

Manage MyMachines /Spindle-Monitor Package Product Sheet



The MindSphere application Manage MyMachines /Spindle-Monitor is an extension to Manage MyMachines enabling main spindle unit specific data collection and visualization. On base of that you can optimize the usage and the maintenance of the main spindle unit.

The Manage MyMachines /Spindle-Monitor Package consists of the MindSphere application Manage MyMachines /Spindle-Monitor and selected MindSphere Resources which are required to access the Platform and to utilize the application.

Prerequisites

Hardware	Your main spindle unit must be equipped with the SMI24 interface for the DriveCliqu drive bus and the configuration within the SINUMERIK controller must be finished as described here: https://support.industry.siemens.com/cs/de/en/view/67598396 https://support.industry.siemens.com/cs/de/en/view/73548614 . This application is only compatible with data provided through SINUMERIK 840D sl, SINUMERIK 828D.
Web browser	An HTML5 capable internet browser is required (e.g. Google Chrome). The recommended screen resolution is 1024x768 or higher. This application can be used by a mobile device that comes with an HTML5 capable web browser.
Data access	To access and use the application, data stored in your existing Account (e.g. Base Environment or MindSphere Capability Package Account) may be accessed by the application.

Description of Manage MyMachines /Spindle-Monitor Application

Spindle Overview	The section spindle overview shows general information about the main spindle unit which is used in the actual selected Asset.
Operation Data	Provides a data view for number of hours running under control, running under speed, amount of clamping cycles and amount of faulty clamping cycles.
Analysis Clamping System	Provides an analysis of the clamping system state. In this section different statistical data sets are shown. Clamping times and number of clamping cycles with and without tool are evaluated for different periods of time.
Events	Provides a summary of temperature and alarms which are collected and statistically shown for different periods in time.

Description of MindSphere Resources

The following MindSphere resources (“MindSphere Resources”) are included in the Manage MyMachines /Spindle-Monitor Package or its extensions. These have been selected to ensure proper operation of the application.

Base Environment

The Base Environment provides you with a dedicated Account (also referred to as “Environment”) on MindSphere. It enables you to login to your Account via the respective URL provided by us and is required for use of the application and MindSphere Resources.

The Base Environment includes 1 Admin User and provides you with the following administration tools available on the MindSphere Launchpad:

- Usage Transparency: provides information regarding your consumption of MindSphere Resources.
- Agent Diagnostic: allows you to activate and deactivate agent logfiles and to access them.
- Settings: allow managing Users, permissions, rights, roles, groups, Collaborations, and environment provider information. For every User, an individual login is required. Access policies are available only upon request. MindSphere sales representative or MindSphere Support to be contacted to enable use of access policies.
- Asset Manager: use Asset Manager to onboard & offboard agents to your Account; to configure assets, asset types and aspect types; to manage the Sharing of assets under a Collaboration between Accounts using Cross-Tenancy.
- Upgrade: can be used to order available upgrades (incl. add-ons) to already Offerings; to get an overview of requested and completed upgrades; to manage pending upgrade requests (authorized Users only).

The Base Environment provides you with the following connectivity “Connect your Things” capabilities as well:

- To connect assets using own PC as a gateway with MindConnect Software Agent.
- To connect individual hardware using MindConnect API services, MindConnect MQTT Services, MindConnect OPC UA PubSub Services and MindConnect Library.
- To use MindConnect Hardware e.g. MindConnect Nano, MindConnect IoT2040, MindConnect IoT2050.
- Zero touch onboarding using MindConnect OPC UA PubSub Services and MindConnect MQTT Services.
- To maintain connected devices by using MindConnect Device Management Services.

For more information regarding Connect your Things capabilities, please refer to the Product Sheet for MindSphere Capability Packages available at

<https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets>.

Additional MindSphere Resources

In addition to the Base Environment, the following MindSphere Resources are included in the Manage MyMachines Package and its extensions:

- Asset Attributes
- Events
- File Storage
- Subtenants
- Time Series Data Ingest Rate
- Time Series Data Storage
- Users

For general descriptions of the MindSphere Resources listed above, please refer to the MindSphere [Glossary](#).

Pricing Model	
Application subscription	Manage MyMachines /Spindle-Monitor Package
Fee	See Order ¹
Billing cycle	Full amount in advance
The application subscription allows access to the application Manage MyMachines /Spindle-Monitor for 1 Asset, including the Base Environment and MindSphere Resources suitable to connect 1 Asset to the Platform.	
Manage MyMachines /Spindle- Monitor application	✓
Base Environment ²	✓
Asset Attributes	50
Subtenants	10
File Storage	10GB
Time Series Data Storage	10 GB
Time Series Data Ingest Rate	0.2 KB/s
Users	10
Extension (for application and MindSphere Resources)	Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly)
	Usage-based
	1 additional Asset and Resources
Fee	See usage-based list ³
Billing cycle	Yearly in advance
This extension provides you with 1 additional Asset and contains the following additional MindSphere Resources suitable to connect 1 additional Asset to the Platform. Assets connected in Asset Manager can be enabled to Manage MyMachines /Spindle-Monitor by using the Shopfloor Management Application available on the MindSphere Launchpad.	
Asset Attributes	50 additional Asset Attributes
Subtenants	10 additional Subtenants
File Storage	10 GB additional File Storage
Time Series Data Storage	10 GB additional Time Series Data Storage
Time Series Data Ingest Rate	0.2 KB/s additional Time Series Ingest Rate
Users	10 additional Users
¹⁾ Subscription-based pricing is set forth in the Order; ²⁾ You can decide if a Base Environment shall be created and provisioned to you as part of your Manage MyMachines /Spindle-Monitor Package or if the Manage MyMachines /Spindle-Monitor Package (without a Base Environment) shall be added to an existing Account (Base Environment or MindSphere Capability Package Account). A Package can only be added to an existing Account if the Account and Package are hosted in the same data center location. If you decide to add various Packages to one existing Account, please note the following: The MindSphere Resources included in the various Packages will be combined under one Account; it is your responsibility to allocate the MindSphere Resources to the various Packages according to your needs. The combination of MindSphere Resources under one Account may lead to technical limitations in their accessibility https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/technical-limitations ; ³⁾ Usage-based fees are set forth in the Price List for Offerings with Usage-based Fees available at https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/usage-based .	

General	
Subscription Term	The standard Subscription Term for the application is 12 or 36 months. The Subscription Term shall automatically renew if stated in the Order.
Enablement and disablement of Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly)	Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly) may be enabled within the Shopfloor Management Application at any time during a valid Subscription Term for Manage MyMachines /Spindle-Monitor Package. Upon enablement, the Subscription Term for Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly) starts. The Subscription Term is 12 months and automatically renews with a Subscription Term of 12 months unless you disable the respective Asset at any time.

	In case of a disablement, the Subscription Term for Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly) will not automatically be extended after it expired and is deemed to be terminated. Once a disabled Asset is enabled again after the end of a valid Subscription Term for Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly), a new Subscription Term for Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly) starts and the fee will be applied again.
Payment Terms	Fees for Manage MyMachines /Spindle-Monitor Package subscription are fully charged in advance for the entire Subscription Term unless otherwise expressly provided in an Order. Fees for Manage MyMachines /Spindle-Monitor Package Asset and Resources Activation (Yearly) are charged yearly in advance for each enabled Asset (first time in the month after the Asset has been enabled) for 1 year.
Trial	Manage MyMachines /Spindle-Monitor Package is available as a "Trial" version. Trial version provides you with 3 Assets and MindSphere Resources suitable to connect 3 Assets to the Platform. The Trial term and conditions are defined in the MindSphere Supplemental Terms available on www.siemens.com/sw-terms/supplements .
Service Level Agreement	The Monthly Availability for this application is 95 %. Monthly Availability is defined in the Cloud Support and Service Level Framework available at https://www.siemens.com/sw-terms/sla .
Application use rights	This application can be used as part of OEM Services as described in the MindSphere Supplemental Terms available on www.siemens.com/sw-terms/supplements .
Third-Party Terms	The Third-Party Terms for Manage MyMachines /Spindle-Monitor are made available via the following web link: https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/Third-Party-Terms .
Support	Support for this application may be contacted via Industry Online Support https://support.industry.siemens.com . Support is available in English and German.

Export Control Regulations

Applicable for Manage MyMachines /Spindle Monitor application and SINUMERIK Integrate Client.

AL	N
ECCN	EAR99

Applicable for MindSphere Resources.

AL	N
ECCN	N

Security Information

General	In order to protect plants, systems, machines and networks against cyber threats, it is necessary that you implement and continuously maintain a holistic, state-of-the-art industrial security concept.
Secure communication	Data transmission will be done via HTTPS protocol from Asset to your MindSphere Account.
Encryption standard	TLS 1.2 for communication between Asset and MindSphere Account is used.

Definitions

Asset	An Asset is the logical representation of a thing which can be a machine or an automation system with a single unit e.g. PLC or CNC - Controller. Assets are defined using an Asset type.
General	Unless otherwise indicated, capitalized terms used in this document shall have the meaning given to them in this Product Sheet or elsewhere in the Agreement. You may also want to check our Glossary .