



## Cadec+ Mechano Datasheet

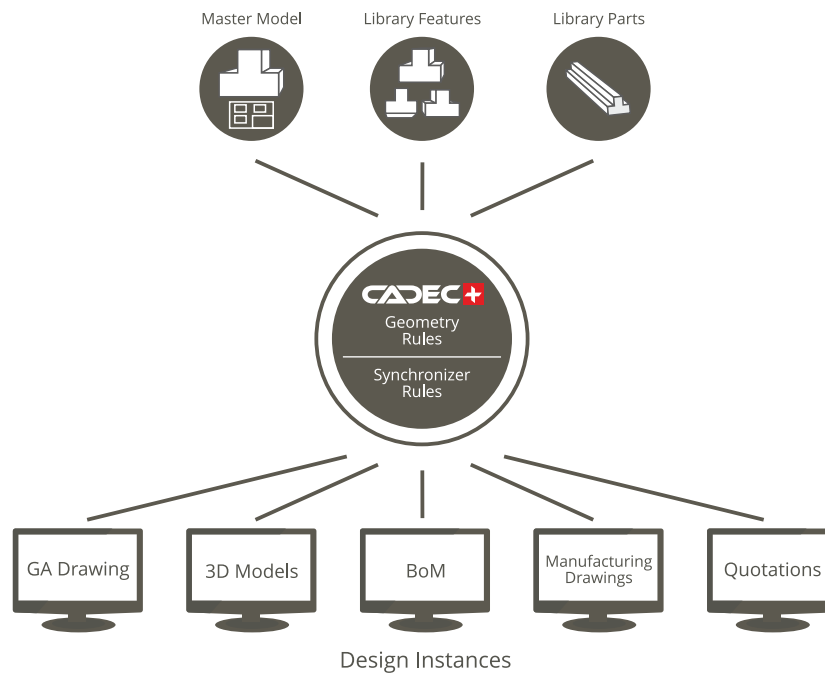
Since childhood, we have been trained to work on a bottom up approach. One of the first few toys we played with was a Mechano or Building Blocks. There would be standard blocks of various shapes, sizes and functionality that we would put together to form a wide range of objects like a house, a tank, a garden or even a helicopter. CADEC+ Mechano works on the same principle – designing using Building Blocks or bottom up approach. It includes putting together a set of pre-defined simple components to create complex designs.

Using CADEC+ Mechano is designed to the designer's delight. It is as simple as the real life Mechano. Various components can be put together to create the desired application. CADEC+ Mechano works on a building blocks approach to create complex systems like controls panels, fabricated structures, fixtures, process equipment with infinite layouts using standard library components (subsystems or features). The library components can have internal dimensions and location dimensions, and know their parents and mates. Selection, modification and placement of library components in design layout can be configured as per your design logic. The features have location-based dimensions and internal dimensions. CADEC+ Mechano configures and controls these through geometry rules. Selection, modification and placement of features in design layout can be configured as per your design logic.

The drawing generator uses a combination of master draftings and from-scratch drawings based on templates. The output can be configured to include important GA dimensions, BOMs, feature lists, balloons, schematic sketches, etc.

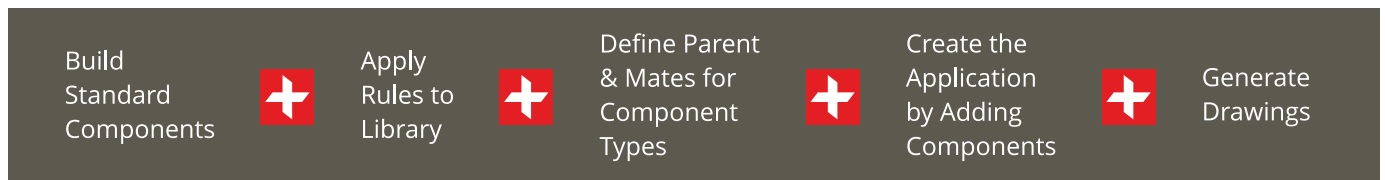
### **BUILDING BLOCKS – A FULLY MODULAR APPROACH**

Design library is created using subsystems and features stored in a folder structure. Geometry rules can be applied to the sub-folders, and their constituents obey the rules. This makes the library components intelligent enough to know how they can be modified and positioned for using in any design layout. You can either use your company's existing design library, or create a new one, and keep adding components to it.



The user interface is highly intuitive which reduces the learning time. The entire process requires no programming knowledge. The design engineers can generate models within just a few hours and hence can focus their efforts in process improvisation and innovation.

## END-TO-END PROCESS



## SALIENT FEATURES

- Components – parts & assemblies – and feature libraries
- Intelligent and flexible geometry rule implementation
- Unlimited layout options
- Easily configured to suit design logic
- BOMs, feature table formats can be configured. Filtered BOMs can also be generated
- Drawings auto-generated for GA layout as well as for individual part detailing

## BENEFITS

- Creation of customized library of components
- Smart library parts with Auto “Mates”
- Standardized components
- Download of 3D/2D formats available
- Quick prototyping
- Your sales team can use Mechano in combination with CADEC+ Empower to configure products online
- Pro-Innovation product\*

*\* Pro-Innovation is a term introduced by Mark Design in the area of design process automation. It highlights the importance of Proactive Innovation to always stay ahead of the game. It prompts the enterprises to set time aside to focus on research and innovating newer products, enhancing features of the existing products.*

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