 3,000 tool assemblies and some 20,000 individual tool items. The company's annual tooling investment is more than three-quarters of a million dollars a year.

This is where TDM comes in. Our TDM Systems software makes it easy for GE Aviation to import and compile CAD tooling data from suppliers whenever necessary for new, special tools. Working together with TDM, GE Aviation has put together its own tailor-made tool software system, using the TDM Base Module and supplementary modules selected specifically from TDM Systems' wide range of software products. With these modules, for example, GE Aviation has interfaces to VERICUT simulation, to the Zoller presetting unit, and to AutoCAD graphics generated for the related tools within TDM.



Before coming to TDM, the California company had developed its own tool control system. This system, now in place for almost eight years, runs smoothly side by side with TDM and allows GE Mechanical Aviation Systems to track tool inventories.

Dave Knapik, the company's TDM administrator, is quick to point out why TDM has resulted in major improvements on GE Aviation's manufacturing floor. "For one thing, TDM has reduced our component scrap by ensuring that cutting tools are correctly assembled. What's more, the Zoller (presetter) interface provides us with correct offsets and makes sure they are available in the TDM database."

GE Aviation recently upgraded to TDM Version V4, and Dave is delighted with the TDM software's new features and performance. These include increased speed and shorter response times internally in building assemblies, especially in the

### **i** Company Close-Up

GE Aviation Mechanical Systems Duarte, Los Angeles part of the US GE Electric Company, Fairfield, Connecticut. The specialist for Aerospace arose from Smith Aerospace Actuation Systems. This company with a long tradition was founded in 1851 in London and taken over in May 2007 by GE.

With more than 320,000 employees worldwide and a turnover of approx. 150 billion US \$ GE is one of the leading companies in the branches Technology, Services, Media and Financials. Its product and service portfolio ranges from medical technology to aircraft engines, Financial services and Power Generation, Automation, technical synthetics, lightning technology as well as TV stations and domestic appliances.

**GE Aviation Mechanical Systems** · [www.ge.com](http://www.ge.com)

graphic generator area, and in tracking bills of material for assemblies.

Accurate, detailed documentation is essential in tracking the delicate components machined on GE Aviation Mechanical System's production floor, both for the company itself and for the end users whom the parts are sent to. Every operation for every component must be listed in an NCi (Numerical Control instructions) book created especially for that component. TDM software makes it easy to compile, fill out, display, and print this documentation, especially with the internal form sheet generation features offered by TDM. These form sheets comprise the bulk of the NCi books required at each machine for auditing the procedures.

As Dave Knapik explains, "One of the main advantages that I've seen personally from our utilization of TDM is the reduced time it takes our Manufacturing Engineering staff to compile information and do their job correctly. This aspect of the software is the key to GE Aviation's success in utilizing TDM correctly." This is also seen in the ability of the staff not only to properly prepare the front end of manufacturing, but to also track and properly execute correctly during the production process. This is where Dave Knapik feels that the capabilities of TDM allow GE Aviation to maintain a competitive edge in manufacturing.



Chris Rezny has been functioning as Midwest Program Manager at TDM Systems, Inc., IL, USA since 2006. He is located at the TDM office in Schaumburg, IL, together with the US based support staff. It is his responsibility to manage the existing customers and to increase the customer base in his area. Chris Rezny works closely with the corporate leadership team in Tübingen, Germany.



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TDM-Team

## Home-Grown with a Talent for Organization

To call her a „New Face at TDM“ is not altogether the case. Sarah Wiedmann has been a regular member of our team since 2004. She came to us fresh from school and began her vocational training as commercial apprentice at our company. During her three-year training period at TDM, one of Sarah Wiedmann's many strengths became ever clearer: „I just have a knack for organization,“ she now says at the age of 19.

Of course it's necessary to hold on to this kind of talent, and therefore we brought Sarah Wiedmann on board right after the end of her apprenticeship. Recently she became our new TDM office representative for internal sales, with special emphasis

on the export area. Whenever our field staff team works out offers for potential customers in Europe or for TDM Inc., our American subsidiary in Chicago, its members know they are supported with might and main by Sarah Wiedmann.

Above all, she is at her best when it is time to organize. Whenever our „Foreign Ministers“ are in the air and on the way to meetings worldwide for TDM software, they always know that things will go smoothly: after all, with Sarah Wiedmann they have a Girl Friday who leaves nothing to chance.

„I take care of flights and hotel reservations and even order the taxi,“ she says. „I'm in my element!“



Girl Friday for our field representatives in the export area: Sarah Wiedmann, our new sales assistant

TDM-Team

## Saddle-fast in (technical) support



The new member of the support team at TDM Systems has a comprehensive understanding of tool technology.

When he gets onto his bike or jogs in the woods, Rüdiger Kull pursues one goal: physical fitness. And at age 29, this is something he can count on. It's a good thing too, for he must be fit every day when he gives advice to TDM customers on the telephone, assists them in installing software and conducts trainings.

The ambitious hobby sportsman recently joined TDM's support team. "A real challenge every day," says Rüdiger Kull, who already showed he was up to the challenge as a fine work mechanic and mechanical device technician at the Max-Planck-Institute in Tübingen. There he got the opportunity to expand his manufacturing expertise. Of course, now he is able to benefit from that at TDM, where he deals with tools every day.

Since completing his training as a certified mechanical engineering technician at the Ferdinand-von-Steinbeis-Schule in Reutlingen, he has proved

to be saddle-fast in terms of everything concerning tools. His course of study covered a whole range of subjects from manufacturing technology, CAD and information technology down to tool and automation technology. "As a mechanical engineering technician, I am familiar with the demands put on manufacturing processes by the customer," says Rüdiger Kull confidently. "I was looking for an interesting and multi-faceted field in which I could optimally apply the competence I acquired while training to become a technician".

He has found it at TDM. Well then, ready to go!

The 2008 TDM User Meeting at Sandvik Coromant

## Let's go to Düsseldorf!

After organizational reasons prevented the meeting from taking place last year, the worldwide community of TDM users is looking forward eagerly to the meeting's comeback in 2008 on the storied Rhine River. Users and fans of TDM met in Düsseldorf, Germany, on Wednesday, March 19, 2008, on the premises of their host, Sandvik Coromant GmbH. As always, interesting presentations waited for the visitors, as well as an attractive entertainment program, including the traditionally meeting of TDM friends on the evening before. See you on the next TDM event!

### Back to the Roots!

Bettina Heck and her team ensure perfect organization. She took over the job of internal sales and marketing manager at TDM Systems in the summer of last year, in addition to her many other duties in the sales area, and is responsible for supporting our sales partners and for helping to organize trade shows and public events. In addition, she supports with great engagement the company's public relations activities and fills in for Daniela Rudolf, who has currently given birth.

But the task area and the surroundings were not altogether new to Bettina, and most of her new colleagues in Tübingen recognized her immediately.

After completing her vocational training and working as an assistant to the management of a middle-sized soft- and hardware retailer, she worked for TDM for two years. Then, after a two-year intermezzo at the vocational college of Business Administration in Reutlingen, where she returned to us as a Certified Business Economist.



As at the last meeting of the TDM Users' Club at Walter AG in Tübingen (Photo), visitors this year can look forward to both metal-cutting and cutting-edge topics!

### Info TDM Interessenverband

The TDM Users' Club was founded on January 31, 1996, originally in order to offer a meeting place for German-language users and fans of TDM Software where they could exchange their experiences and information. Since that time, international customer forums have sprung up, like the TDMclub and NAUG (The North American Usergroup). The meetings of these groups give our customers an exclusive look at innovations in our software and our company, with a chance to directly influence our upcoming software features and developments. The meetings take place on an annual basis and are always hosted by a different company, which may be either one of our customers or a partner company.

Membership in the TDMs Users' Club is open to all customers and is free of charge.

Have we roused your curiosity? Please direct your questions concerning the TDM Users' Club or our other customer forums to Bettina Heck:

Phone: +49.7071.9492-291

E-Mail: [bettina.heck@tdmsystems.com](mailto:bettina.heck@tdmsystems.com)



Certainly one of the more pleasant aspects of customer contacts: good partners at a good meal. Bettina Heck (Marketing) and Mr. Fink, Ph. Dr. (Director International Sales) during a visit to TDM's customer TORNOS in Moutier, Switzerland.

## TDM Software Training

Training	Date
TDM Basic Module V4	31.03. - 02.04.08
TDM Tool Crib Module V4	03.04. - 04.04.08
TDM Basic Module V4	05.05. - 07.05.08
TDM Tool Crib Module V4	08.05. - 09.05.08
TDM System User V4	23.06. - 24.06.08
TDM Form Generator V4	25.06. - 27.06.08
TDM Basic Module V4	07.07. - 09.07.08
TDM Tool Crib Module V4	10.07. - 11.07.08
TDM Basic Module V4	15.09. - 17.09.08
TDM Tool Crib Module V4	18.09. - 19.09.08
TDM System User V4	13.10. - 14.10.08
TDM Form Generator V4	15.10. - 17.10.08

**Attention:** All Training lessons are taking place in Tübingen, Germany, language of teaching is German. We also offer training lessons in French, Italian and English language. Get more information under [support@tdmsystems.com](mailto:support@tdmsystems.com).

## Trade Shows & Events

Event	Date
TDM User Meeting, D-Düsseldorf	19.03.08
MACH, GB-Birmingham	21.04. - 25.04.08
VERK-TYGS, S-Göteborg	06.05. - 09.05.08
IMTS, US-Chicago	08.09. - 13.09.08
AMB, D-Stuttgart	09.09. - 13.09.08
PRODEX, CH-Basel	18.11. - 22.11.08

## Actual TDM Versions

Module	Version
TDM V4	4.2.2
TDM Data and Graphic Generator	4.2.2
TDM Gauge and Calibration Module	4.2.2
TDM Facility and Maintenance Management	4.2.2
TDMstoreasy	4.2.2

## Imprint

### TDMMessage Issue 01-2008

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TDMMessage appears semiannually and can be subscribed to through TDM Systems GmbH.

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