

Our Partners



Integrate and Synchronize your CAD Data with M1 ERP

Product Overview

CADLink allows engineers to create M1 Item Master and BOM records identical to engineering CAD data with the click of a button. The direct integration reduces manual data entry and clerical errors. Production benefits from drawing information identical to work order documentation.

Increase the speed of data flow from sales to engineering, procurement, and manufacturing. Streamlining the entire product development process by integrating your CAD system and your M1 ERP solution gives you the edge in the competitive market. This eliminates all the burdens you face from having disparate systems, allowing engineers to focus on the designs and innovation.

Keeping your M1 engineering data accurate and synchronized with your engineering drawings and models is critical. With CADLink, you will see significant improvements in production speed, on-time shipments, and accuracy of M1 engineering data with reductions in engineering cost, scrapped parts, and shop floor confusions.

Product Features

Direct CAD integration

Real-time, direct, two-way link between your CAD and your M1 ERP means no more exporting or importing of data files. Launch directly from the CAD suite of your choice. Interface for indented multi-level Bill of Materials and thumbnail preview image of the CAD part lets you know what you are looking at.



Direct integration to M1 ERP

Assign essential M1 ERP fields such as Part Group, Part Class, UOM, and Part Type using M1 drop-down menus in CADLink.

| Part Group | Part Class | Part Type |
|------------|------------|----------------|
| Tooling | Hardware | Manufactured |
| | Class | Description |
| Tooling | FG | Finished Goods |
| Tooling | HWARE | Hardware |
| Tooling | RHS | RHS |
| Tooling | SHEET | Sheet Metal |
| Tooling | TOOLS | Tooling |
| Tooling | WIP | WIP Parts |

Bi-directional data push

Bi-directional data push keeps your CAD and M1 ERP engineering data synchronized and up-to-date. Critical information such as part quantity and material selection will be kept consistent throughout your CAD and M1 ERP systems.

Live data comparison

Live comparison lets you visually review BOM changes before committing to save. Create M1 Item and BOM records identical to your drawings in one click.

Discrepancy and Error notification

Resolve discrepancies in the CADLink interface and automatically update both your CAD files and M1 ERP data. CADLink checks for critical errors and notifies the user before saving.

| SI4100 - GAS SPRING | n | 2.0000 |
|---------------------|---|--------|
| GAS SPRING SIDE 2 | CAD Description : SI4100 - GAS SPRING | 0.0000 |
| GAS SPRING SIDE 1 | ERP Description : SSC9-8-090-255-600N | 0.0000 |
| GAS SPRING ROD | CADLink Description : SI4100 - GAS SPRING | 0.0000 |

| No | Save | Part Number | Revision | Part Description | Related Operation | Unit Qty | Worth |
|-------|------|---------------------|----------|---|-------------------|----------|-------|
| | | TM00739 | 000 | SH100 - S - M - ASSEMBLY | 0 | 1.0000 | EA |
| 1.1 | | TM00779 | 000 | SILED 5 ASSEMBLY | 0 | 10.0000 | EA |
| 1.1.1 | | SDD00192 | 000 | White Rebel LED's, 20mm Tri-Star Base-705nm@700mA | 0 | 1.0000 | EA |
| 1.1.1 | | SDD00158 | 000 | Circle 22" Frosted Tri-LED Optic with Holder | 0 | 1.0000 | EA |
| 1.1.1 | | TM00559 | 000 | SILED PLASTIC COVER | 0 | 1.0000 | EA |
| 1.1.1 | | TM00554 | 000 | SILED BASE #5 | 0 | 1.0000 | EA |
| 1.2 | | TM00755 | 000 | SH100 - S - M - INSIDE COVER | 0 | 2.0000 | EA |
| 1.3 | | SZ000095 | 000 | SH100 - GAS SPRING | 0 | 2.0000 | EA |
| 1.3 | | TM00751 | 000 | GAS SPRING SIDE 2 | 0 | 1.0000 | EA |
| 1.3 | | TM00752 | 000 | GAS SPRING SIDE 1 | 0 | 1.0000 | EA |
| 1.3 | | TM00750 | 000 | GAS SPRING ROD | 0 | 1.0000 | EA |
| 1.4 | | TM00745 | 000 | SH100 - S - M - FRAME | 0 | 1.0000 | EA |
| 1.5 | | GAS STRUT STAND OFF | 000 | GAS STRUT STAND OFF | 0 | 4.0000 | EA |
| 1.6 | | TM00754 | 000 | SM11 BALL STUD | 0 | 4.0000 | EA |
| 1.7 | | TM00767 | 000 | SH100 - S - M - 330 - 2550 | 0 | 1.0000 | EA |
| 1.8 | | TM00762 | 000 | SH100 - S - M - 350 - 2550 | 0 | 8.0000 | EA |
| 1.9 | | TM00751 | 000 | SH100 - S - M - 310 - 2550 | 0 | 1.0000 | EA |
| 1.10 | | TM00763 | 000 | SH100 - S - M - NO CAMERA 34 SIDE PLATE | 0 | 1.0000 | EA |
| 1.11 | | TM00766 | 000 | SH100 - S - M - NO CAMERA 12 SIDE PLATE | 0 | 1.0000 | EA |
| 1.12 | | TM00746 | 000 | SH100 - S - M - CAMERA 34 SIDE PLATE | 0 | 1.0000 | EA |
| 1.13 | | TM00768 | 000 | SH100 - S - M - CAMERA 12 SIDE PLATE | 0 | 1.0000 | EA |
| 1.14 | | TM00744 | 000 | SH100 - S - M - TOP COVER | 0 | 2.0000 | EA |
| 1.15 | | TM00758 | 000 | SH100 - S - M - BUSHING | 0 | 2.0000 | EA |
| 1.16 | | TM00773 | 000 | NAME PLATE | 0 | 1.0000 | EA |
| 1.17 | | TM00772 | 000 | SH100 - S - M - BOTTOM COVER | 0 | 2.0000 | EA |
| 1.18 | | TM00769 | 000 | SH100 - S - M - DOME PIN | 0 | 2.0000 | EA |
| 1.19 | | TM00749 | 000 | SH100 - S - M - CLEARING PAD | 0 | 8.0000 | EA |
| 1.20 | | RD00132 | 000 | 323 CLAMP PULL ACTION | 0 | 1.0000 | EA |
| 1.21 | | TM00740 | 000 | SH100 - S - M - SIDE COVER | 0 | 2.0000 | EA |

Powerful Visual Interface
CADLink offers an intuitive and highly visual interface to display data discrepancies. BOM quantity changes and updates are displayed in change summary tab.

Color Coded Changes
Engineers can easily see the effects of changes to ERP and CAD data. Yellow fields highlight data to be changed in M1 ERP such as description or quantity. Green fields represent new parts that will be created in M1 ERP. Gray fields represent parts to be removed from your BOM.

Save Licensing Costs

CADLink accesses your M1 databases directly and does not require an M1 license. This means that your engineering team could spend less time in M1, resulting in less licensing fees for your company.

Eliminates Duplicate Manual Data Entries

Single-step process eliminates duplicate manual data entries of engineering data.

Work with CAD/PLM/PDM of your choice

CADLink works with mechanical and electrical design suites of your choice including:

- SolidWorks
- Inventor
- Creo
- PADS
- DxDesigner
- Cabinet Vision
- AutoCAD
- AutoCAD - Mechanical
- Pro-E
- SolidEdge
- AutoCAD - Electrical
- Altium Designer

Direct integration with your Vault, PDM, or PLM system is also available for:

- SolidWorks Enterprise PDM
- Autodesk Vault Professional
- Windchill
- Teamcenter
- SmarTeam

Powerful Searches

Search your M1 Item Master live and insert raw material items to your BOM. Search and insert non-CAD items to your M1 BOM to create a complete BOM; not just what you modeled.

| Part | Revision | Description | Unit Qty | Worth |
|---------------------|----------|---|----------|-------|
| TM00739 | 000 | SH100 - S - M - ASSEMBLY | 1.0000 | EA |
| SZ000095 | 000 | SH100 - GAS SPRING | 2.0000 | EA |
| TM00751 | 000 | GAS SPRING SIDE 2 | 1.0000 | EA |
| TM00752 | 000 | GAS SPRING SIDE 1 | 1.0000 | EA |
| TM00750 | 000 | GAS SPRING ROD | 1.0000 | EA |
| TM00745 | 000 | SH100 - S - M - FRAME | 1.0000 | EA |
| GAS STRUT STAND OFF | 000 | GAS STRUT STAND OFF | 4.0000 | EA |
| TM00754 | 000 | SM11 BALL STUD | 4.0000 | EA |
| TM00767 | 000 | SH100 - S - M - 330 - 2550 | 1.0000 | EA |
| TM00762 | 000 | SH100 - S - M - 350 - 2550 | 8.0000 | EA |
| TM00751 | 000 | SH100 - S - M - 310 - 2550 | 1.0000 | EA |
| TM00763 | 000 | SH100 - S - M - NO CAMERA 34 SIDE PLATE | 1.0000 | EA |
| TM00766 | 000 | SH100 - S - M - NO CAMERA 12 SIDE PLATE | 1.0000 | EA |
| TM00746 | 000 | SH100 - S - M - CAMERA 34 SIDE PLATE | 1.0000 | EA |
| TM00768 | 000 | SH100 - S - M - CAMERA 12 SIDE PLATE | 1.0000 | EA |
| TM00744 | 000 | SH100 - S - M - TOP COVER | 2.0000 | EA |
| TM00758 | 000 | SH100 - S - M - BUSHING | 2.0000 | EA |
| TM00773 | 000 | NAME PLATE | 1.0000 | EA |
| TM00772 | 000 | SH100 - S - M - BOTTOM COVER | 2.0000 | EA |
| TM00769 | 000 | SH100 - S - M - DOME PIN | 2.0000 | EA |
| TM00749 | 000 | SH100 - S - M - CLEARING PAD | 8.0000 | EA |
| RD00132 | 000 | 323 CLAMP PULL ACTION | 1.0000 | EA |
| TM00740 | 000 | SH100 - S - M - SIDE COVER | 2.0000 | EA |

One-Click Summary Reports

Easily generate PDF Bill of Material Change summary report and export Bill of Material in an Excel file format to meet your documentation requirements.

Export - EXCEL Export - PDF

Small Footprint

CADLink offers an easy installation and setup, and small footprint with minimum client machine hardware and software requirement. CADLink installation requires no additional database or server components.

Quick and Easy Routing Interface

CADLink offers a simple interface for creating and assigning M1 operations and resources on your BOM.

| Seq | Type | Work Center | Process ID | Process Description |
|-----|----------|-------------|-------------|---------------------------|
| 10 | In House | WELD | WELD | Welding |
| 20 | In House | WorkCenter | Description | Drill |
| 30 | In House | SPIN | Spinning | Assemble per Instructions |
| 40 | In House | SPOT | Spot Welder | Grinding - Blanchard |
| 50 | In House | SUB | Subcontract | Deburr |
| 60 | In House | THREA | Threading | Inspection |
| | | TOOLD | Tool & Die | |
| | | TUB | Tubing | |
| | | TURN | Turning | |
| | | WELD | Welding | |

QBuild Service

At QBuild, we stay hands-on with you throughout the go-live phases to ensure a successful implementation and the customer satisfaction. You will also have direct access to one of our experienced developers assigned for your project. You get the answer and support you need fast without jumping through any hoops.

We also believe in finding the right solution for you. We take time to understand your unique needs and requirements. We are open to discuss and offer flexible customization options if necessary.

About QBuild Corporation

Integrate engineering to your M1 ERP system! QBuild offers the highest quality of Engineering Efficiency and Productivity tools on the market today. Since 2002, we have provided superior service to our customers across the globe and have assisted them in implementing their CAD ERP link. Our many years of experience and commitment to excellence have earned us the reputation as the best CAD ERP integrator in the North America.



210 Telson Road
Markham Ontario | L3R 1E6 CANADA
Ph: 1 (905) 479-7811
Fx: 1 (905) 479-2636
Website: www.QBuildSoftware.com