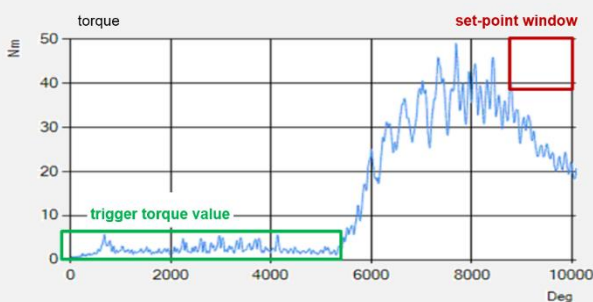


# Analyser® for robust products & stable processes

The Analyser® is a fully automated AI software and ensures error-free, robust products and stable processes.

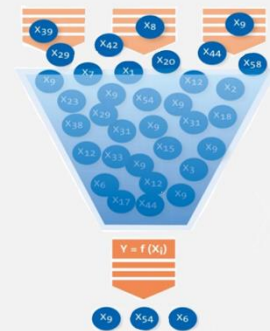
It is used across industries for development, production and assembly and it processes all product validation and process curves, as well as individual values from sensor data. The Analyser® includes two modules:

## Curve Module



## Transfer Function Module

≥ 200 possible influencing variables  $X_i$



### Digital Production Assistant

- Recognizes failure types automatically and provides failure causes, solutions and measures in real time
- The employees can immediately take targeted measures and prevent further rejects
- Self-learning module so that successful measures can be reported back to the Analyser®

- ✓ Fast and targeted measures instead of costly production stops
- ✓ Support of employees in real time
- ✓ Reduction of rejects, failure and rework costs, as well as warranty risks
- ✓ Support in process parameterization for product start-ups and prototypes

### Analyzes causes of cost and quality problems

- Uncovering unknown cause-effect relationships between quality characteristics  $Y_n$  and influencing variables  $X_i$   
→ Generation of transfer function  $Y_n = f(X_i)$
- Transfer function is used to control and regulate the product and process parameters for robust products and stable processes
- Prediction model for Predictive Maintenance und Predictive Analytics

- ✓ Increased efficiency in resources, materials and energy
- ✓ Reduction of rejects, failure and rework costs, as well as warranty risks
- ✓ Reduction of product manufacturing costs by opening tolerances
- ✓ Securing development and series start-up

## Application examples



Causes of failure and warranty risks are not recognized, measures are in vain



Failures in development, series start-up and production are not recognized (quickly enough)



Cost-intensive production stops & non-transparent corporate knowledge



Increased costs for failures, rework and warranty



Rejects lead to increased resource, material and energy consumption



Manufacturing costs are too high for competitiveness

## Further information and consulting options



### We uncover your cause-effect relationships

We offer you the possibility to analyze your topics and root causes based on your data in advance free of charge.

Simply contact the Executive Assistant::

stefanie.marzocca@mts-contech.com



### Do you have any questions?

Simply arrange a free phone call with our experts:

+49 (0) 8141-88 84 0312



### Our workshop day

We support you in your digitization project: We determine your first multiple prediction models so that you can actively control your influencing variables for sustainable quality and cost reduction.