



OmniFab

Machine Insight

User Guide

Maintenance Manager Definition

1 Configuration App for Machine Insight and Maintenance

This application is intended for setting up different regional configurations related to both Machine Insight and Maintenance.

It allows to specify the email addresses where different types of regional notifications should be received.

It also allows the defining of parts and models that will be used in the maintenance application.

1.1 Configuring notification emails

All the emails addresses that can be defined in the Settings tab will receive notifications pertaining to a single region (the region of the connected user who defines the email addresses).

The screenshot shows the 'SETTINGS' tab of the Configuration App. It features three tabs: 'SETTINGS' (active), 'PARTS', and 'MODELS'. The 'MACHINE INSIGHT' section has a field for 'Messer subscriptions email address' with the value 'order@messer.eu'. The 'MAINTENANCE' section has two fields: 'Messer service technician email address' with 'service@messer.eu' and 'Messer maintenance reports email address' with 'maintenace@messer.eu'. A 'SAVE' button is located at the bottom right.

1.1.1 Messer subscriptions email address

This email addresses receives weekly reports about the customers' subscription status.

The notification email is being sent every Monday morning and has the subject *[OmniFab Machine Insight] : Customer subscriptions*.

It contains information about the subscriptions of all customers within a region and also about any cancel renewals requests from customers.

1.1.2 Messer service technician email address

The service technician is responsible for executing the maintenance and document the changes in the maintenance app.

For each new customer in the region that gets the maintenance app installed, there is a service technician account created with this email and the login name maintenance@[customer].

For each new such customer, the email address will receive a registration email with the subject *[OmniFab Machine Insight] Registration*.

1.1.3 Messer maintenance reports email address

This email addresses receives reports regarding machine parts maintenance.

There will be an email sent for any machine - of any of the customers in the region - whose parts arrive in the *Mainteannce overdue* or *Critical* statuses.

The contents of the email will include all the machine's parts which are in *Mainteannce overdue* or *Critical* status, not only just the one that has triggered the sending of the notification.

The subject of the each of these emails is *[OmniFab Machine Insight] MachineName: Maintenance Status report is available*.

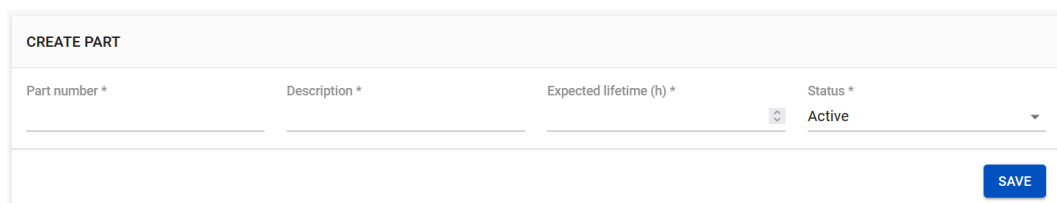
1.2 Creating Parts and Models

The application allows for defining the parts and models to be used in the maintenance application per region.


1.2.1 Parts

In order to define new parts, you need to navigate to the Parts tab and click on the Create Part button.

This will bring up the Part editor form:



After filling out all the required fields and saving, the new part will appear in the Part list:

SETTINGS		PARTS		MODELS	
PARTS					+ CREATE PART
Part number	Description	Expected lifetime (h)	Status	Actions	
<input type="text"/>	<input type="text"/>		All		
100	new part	150	Active		

Each parts can be still modified by selecting its corresponding Edit action from in the list.

The default selection for a part's status is *Active*. By making its status *Inactive*, that part would not be made available anymore to the maintenance application.

1.2.2 Models




In order to define new models, you need to navigate to the Models tab and click on the Create Model button.

This will bring up the Model editor form, from which you will need to select a predefined System and the model name:

CREATE MODEL

System * <ul style="list-style-type: none"> Bridge Control type Dust Collector Lifter Plasma Source Process Table Wheel house 	Model * <input style="width: 90%;" type="text" value="New Model"/>
<input type="button" value="SAVE"/>	

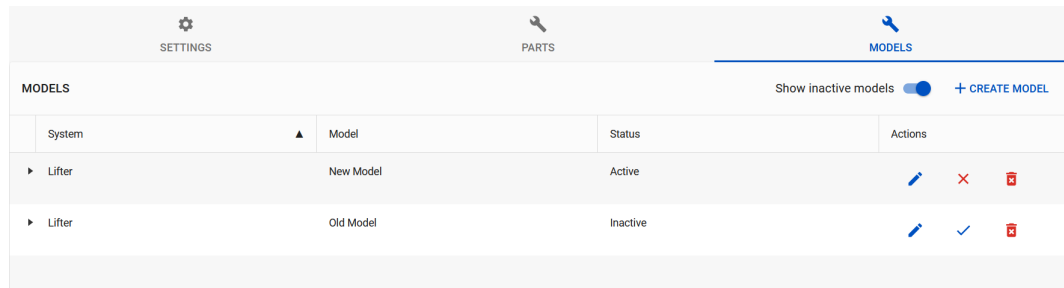
After saving, the new model will appear in the Model list:

SETTINGS		PARTS		MODELS	
					Show inactive models <input type="checkbox"/> + CREATE MODEL
System	Model	Status	Actions		
▸ Lifter	New Model	Active	  		

The model can be edited, inactivated / activated back or deleted.

By default a model is *Active*. By selecting the *Inactivate* action from the list, the model will become inactive, meaning that it will not be made available anymore to the maintenance application, until activated back.

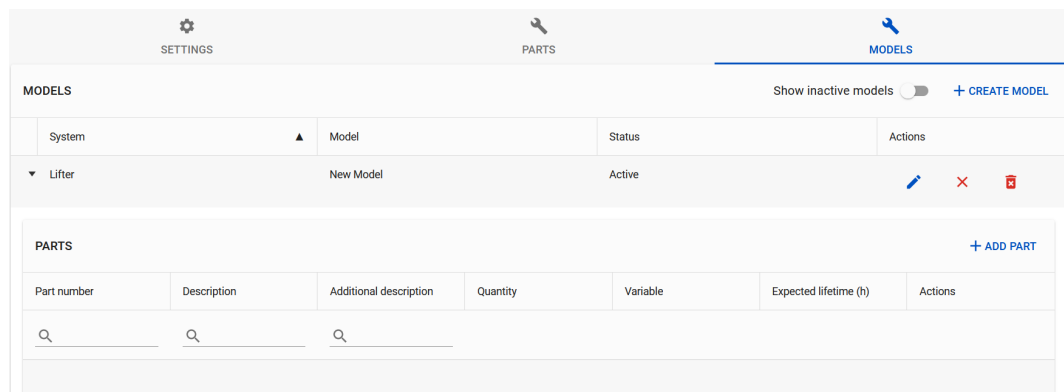
Also, inactive models will not be shown by default in the list. In order to still view inactive models, you need to select the *Show inactive models* option on top of the list:



System	Model	Status	Actions
▶ Lifter	New Model	Active	
▶ Lifter	Old Model	Inactive	

Following its creation, a model hasn't got any parts yet associated.

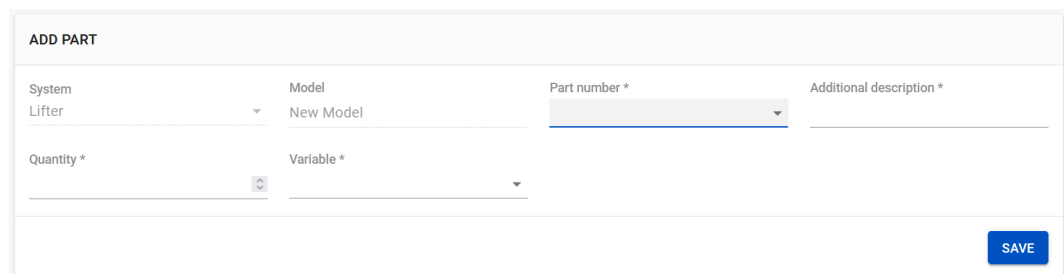
In order to associate parts to a model, you need to expand the model row, which will show the list of parts associated with the model.



System	Model	Status	Actions
▼ Lifter	New Model	Active	

Part number	Description	Additional description	Quantity	Variable	Expected lifetime (h)	Actions
🔍	🔍	🔍				

Clicking on the Add Part button bring up the part association form, prefilled with the system and model:



System Lifter	Model New Model	Part number *	Additional description *
Quantity *	Variable *		

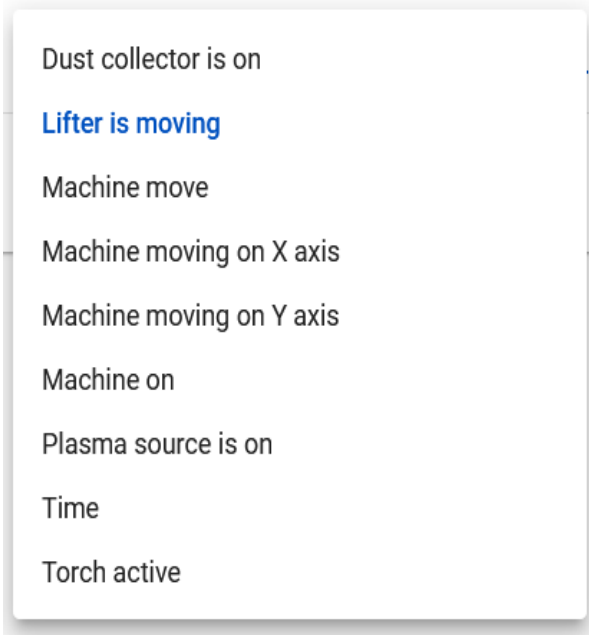
SAVE

The fields that need to be filled in are mandatory and have the following specifications:

- > The Part Number combo box allows the selection of a part from the list of parts that were defined in the Parts section.
- > The Additional description field represents description of the part in the context of the model to which is being attached (the part has also its own individual description).

- > The Quantity field represents the number of parts of the same type that are expected to be present in the model.
- > The Variable combo box allows the selection from a predefined list of variables. The selected variable will determine how the operational time of the part will be computed in the maintenance app. For example, if the selected value would be *Lifter is moving*, than the operational time of the part would only get increased when the lifter would be moving.

Variable *



After the part is saved it will appear in the list of parts associated to the model and can be edited or removed:

SETTINGS
PARTS
MODELS

MODELS Show inactive models + CREATE MODEL

System	Model	Status	Actions
▼ Lifter	New Model	Active	✎ ✖ 🗑

PARTS + ADD PART

Part number	Description	Additional description	Quantity	Variable	Expected lifetime (h)	Actions
100	new part	new part in model	2	Lifter is moving	150	✎ 🗑
150	core part	-	1	Machine on	500	✎ 🗑