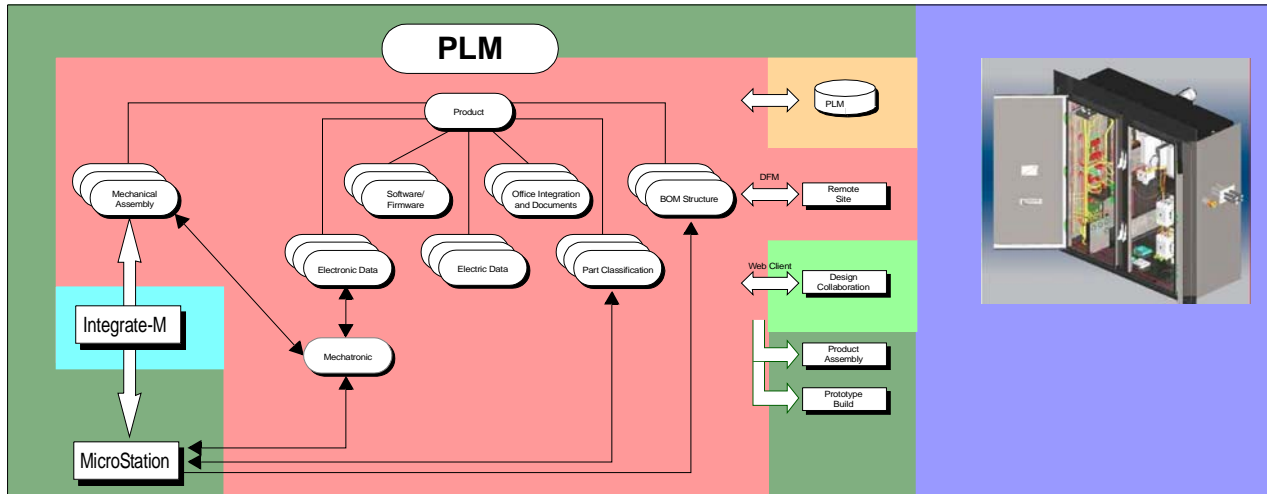


## MicroStation<sup>®</sup> with Product Lifecycle Management

Prepare and synchronize an assembly structure in MicroStation with PLM to

- integrate the assembly structure with a complete product structure with electrical, software and documentation items in a seamless process.



- The complete product is maintained, released to manufacture and tracked in PLM.
- Publish drawings, models, and synchronize parts with PLM to submit them to lifecycle management and access/publication control.
- Execute Integrate-M functions out of the MicroStation environment.

Item Identifier	Action	Problem
S30881-04220-M	update	
C42121-2100-C40	create	
C42121-2100-C40	create	
S30881-04220-x1-7606	create	
S30881-04220-x1-7406	create	
C39334-Z94-C3	skip	PDM_NOARTICLE = TRUE
C50117-A200-C671	update	
V50817-L1812-A220	skip	PDM_NOARTICLE = TRUE
C39334-Z94-C729	skip	PDM_NOARTICLE = TRUE
C50117-A200-C672	update	
V42256-Z94-B103	skip	PDM_NOARTICLE = TRUE
C39334-Z13-C39	skip	PDM_NOARTICLE = TRUE
C50117-A200-C676	update	
C50117-A200-C278	skip	write access not granted neither for group not
V39106-Z2064-A17	skip	PDM_NOARTICLE = TRUE
C39334-Z94-C170	skip	write access not granted neither for group not
S30881-04220-x1-7606	skip	Different PDM_CREATOR
C50117-A200-C678	update	
C50117-A304-C57	skip	write access not granted neither for group not
V40062-P3020-73	skip	write access not granted neither for group not
C50117-A200-C679	update	
S30881-04220-X	skip	Different PDM_CREATOR
C50117-A200-C669	update	
C50117-A200-C690	update	
S39334-Z94-C254	skip	write access not granted neither for group not
C50117-A200-C670	update	
V42256-Z94-C75	skip	PDM_NOARTICLE = TRUE
C50117-A200-C673	update	
C50117-A200-C696	update	
C50117-A200-C675	update	
V30881-04220-X	update	

- Compare the new structure in MicroStation with the previous one in PLM and confirm update with optional selection of Pre-Release or Release.

### Integrate-M Functions

You operate the functions from the MicroStation user interface. Integrate-M establishes the communication with PLM.

# Integrate-M

---

## Synchronize Parts

- Capture standard parts in PLM.
- Support optional parts classification.
- **Synchronize Parts** with MicroStation including linked datasheets and part status.
- Release parts in PLM and to ERP for company-wide usage.

## Build Data Model

- Display the current state of your assembly structure.
- Control and process the items in the structure.
- Build and enhance the assembly structure in PLM.

## Push Assembly

- Synchronize metadata in drawing frames.
- Fetch the model out of the workspace.
- Create PDF or TIFF plots of the layout.
- Optionally reserve the structure in PLM.
- Check the data into the assembly structure.
- Update data in PLM as long as the assembly is “in Work”.

## Redesign

- Increase the revision of a released assembly in PLM.
- Reserve the assembly for the user.
- Fetch the model out of PLM.
- Refresh metadata in the model.
- Place the model in the MicroStation workspace for immediate use.

## Pop

- Support selection of any revision.
- Fetch revisioned model data from PLM for re-use.

## BOM

- Create/update a Bill-of-Materials in PLM.
- Structure and sort the BOM to meet fabrication requirements.
- Synchronize the metadata of the BOM header.
- Support merged BOMs with data from other design application systems, such as AutoCAD, or electrical CAD.
- Support updates which are compatible with the PLM ERP system’s requirements.
- Support Engineering Release for advance material disposition in PLM ERP and then updates of the BOM up to the final release.
- Optionally create a configurable BOM spreadsheet for external suppliers.

## Spotlights on some features

- Full support of variants.
- Support of mechatronics: exchange of data with electronic or electrical CAD. Support of a common structure in PLM.
- Support of merged and edited BOMs with the bom\_back utility, which backannotates legal BOM changes into the model.
- Support of workflow, history, designer group-based access control, data reservation, the ECO process, and ISO 9000 processes.
- Full configurability to your company process.
- Seamless collaboration support with AutoCAD and electrical/electronic design.