

Production Tool Management

Increasing the productive contribution of mass manufacturing tools



Avanade Production Tool Management enables production at the best possible quality and efficiency by ensuring that tools can be proactively maintained in optimal working conditions and scheduling conflicts become less likely.

In mass production such as metal die casting or injection molding, the tools used are as important for the quality of the output as the materials. In the Microsoft Dynamics 365 standard, you can feature tools as resources, but production managers need more comprehensive tool management capabilities.

Preventive maintenance enables top output quality

In Avanade Production Tool Management, you can define complex tools and assign them to purchase, sales, and production processes and associate them with fixed assets. The solution provides you with the means to record and review how tools were created, which entity owns them, and where they are. You can use hierarchical structures to define a tool accurately and completely.

Once a tool is set up, you can set the production counter to prompt an activity, such as maintenance or recalibration at certain intervals and at the right time to avoid qualitative deterioration, meeting or exceeding customer expectations for output quality. You can thereby extend the useful life of tools and delay or reduce the costs of replacing and repairing them. Detailed, customizable reporting on tools and their usage and components makes it possible to plan the use of tools and components more efficiently and without unscheduled interruptions.

Automatic notifications draw attention to maintenance or other tool-related action that is past due and keep you informed regarding the release status of tools, their availability, and other details.

Armed with this information, you can reliably schedule and start production orders without materials shortages or under- and over-utilization of tools.

Controlled tracking and flexible usage of tools wherever they go

In many production processes, you need to use tools in combination, but you don't always need the same output quantities from each of them. In Production Tool Management, you have the flexibility to set up tools and components as required, avoiding unneeded production and the associated financial and material waste.

In another common scenario, production managers sometimes provide tools to their vendors or customers. Production Tool Management allows you to plan such actions, track tools while they are offsite, and receive them back into onsite production at the end. You can still perform preventive maintenance in time to avoid a loss in quality. Mirroring this process, you can set up leased or temporarily provided tools coming from another organization in your system and manage them there while you use them in production.

Production Tool Management integrates with the project, assets, and production modules in Dynamics 365. To learn more or see a demo, contact us by visiting www.avanade.com/en/technologies/microsoft-dynamics-365.

Key Benefits

- Maintain the flow of production by keeping tools in optimal working order
- Perform production at the consistent quality that ensures customer satisfaction
- Eliminate the cost and disruption of unusable tools or premature replacements
- Plan and schedule tools for optimal capacity usage of your production facilities

