

ADVANCED CUTTING LIST



SkillPower®
Improve your skill, boost your power

Create the cutting list from any geometry, imported or parametric.
It automatically recognizes profile sections and sheet-metal
parameters.

Generates the item drawings of individual bodies and the assembly
drawings.





CLManager
powered by SkillPower

Improve your **skill**, boost your **power**



Features

Cutting-list management for any solid imported from neutral 3D formats (STEP, IGES, ACIS, PARASOLID, etc.)

Automatic recognition of profile sections. Fully customizable profile-section archive

Calculation of the total lengths of profiles with the same section, across subassemblies and multi-body parts

Management of sheet-metal parameters (bounding box, surface, total length of inner edges, total length of outer edges, thickness, etc.)

A single cutting list across all subassemblies and parts of an assembly, down to the individual solid bodies

Recognition within assemblies of geometrically identical bodies with calculation of total quantities

Automatic creation of item drawings in A4 or A3 format for each solid

Automatic creation of drawings for subassemblies

Indication in the drawing of all the item data (profile, length, overall dimensions, weight, material, quantity, sheet-metal parameters, unit cost)

Export of the list in TXT, CSV, XLS, XLSX formats

Automatic export in DWG or DXF format of drawings and flattened sheet-metal parts

Automatic export of individual bodies in STEP or IGES format

Compatible with SolidWorks PDM



Benefits

Cut down quoting time

Given an assembly or a multi-body part imported or modeled in SolidWorks, the geometric parameters needed to calculate the semi-finished products can be extracted. The automatic recognition of profile sections and the calculation of total quantities (lengths, surfaces, weights, etc.) across all bodies of an assembly make it possible to create a cutting list in a very short time, together with the related costs.

Advanced geometry recognition

CLManager can calculate the quantities of identical items based solely on geometric identity, regardless of their name or how they are modeled, across all components and subassemblies of an assembly or a multi-body part.

Automatic creation of item drawings

For every single solid body it is possible to generate its item drawing, achieving a significant reduction in the time needed to create technical documentation. Subassembly drawings can also be created, complete with their cutting list and balloon numbering.

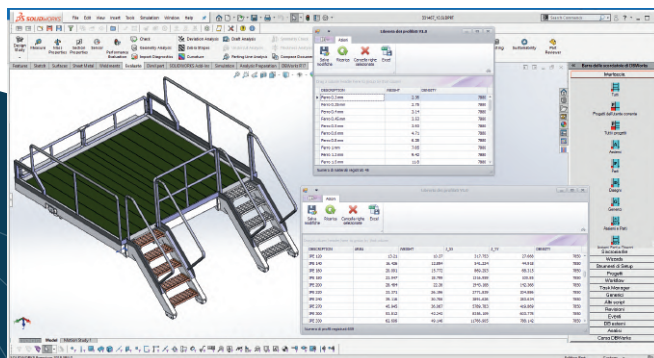
Export in neutral 3D format

Being able to export all bodies in a neutral 3D format makes it easier to create tool paths and to communicate with machining centers.

Cost calculation

The cutting list can be completed with production costs based on the various geometric parameters (cost per meter for profiles, laser/plasma cutting cost based on the length of the sheet-metal edges, etc.), so as to quickly obtain a first price for preparing a quote or for estimating internal production costs.

SOLIDWORKS



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