

PRODUCT DESCRIPTION

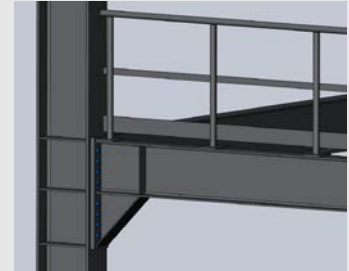
Modular Solution - AMV STEELWORKS TOP

STEELWORKS TOP BASIC

3D Steel modelling inside SolidWorks

Basic Functions:

- Parametric Layout modelling;
- Profile modelling according to the most common international standards (European, American, Australian);
- Bolted connection modelling;
- Bolted and welded joint modelling, pursuant to the most widespread standards (European, American, Australian).



3D Steel modelling inside SolidWorks

Advanced Functions:

Modelling of structural systems and subsystems (braces, trusses, stairs, and handrails). Such components can be freely modelled by the designer in terms of geometry and parametric and associative behaviour.

Automatic Joint Insertion

- Standard bolted and welded joint modelling, pursuant to the most widespread international standards (European, American, Australian);
- Custom joint modelling, according to user's specifications;
- Once inserted, the joints automatically adapt whenever the associated profiles are modified.

Bill of Materials

Numbering of components and customisable printout of the list of materials and bolts.

Quick-quote functionality, including customisable single and collective cost codes, totals and subtotals.

Additional Features

All components have an associative, parametric behaviour and are 100% SolidWorks solids.

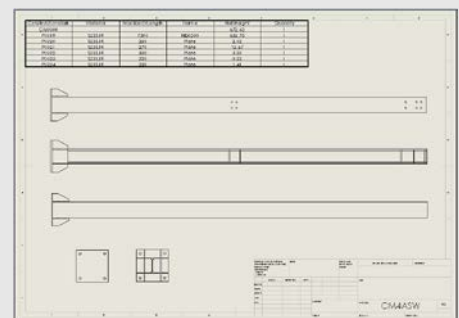
All components are customisable and can be modified using SolidWorks tools.

The single seat basic version allows one single working session, enabled through one single licence key.

STEELWORKS TOP DETAILING

Detailing and assembling of marks and management of the drawings typical of metallic carpentry (steel structures):

- Positioning/numbering of marks;
- Assembling of composite marks;
- Numbering and management of composite marks;
- Workshop sketches;
- Simple mark drawings;
- Composite mark drawings;
- Assembly drawings.



STEELWORKS TOP INTEROPERABILITY

Additional module allowing export from SolidWorks to FEA solutions using the CIS\2 format. Direct interoperability with Bentley's STAAD Pro.



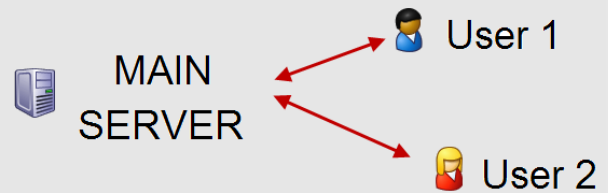
STEELWORKS TOP SERVER & SUBTASKING

Server

Allows the connection of single seats in client-server mode (one single module connects multiple licenses) enabling "floating licences".

Allows simultaneous access to software projects and libraries for multiple users. Allows the sharing of the required data and of the fabricator libraries.

Allows job check-in and check-out from the server to a local workstation or a laptop.



Sub-Tasking

Through the Sub-Tasking a job can be subdivided into subsystems, allowing direct access to them from a local network as if they were self-standing jobs.

Through the Server module each client is assigned access permissions to the data shared through the server.

NON-modular Solutions

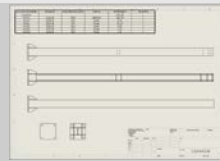
AMV STEELWORKS LITE



The **LITE** version has been designed for those operators who do not require all the functionalities offered by the TOP products.

Specifically, the **LITE** version includes the modelling (BASIC module) and the quick quote functionality, including the bolt report. It does not feature the automatic insertion of the joints. Other functions of SteelWorks are used to add joints and connections to the model, such as the insertion of plates, stiffeners, and bolts.

AMV STEELWORKS LITE PLUS

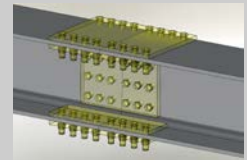


The **LITE PLUS** version has been designed for those operators requiring almost all functionalities offered by the TOP products .

Specifically, the **LITE PLUS** version includes all the functionalities of the TOP product (BASIC + INTEROPERABILITY + DETAILING), except for the "Server & Sub-Tasking" module and the automatic insertion of the joints.

Similarly to the LITE version, joints and connections are added to the module using other functions of SteelWorks, such as the insertion of plates, stiffeners, and bolts.

AMV STEELWORKS MACHINERY



The **MACHINERY** version has been designed for the professionals of the mechanical industry who sometimes, or even often, face the need to integrate metallic carpentry elements into their realisations.

These users require the automatic joint insertion, whereas the network functionalities are managed through **PDM**.

Specifically, the **MACHINERY** version includes all the modelling functionalities of the TOP product (BASIC module), including the automatic insertion of the joints limited to the most common industrial joints such as flanges, end plates, base plates, splices and angles.

AMV STEELWORKS 2011					TRIAL 30 days
Major Features	LITE	LITE PLUS	MACHINERY	TOP	
Operating Systems					
Windows XP, Vista, 7 32 bit	✓	✓	✓	✓	✓
Windows Vista, 7 64 bit	✓	✓	✓	✓	✓
Modelling - Insertion of					
Structures and Substructures	✓	✓	✓	✓	✓
Layout	✓	✓	✓	✓	✓
Profiles	✓	✓	✓	✓	✓
Bolts	✓	✓	✓	✓	✓
Manually created Joints	✓	✓	✓	✓	✓
Automatically created Joints	⊗	⊗	○ ¹	✓	○ ^{1,2}
Stiffeners	✓	✓	✓	✓	✓
End Plates	✓	✓	✓	✓	✓
Custom Objects	✓	✓	✓	✓	✓
Modelling - Various					
Fitting	✓	✓	✓	✓	✓
Components Based Design	✓	✓	✓	✓	✓
Pattern	✓	✓	✓	✓	✓
Libraries					
Profiles	✓	✓	✓	✓	✓
Bolts	✓	✓	✓	✓	✓
Joints	⊗	⊗	○ ¹	✓	○ ^{1,2}
Numbering					
Quote tool and cost management	✓	✓	⊗	✓	✓
Bolt Numbering	✓	✓	⊗	✓	✓
Piece Numbering	⊗	✓	⊗	✓	✓
Composite Marks Numbering	⊗	✓	⊗	✓	✓
Drawings					
WorkShop Drawings	⊗	✓	⊗	✓	✓
Piece Drawings	⊗	✓	⊗	✓	✓
Composite Mark Drawings	⊗	✓	⊗	✓	✓
Assembly Drawings	⊗	✓	⊗	✓	✓
Interoperability					
To CIS/2	⊗	✓	⊗	✓	⊗
To STAAD.PRO	⊗	✓	⊗	✓	⊗
Networking					
Client / Server	⊗	⊗	⊗	✓	⊗
Floating license	⊗	⊗	⊗	✓	⊗
Subtasking	⊗	⊗	⊗	✓	⊗

AMV STEELWORKS TOP is a modular software.

Comparison is based on AMV STEELWORKS TOP version comprehensive of ALL modules.



Available



Limited functionality



Not available

1

Limited Joint Library

2

Bolts cannot be inserted during joint insertion; joints cannot be edited after insertion