

## The intelligent Machine Benchmark

Darwin, the intelligent **machine benchmark**, learns a virtual **ideal process** on the basis of PLC data from several machines, compares these machines and thus provides a **target value for the fastest possible production process**. Based on this, Darwin continuously generates concrete recommendations for **reducing cycle times**. This also provides maintenance with an **early warning system** at component level to prevent unplanned machine failures and run each machine at the optimum at all times.



Machine  
Comparison &  
Process Analysis



Detection of  
anomalies in  
the program  
sequence



Potential  
Identification



Early  
Warning System

## Results

- Increase in output per time per machine by reducing cycle time by 6 - 18 %
- Identification of real possible target value of benchmark cycle time
- Early warning system before technical breakdowns
- Effective planning of maintenance and process optimization actions

