

RS PRODUCTION MES INTEGRATIONS



ERP (incl MPR, APS, WMS)

- Production Orders
- Order queue w prio
- Articles (products)
- Article properties
- Bill of material
- Machine calendar
- Order/operation status
- Produced, Scrapped, Approved amount
- Amount ready for stock
- Machine time, change over time
- Cycle times and time per unit
- Downtime, Scrap with reason codes

BI / EXCEL

- Order times and amounts
- Workshit times and amounts
- Downtimes, scraps w loss reason codes
- Cycle times and time per unit

This is a selection of typical integrations in a RS Production MES using both standard and custom integrations.



- Start/stop orders
- Perform checklists
- Register amounts
- Register materials
- Loss reason coding
- Call for andon

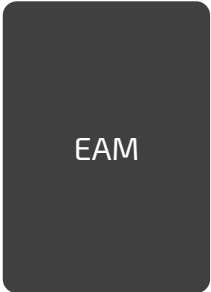


RS PRODUCTION

Order execution, Instructions and controls, OEE/ downtime, andon/escalation, track and trace



- Machine cycle counter
- Machine uptime
- Machine downtime (breakdowns)
- Work order requests



- Work order status



- Uptime / downtime
- Machine cycle counter
- Scrap counter
- Rework counter
- Automatic reason code
- Uncategorized stop

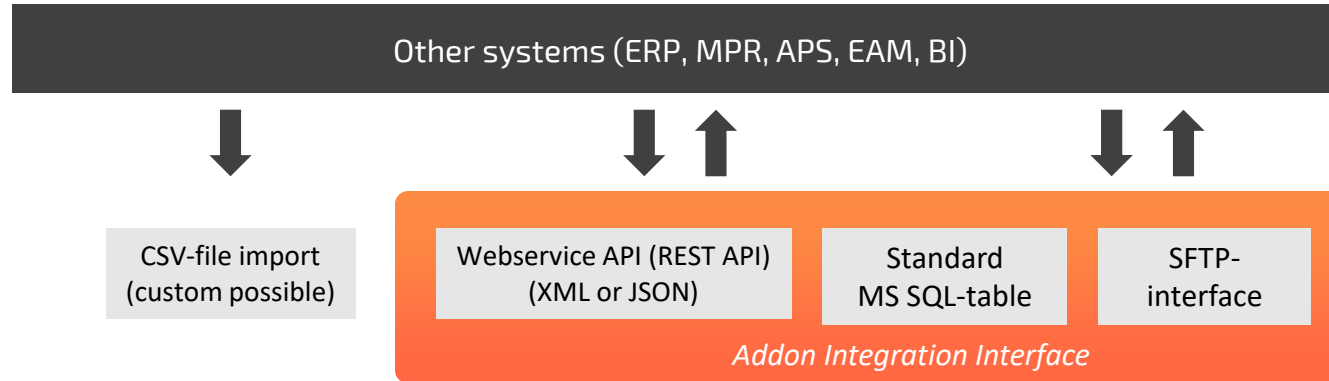
RS Blackbox



- Current article/product
- Uptime / downtime
- Machine cycle counter
- Scrap counter
- Rework counter
- Automatic reason code
- Process values and measurement
- Current article/product
- Machine recipe
- Machine settings

OPC UA / OPC DA

RS PRODUCTION MES INTEGRATIONS

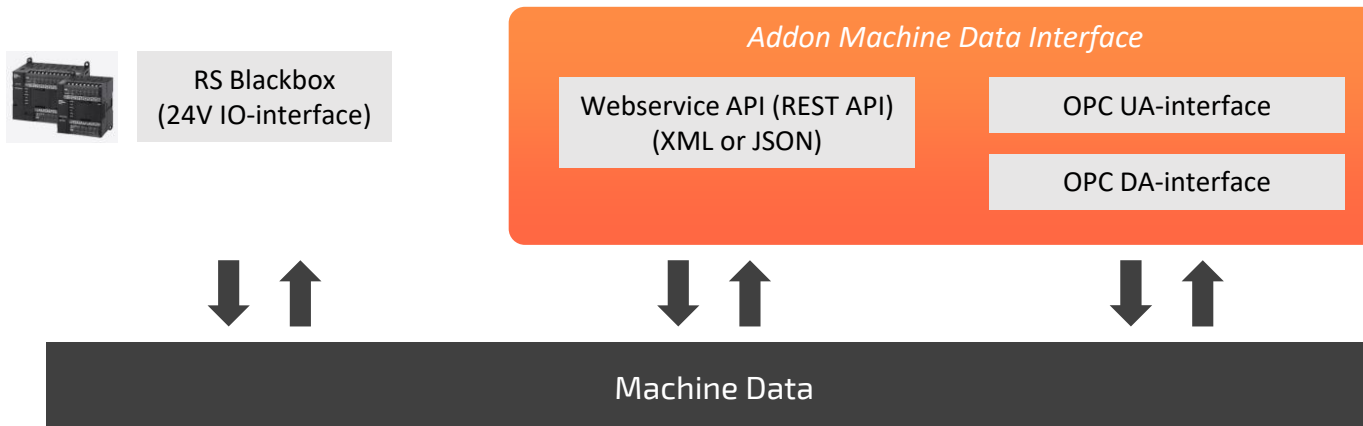


This presents the different integration interfaces in RS Production.



RS PRODUCTION

Order execution, Instructions and controls, OEE/ downtime, andon/escalation, track and trace



EXAMPLES OF INTEGRATIONS

ERP-integrations

One way

Import orders and articles in real time. Operator start/stop orders in RS Production but nothing is reported back to ERP.



*Production plan
Article data*



Order sniff

Operator **do not** start/stops orders in RS Production. The integration gives RS Production real time info on active orders on each machine.



Active order status



Two-way MES

RS Production becomes the operator's interface for the ERP. The integration updates the ERP in real time with order data (times and amounts)



*Production plan
Order status (times, amounts)
Ready products*



RS PRODUCTION

EAM-integrations

Machine integration

Trigger work orders based on real running time and machine cycles. Per machine and per article(product)



*Uptime (per machine, per tool)
Number of cycles (per machine, tool)*



Work order

Operator uses a form in RS Production to request a work order.



*Machine (id)
Type of job (id)
Information text*



RS PRODUCTION

