

Maintenance in the digital value chain



Is this your way of performing maintenance?

Don't worry, You are not alone. But there is another way.

For example, with the digital maintenance process. This allows you to document all planned maintenance as well as fault-related repairs, including all components and spare parts used. Everything is entered seamlessly.

How does this benefit your production?

Digital documentation of the maintenance process with images creates clarity

Optimal information flow

between production and toolmaking

Easily derive tool analyses

from digital maintenance data

Exact downtimes of the tools

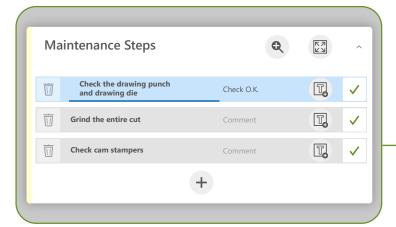
based on the recorded machine cycles

Documenting maintenance has never been easier

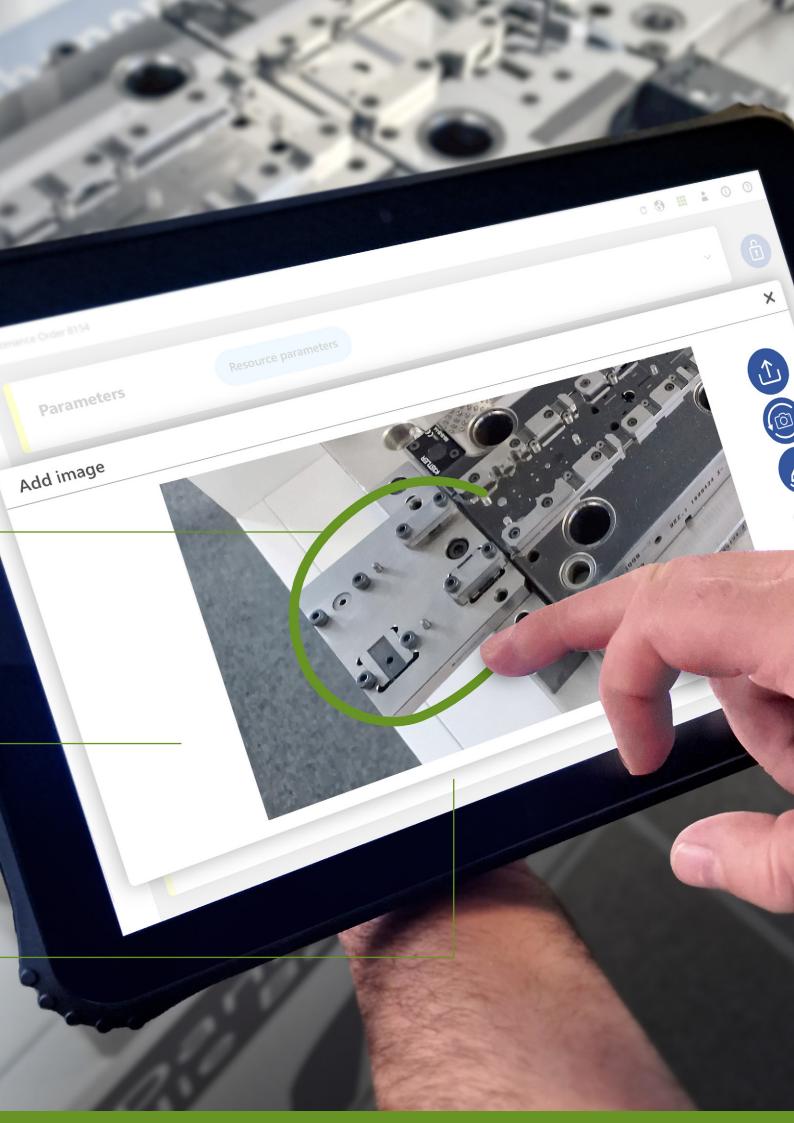
Maintenance or repairs can be easily initiated using a QR code. All necessary documents, drawings, work instructions, or videos are available digitally.

Depending on your preference, you can check off the maintenance steps you have performed using either the simplified or detailed checklist entry. Each maintenance task can also be supplemented with images and comments for optimal documentation. This allows you to track every step seamlessly. Take a picture and mark it

Select comments from text templates



off your checklist or maintenance schedule





Name	Number	Storage	Label	Description	Spare parts list	Minimum stoo
Base plate	E06372	Storage 3	GP-E06372	-	ETL-E06-003	2
Top plate	E06837	Storage 6	KP-E06837	-	ETL-E06-006	6
Clamping plate	E06214	Storage 1	ASP-E06214	of ASP-2	ETL-E06-00	2
Lifter	E06063	Storage 9	H-E06063	-	ETL-E06-009	5
Punch	E06845	Storage 7	L-E06845	of DIN 983526	ETL-E06-007	2
Cutting die	E06694	Storage 1	SF-E06694	of SF-24	ETL-E06-00	2
Insert emboss	E06687	Storage 5	EP-E06687	of DIN 982534	ETL-E06-00	3
Cutting punch	E06378	Storage 10	SST-E06378	-	ETL-E06-010	2

Full control over spare parts

Whether purchased spare parts or those manufactured in your own tool shop, your spare parts are always neatly stored and listed. Separate lists are therefore no longer necessary.

Manage inventory, costs, and storage locations at a glance. With digital spare parts management, you can always track which spare part is used where and how, or where it can be found and in what quantity.

Simply select the required spare part from the list during maintenance and add it to your maintenance task. Thanks to automatic inventory monitoring, you can always see exactly which spare parts are available.

k		Stock		Warning stock	In-house / Purchased	Prize €	Supplier	Order stock	Details
	\bigcirc	6	\oplus	3	Purchased	14,31	ETeile-Bauer	10	(j)
	\ominus	10	\oplus	8	Purchased	3,84	ETeile-Bauer	20	(j)
	\ominus	3	\oplus	3	In-house	8,76	-	1	j
	\ominus	25	\oplus	8	Purchased	3,07	ETeile-Bauer	40	(j)
	\ominus	9	\oplus	4	In-house	5,83	-	-	(j)
	\ominus	3	(+)	3	In-house	0,59	-	-	(j)
	\ominus	2	(+)	5	In-house	11,68	-	-	(j)
	\ominus	9	(+)	5	Purchased	3,63	Teile Fritz	20	(j)

The digital lifecycle card creates clarity

It allows all tool-related events, maintenance and repairs to be analyzed and tracked seamlessly.

This means that the entire service life of the machine or tool is documented in the history. Installed spare parts and their number can be traced exactly.

Easy access to all work carried out

Repair/ maintenance times + spare parts

Analysis of the most frequent repairs





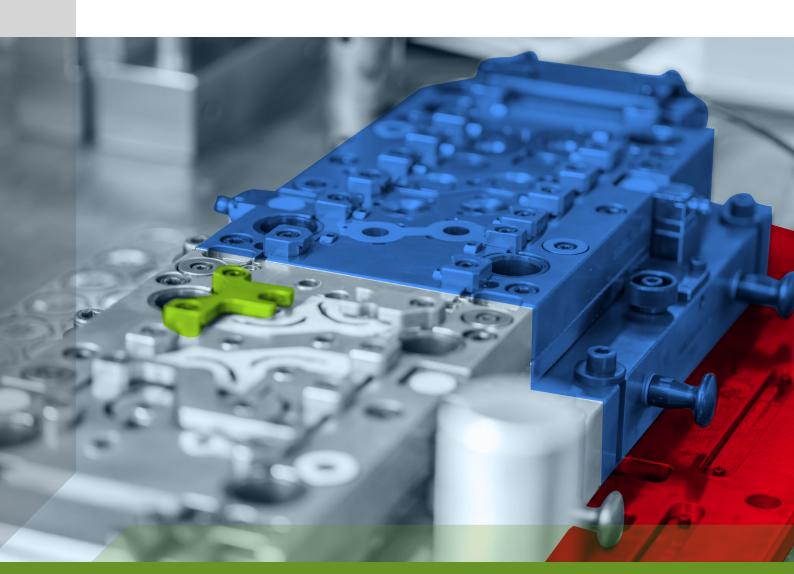


... and thus simply increase machine running times. Everyone knows the current tool status and availability.

Exakt downtimes

In the digital maintenance process, the tool including all the tool components used in the required level of detail by the maintenance manager.

Your tool shop is informed when a maintenance cycle expires and the life cycle map is automatically updated. This forms the basis for complete documentation of a tool's entire life cycle.



Which tool sets are responsible for production losses responsible? Which spare part is most frequently replaced?

How many benders to hold for a production?

Processed Spare Parts

From: 06.02. To: 10.0

Resource: W-00014

Action: exchanged, repaired

Spare Part	Ø Quantity	Absolute Incidence		
▲ Code A1	1.365.556,67	3		
	Time	Amount	Quantity	Action
	22.02. 12:41:00	1	3.686.221,00	repaired
	30.05. 18:56:00	1	155.585,00	exchanged
	25.07. 14:05:00	1	254.864,00	exchanged
▶ Code A2	1.935.225,67	3		
▶ Code A3	1.187.450,34	3		
▶ Code A4	892.576,67	3		

Turn digital tool data into knowledge



Successful digital rollout of maintenance

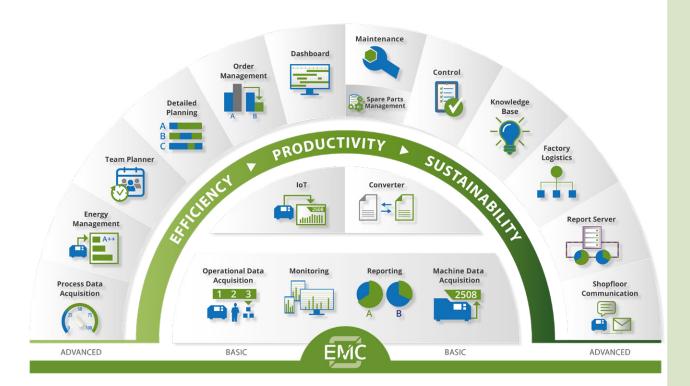
It's easier than you might think.



The solution for the digital factory

Our user-friendly MES Software EMC controls all digital processes on the shopfloor, from planning, implementation and maintenance to traceability, shipping, production orders and sustainable evaluation.

It adapts completely to your needs, integrates into your existing IT landscape and merges the data streams from ERP and shopfloor.



The modular architecture of the MES Software EMC offers you the freedom and flexibility you need to implement your smart networked production. Together with the central MES database, it forms the basis for customer-oriented implementation - step-by-step or holistically - individual modules or as a complete system.

No matter which solution you choose, with EMC you are always one step ahead and have the best possible transparency in production. All with the aim of increasing your efficiency.



iT Engineering Manufacturing Solutions GmbH

Jusistraße 4 D-72124 Pliezhausen Phone +49 (0) 7127 9231-10 info@ite-ms.de www.ite-ms.de

