

















DataProphet PRESCRIBE is a unique deep learning solution that can prescribe optimum plant control parameters, often resulting in 50% or more reductions in the cost of non-quality, through a customized single model approach, while taking into account higher order effects.

Our AI solution for the manufacturing industry is aimed at achieving zero defects in the production process. Using advanced predictive and prescriptive machine learning capabilities, DataProphet can predict defects, faults and quality errors and prescribe optimum control parameters to improve production.

2%
TOTAL BUSINESS COSTS
SAVED WITH NO
PROCESS CHANGES

0%

**4-6**WEEK DEPLOYMENT

12 MONTHS TO 5 YEARS HISTORIC DATA ANALYZED

5%
PRODUCTION INCREASE

PRODUCT TRACEABILITY

1M+ RECORDS &
100K+
FEATURES

"It all makes sense. I am just amazed at the difference small process variation makes. But all the 'directions' of the variation that gives better results makes sense and matches theory."

-CEO, MANUFACTURING CLIENT



#### **FEATURES**



## Optimization

DataProphet
PRESCRIBE provides
dynamic optimisation
of your process control
system and helps you
reduced loss to
non-quality in your
production line. the
solution achieves this
through the active
minimization of
manufacturing risk.



#### **Reduce defects**

Defect occurrence is significantly reduced thanks to probability predictions that enhance existing quality control systems.



# Transfer best practices

DataProphet
PRESCRIBE provides
distillation and
maintenance of
institutional knowledge
embedded in your
process data. This
feature helps you to
more easily transfer
best practices between
experienced and
inexperienced process
operators.



## **Easy integration**

DataProphet
PRESCRIBE readily
adapts to your
manufacturing
environment and
integrates with all
common platforms
and floor
management
systems.



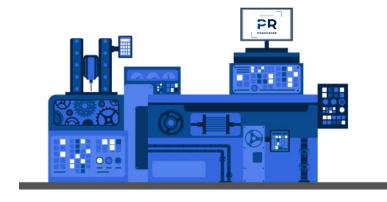
#### Simulation

DataProphet
PRESCRIBE provides
you with a learnt
digital twin for your
factory that allows
engineers to simulate
the impact of process
changes on
production output

# Implementing DataProphet PRESCRIBE in your factory

It takes four to eight weeks to deploy DataProphet PRESCRIBE in your factory since it needs to be configured to integrate with your unique manufacturing process and infrastructure. At DataProphet, we know that every factory is different and the importance of process parameters may differ significantly from one facility to another.

The integration process primarily involves building the machine learning models that will process your data and extract the most value from it.



# **Continuous improvement**

DataProphet PRESCRIBE uses your historical process data to learn ideal process parameters for your production line. It will prescribe optimal parameters as soon as it goes online. As part of the implementation process, our team of data science experts will continually work to improve your installation, helping you reach your Industry 4.0 ambitions.

As a customer, you choose which Industry 4.0 technologies our team implements in your factory. Our team will work continually to improve your system to provide the best possible return on investment.

