Mensch und Maschine Software SE

Company Presentation Status November 29, 2019 / Nine months report 2019





Business model

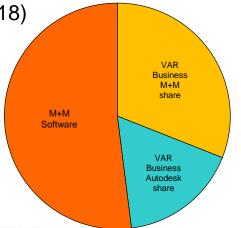
Leading vendor of CAD/CAM/CAE/PDM/BIM solutions

- CAD/CAM/CAE = Computer Aided Design / Manufacturing / Engineering PDM = Product Data Management / BIM = Building Information Management
- Founded 1984 35 years on market // IPO 1997 22 years public
- Gross Margin from two Segments (Contribution 2018)
 - M+M Software: Proprietary Standard Software
 - > 52% of gross margin from self-developed CAD/CAM, BIM, CAE Software

VAR Business: Customized Digitalisation Solutions

- > 31% of gross margin from M+M Solutions / Training / Service
- Just 17% gross margin contribution from Autodesk business (compared to 2001: >75% / 2008: >50%)
- Altogether 83% of group gross margin is proprietary

CAD as CAD can





Business model

Asia/ America

Swiss

Austria

GER

Europe other Geographical sales contribution: (2018)

Germany: EUR ~83.5 mln / ~45%

- Austria/Switzerland: EUR ~37.5 mln / ~20%
- Europe (other): EUR ~48.2 mln / ~26% France / Italy / UK / Poland / Romania / Iberia
- Asia/America: EUR ~16.2 mln / ~9% Japan / China / India / APAC / USA / Brazil (until 2018 CAM Software only / from 2019 also SOFiSTiK)
- Headcount: (Full time equivalent 9M/2019)
 - 918 (PY: 818 / +12% or +2.2% organic)
 - > 456 / 50% M+M Software
 - > 462 / 50% VAR Business
 - Gross headcount at Sep 30, 2019: 1,000

CAD as CAD can

CAD as CAD can

Business model

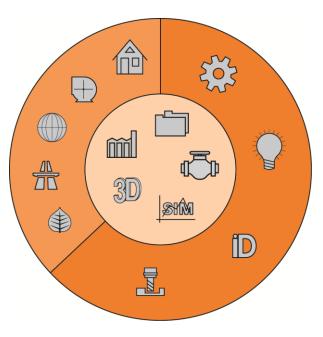
Broad industry balance:

- ~2/3 Industry: e.g. Mechanical/Electrical Engineering, Tool/Mold/Die Making, Automotive/Aerospace/Shipbuilding, Industrial design
- ~1/3 BIM: e.g. Architecture, Building Services, Structural/ Civil Engineering, Infrastructure, Gardening/Landscaping
- Interdisciplinary: e.g. Digital Factory, PDM/PLM, Simulation, Plant Design, Visualization/Animation

Extensive installed base:

>100,000 active seats @ more than 30,000 customers

- Wide price/performance range:
 - > Software from 1,000 Euro to over 100,000 Euro per seat
 - > Pure B2B Business, only professionals, no consumers

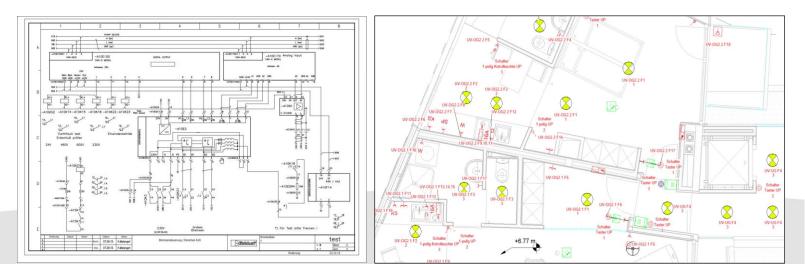






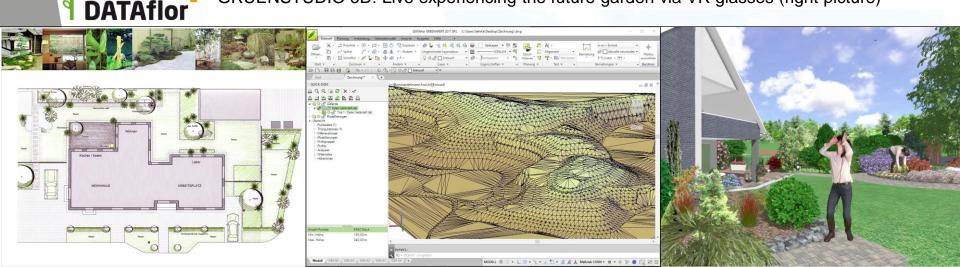
CAE – Computer Aided Engineering

- Actual product: ecscad until 2008 M+M Software, end of 2008 sold to Autodesk – since 2014 licensed back and developed / supported by M+M
- Newly developed: eXs fully data- and largely user interface compatible
 - High performance database, more functionality, simpler usability, free configurability
 - For Industry disciplines electrical and process engineering, hydraulics and pneumatics
 - As well as for all building services disciplines in BIM projects
 - For ecscad maintenance customers free automatic license transition





- Gardening / Landscaping / Earthworks for Architects and Implementors
 - M+M Subsidiary DATAflor, Goettingen
 - Integrated software solutions not only containing graphical planning but also calculation, tender, quoting, construction site controlling and billing
 - Two examples from the extensive functionality:
 - Digital terrain model: Comfortable three dimensional landscape design (middle picture)
 - GRUENSTUDIO 3D: Live experiencing the future garden via VR glasses (right picture)



New in 2019: BIM, Structural Analysis and Reinforcement

- Strategic shareholding in SOFiSTiK AG increased from 13.3% to 51%
- Share swap, Founders/Management staying on board with 49% shareholding
- SOFiSTiK (est. 1987) is a technology leader in bridge, tunnel and building construction
 - In more than 30 years, thousands of construction projects have been realised an calculated with SOFiSTiK software, e.g. BMW-Welt Munich, new Bosporus bridge, Brasilia National Stadium...

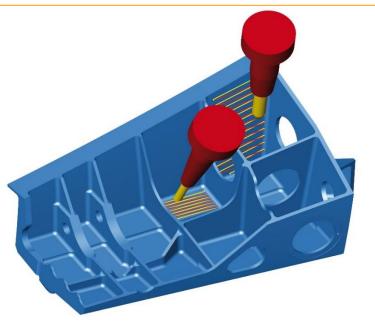


The new **SOFiSTiK Bridge Modeler** supports parametrized 3D bridge design, detailing and analysis, fully compatible to BIM standards, as it will e.g. be mandatory in Germany beginning 2020 due to the German Ministry of Transport and Infrastructure.

SOFiSTiK

CAM – Computer Aided Manufacturing

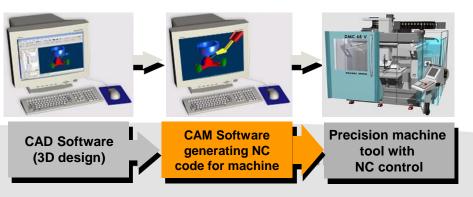
- Subsidiary Open Mind Product line hyperMILL
- High end: Average revenue approx. EUR 30,000 per seat
- CAM is contributing ~40% of group gross margin



Precision machine tools' purchase prices are in the six or seven digit Euro range. hyperMILL reduces milling times by up to 90% through intelligent machining strategies, pushing return on investment for these expensive machine tools to completely new dimensions.

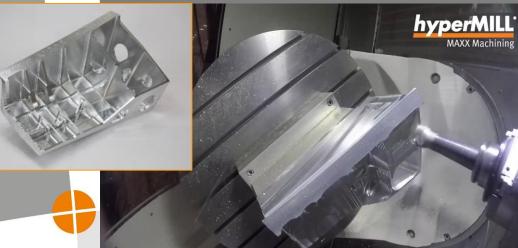




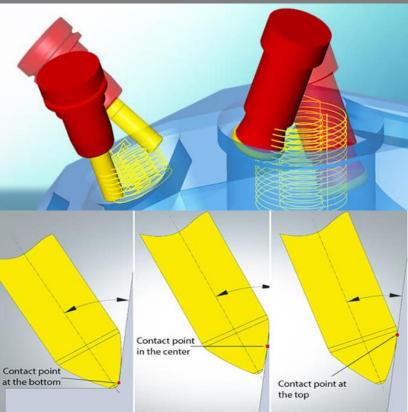


Up to 5x faster material removal by 'helical' roughing. Flat surface finishing up to 10x faster by using special conical cutters with slightly convex curvature. Milling time for this lightweight aerospace part: 2h05min instead of 10h30min => 80% productivity gain.

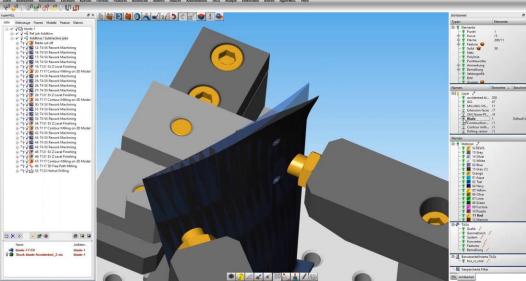
Total 80% productivity gain: 2h05 instead of 10h30

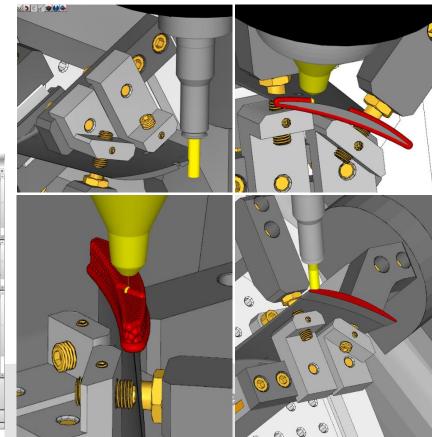


78% faster roughing + 90% faster flat surface finishing:



CAM (subtractive) meets 3D printing (additive): New hybrid machine tools with an LMD device (Laser Metal Deposition) combine the advantages of 3D metal printing (building parts from scratch) and 5-axis milling (finishing defined surfaces with high accuracy) without re-clamping. hyperMILL now supports this process holistically. Example: Hybrid repair of a turbine blade without re-clamping.



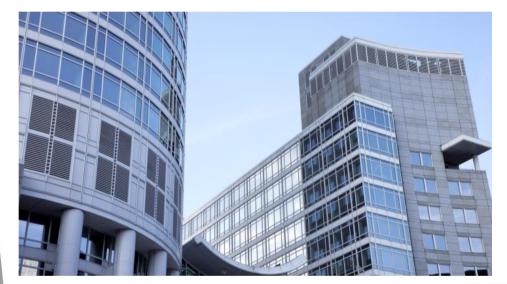


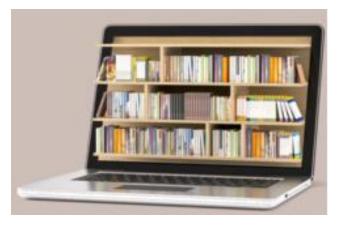
Some CAM Key Customers



CAD as CAD can

 Example BIM – Building Information Modelling / Management: Digital Building Manual for Facility Management









Example: Infrastructure/BIM – Steel plant becoming 'Digital Factory' Large project since 2010 including over a dozen modules totally representing several man-years. Here: GPS aided locomotive tracking on the factory premises



Customer: HKM Hüttenwerke Krupp Mannesmann, Duisburg-Huckingen, Germany



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CAD as CAD can

Example: Data Management for a train operator
 Integrated system for design, data management and Office



Customer: BLS Bern-Loetschberg-Simplon Bahn AG, Bern, Switzerland







 Fully automated variant design with customX - for >90% productivity gain Project examples: Electric distribution boxes and Diesel filters



Example: Industry 4.0 meets BIM
 BIM compatible catalog data for large kitchen planning



Customer: Rational AG, Landsberg, Germany

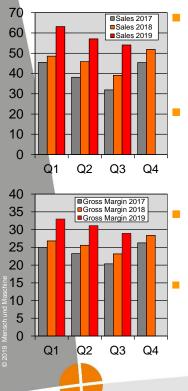




Some VAR Business Key Customers



Sales & gross margin



Sales 2018: EUR 185.40 mln / +15%

- M+M Software: EUR 55.73 mln / +10.4%
 - VAR Business: EUR 129.67 mln / +17.5%
- Normal seasonality (Q1/Q4 strong, Q2/Q3 catching up)

Record gross margin 2018: EUR 103.91 mln / +9.6%

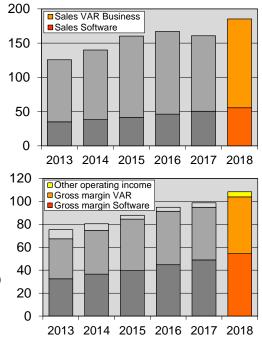
- M+M Software: EUR 54.36 mln / +11%
- VAR Business: EUR 49.55 mln / +8.0%
- Gross margin seasonality smoother than for sales

Sales 9M/2019: EUR 174.27 mln / +30% (organic +23%)

- M+M Software: EUR 54.73 mln / +37%
- VAR Business: EUR 119.54 mln / +28%
- Record gross margin 9M/19: EUR 93.03 mln / +23% (org. +12%)

CAD as CAD can

- M+M Software: EUR 51.18 mln / +31%
- VAR Business: EUR 41.85 mln / +15%



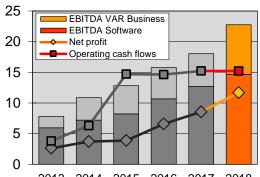


Earnings / cash flows / dividend

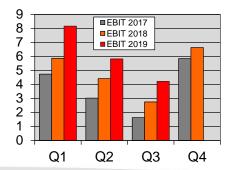
- Record EBITDA 2018: EUR 22.75 mln (PY: 18.04 / +26%)
 - EBITDA yield: 12.3% (PY: 11.2%)
 - M+M Software: EUR 14.68 mln (PY: 12.69 / +16%) / yield 26.3% (PY: 25.2%)
 - VAR Business: EUR 8.07 mln (PY: 5.35 / +51%) / yield 6.2% (PY: 4.8%)
- Record EBIT 2018: EUR 19.66 mln (PY: 15.21 / +29%)
- Record net profit 2018: EUR 11.69 mln (PY: 8.55 / +37%)
 EPS 71.5 Cents (PY: 52.5)
- Operating cash flows 2018: EUR 15.23 mln (PY: 15.22)
- Dividend for 2018: 65 Cents (PY: 50 / +30%) in cash or shares

EBIT seasonality, as EBITDA 19/18 is not fully comparable due to IFRS16

- Record EBIT 9M/2019: EUR 18.19 mln / +40% (organic +23%)
 - M+M Software: EUR 12.18 mln / +35%
 - VAR Business: EUR 6.00 mln / +49%
- Record net profit 9M/2019: EUR 10.91 mln / +38% (organic +29%)
 EPS 65 Cents (PY: 48)
- Record operating cash flows 9M/2019: EUR 20.04 mln / +82% (organic and adjusted by IFRS16 +32%)

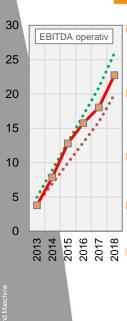


2013 2014 2015 2016 2017 2018





Review & Outlook

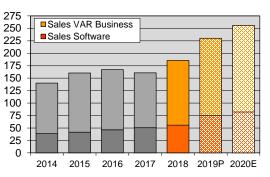


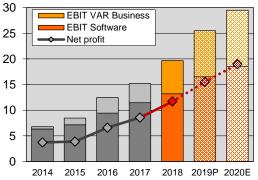
Gross Margin 2013-2018: EUR +36.4 mln / +54%

- +9.0% organic Gross Margin growth p.a. (target was 10%) Spread from 3.7% (2017) to 13% (2015)
- EBITDA purely operating 2013-2018: EUR +18.9 mln Spread from EUR +2.3 mln (2017) to EUR +4.9 mln (2015)
- EUR +3.8 mln p.a. (target range until 2017 EUR +3-4 mln / 2018 +4-5 mln)
- Gain 52%: 1 EUR Gross Margin >> 52 Cents EBITDA ✓ Profit optimized growth through active cost control management
- 2019 ff: Sales / EBIT targets replacing Gross Margin / EBITDA
- IFRS 16 moving leasing expenses to depreciation => EBITDA 19/18 not comparable

CAD as CAD can

- 2019P: Organic growth plus SOFiSTiK acquisition
 - Sales +20-30% to EUR 222-240 mln / Guidance increased
 - EBIT +22-33% to EUR 24-26 mln
 - EPS +25-34% to 89-95 Cents / Dividend +18-28% to 77-83 Cents
 - 2020E ff: Sales +10-12% / EBIT EUR +3.5-5.0 mln p.a.
 - EPS +18-24 Cents / Dividend +15-20 Cents p.a.



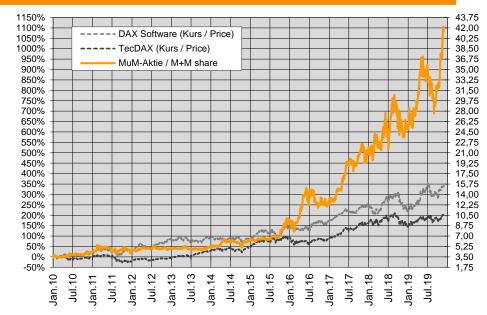




The M+M share

- Listings:
 - scale, Frankfurt (scale30)
 - m:access, Munich
- Designated Sponsors:
 - LBBW, Stuttgart
 - Oddo Seydler, Frankfurt
- Analyst Coverage:
 - LBBW: "Buy" fair value EUR 39.00
 - SMC Research*: "Buy" fair value EUR 38.50
 - EDISON*: scale research report no price tag *available in English language

M+M is both a public and private company



Total dividends paid since 2010: EUR 2.65



8,4%

Treasury stock

2.2%

Free Float

45.2%

Drotleff

44,2%



Why invest in M+M ?

M+M is a leading vendor of technical software solutions

- Founded 1984 35 years of established market position
- More than 30,000 customers worldwide
- Private and 22 years public company
- Sustainably profitable growth / well scalable business model
 - Organic growth (CAGR): long-term average approx. 10% p.a.
 - EBIT yield 2018 was 10.6% mid-term potential >14%
 - 18-24 Cents p.a. EPS growth target secured by strict cost management
- Good dividend return due to high pay-out ratio
 - Low CAPEX, as the lion's share of software development is not capitalized
 - Founder/CEO Adi Drotleff swapping the majority of his dividend rights to shares every year





Thank you for your attention! For more Information: www.mum.de / Investor Relations



