





V-factory Industry 4.0



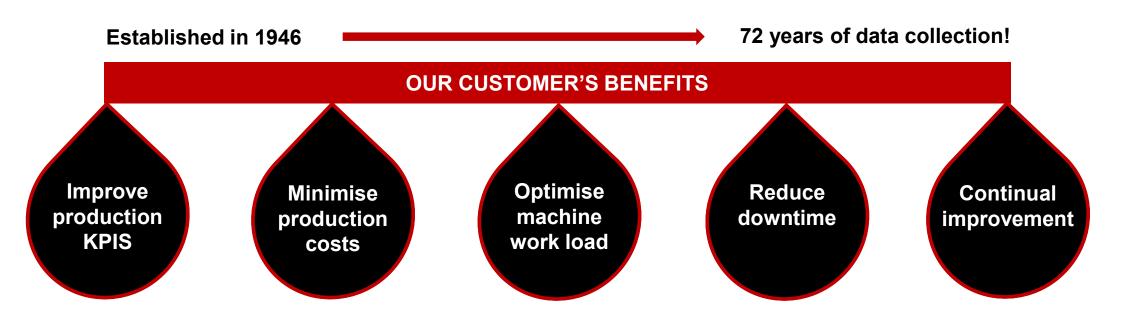


"Oil changed the world in the 1900s. It drove cars, it drove the whole chemical industry. Data, I look at it as the new oil. It's going to change most industries across the board."

Brian Krzanich – INTEL CEO







"Growing together with our customers"



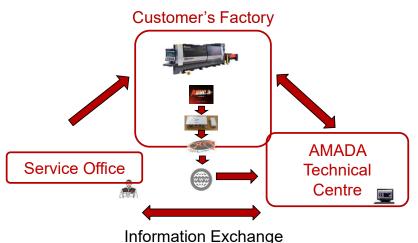
Product Evolution



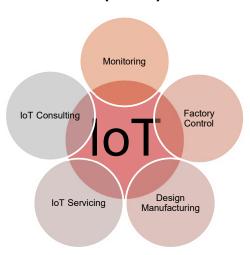
vFactory (2005)



ADIS/ADSS (2015)



V-factory (2018)



Features:

- Factory overview
- Process results
- Material flow
- Discontinued product
- Production monitoring

Features:

- Monitoring of serious alarms
- Machine condition
- Remote alarm diagnosis
- Change from reactive to proactive support
- Monthly generated production reports
- Proactive machine monitoring

Features:

- vFactory features (1-2)
- ADSS features (1-4)
- Real time data
- Improved concept
- Industry 4.0 software with enhanced production monitoring
- Proactive machine monitoring and connection
- Faster and more accessible data



V-factory CONCEPT (2018)



HARDWARE PRODUCT:

V-factory Connecting Box



V-factory Connecting Box

SOFTWARE PRODUCTS:

My V-factory online platform KAIZEN



Kaizen

OPTIONAL PRODUCT:

V-Monitor



Drive Recorder





My V-factory

Machine Condition



V-factory - Data Flow



Production









Data collection



V-factory Connecting Box



My V-factory website



PRODUCT for customer use



AMADA Remote Navigation

PROACTIVE SERVICE provided by AMADA



Machine Data Collection





Machine Depreciation

Maintenance

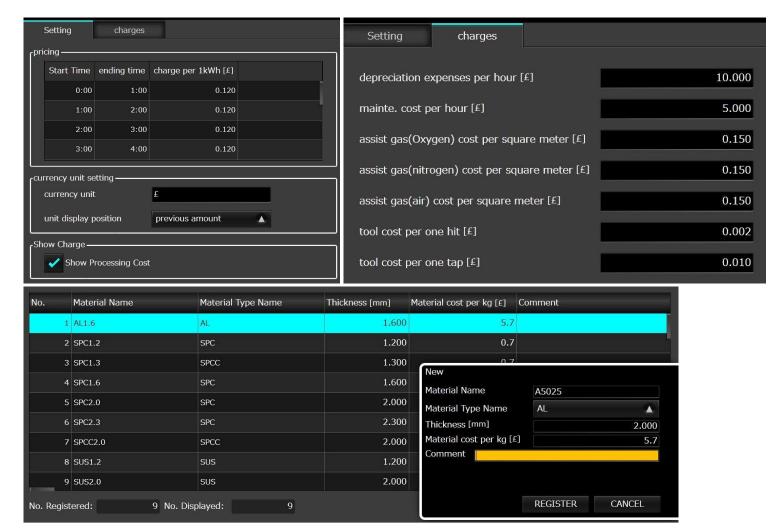
Assist Gas

Tooling

Material



Running Costs

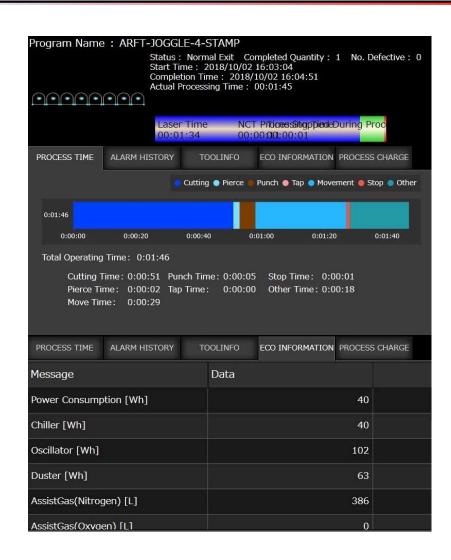


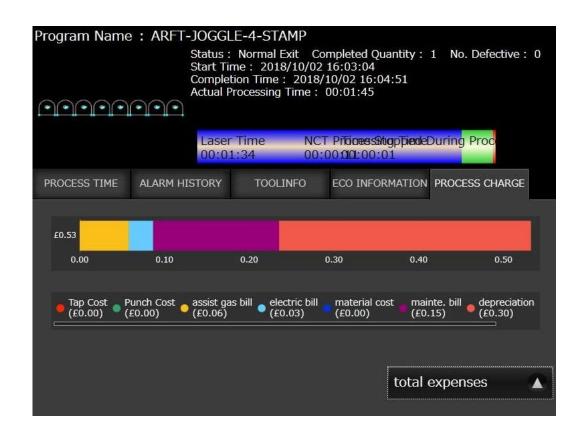


*Data collection varies by machine type and control generation

Machine Data Collection - Example



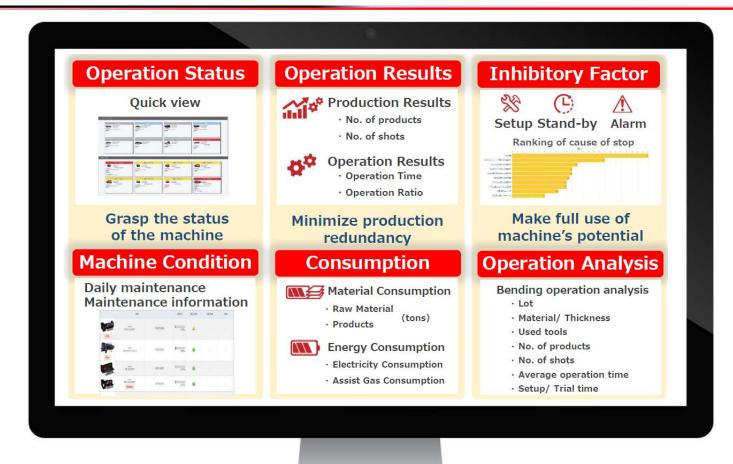






My V-factory Portal [Operation Information]

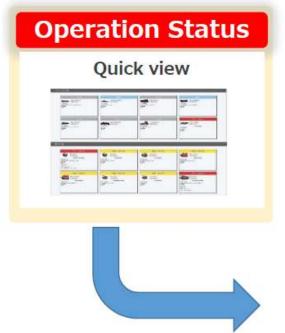


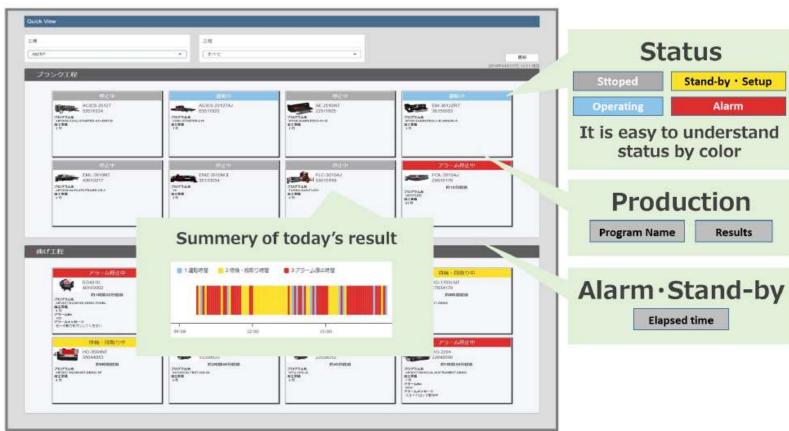




My V-factory Portal [Current Operation Status]











Core benefits;

- Real time accessible data to use for continual improvement and improved decision making
- Increase machine uptime through Amada proactive machine monitoring and remote connection



