



Cadec+ Foundation Datasheet

Innovation is the key to every business success – especially the manufacturing, engineering and process industries. The top two challenges that keep these companies always on their toes are:

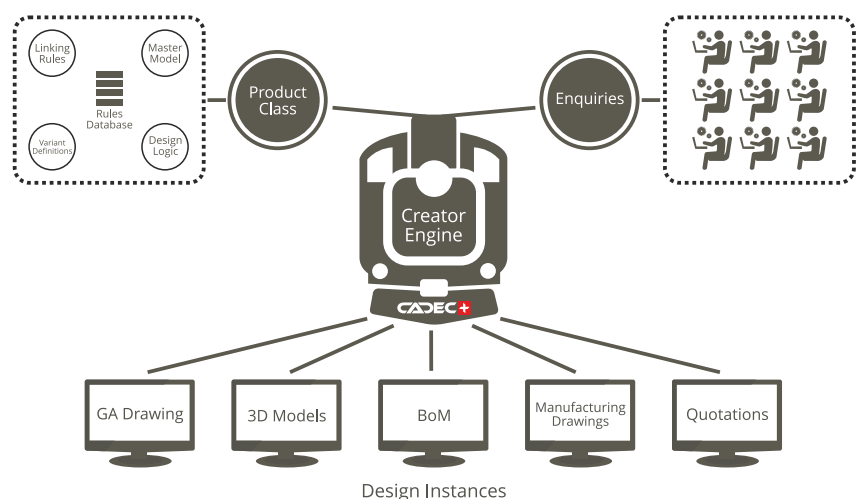
- Product improvisation or new product creation
- Quick-time-to market

To add on to the complexity, they need to achieve this while maintaining high quality and consistency. To truly be able to innovate, businesses need solution/s that's versatile enough to adapt to the ever growing product improvement needs and that works through the life-time of the enterprise.

CADEC+ FOUNDATION is a Master Model based configurator that simplifies the entire designing process for design engineers and exponentially improves the design time, output quality and BOM accuracy. It empowers the sales team to quickly configure & demonstrate the feasibility of new product or product feature to the customer, generate accurate cost sheets and quickly close the pre-sales cycle. CADEC+ FOUNDATION is a versatile, flexible tool, yet incorporates a disciplined methodology to ensure a high quality design.

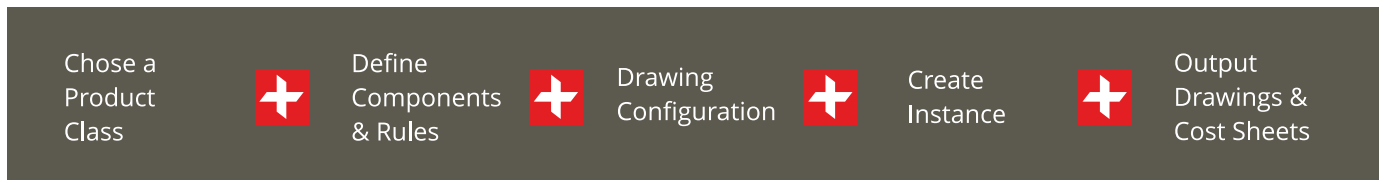
A CHILD'S PLAY

The user interface is highly intuitive which reduces the learning time. The entire process of design automation 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.



The system captures the data and metadata of the model developed through 3D CAD system in a database. You can define a product class and create instances with varied sizes and shapes on the fly.

END-TO-END PROCESS



SALIENT FEATURES

- Configurable for any custom designed product family
- NO Programming required; Easy-to-use
- Capturing knowledge base
- Defines calculation rules, umpteen geometry variations, sizes & shapes
- Automated enquiry validation for design feasibility
- IP security of design logic
- Available in development and runtime modes
- Tight integration with SolidWorks 3D CAD platform
- To-the-scale models and drawings
- Generates BOMs, quotations, cost-sheets from requirement specifications

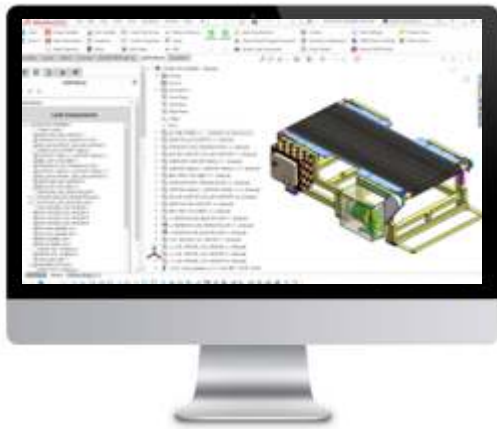
BENEFITS

- Reduced design time and cost
- Quick time to market
- Your sales team can use Foundation in combination with CADEC+ Empower to create proposals and respond to enquiries quickly
- Consistent quality and improved productivity
- Improved product scalability
- Product improvisation
- Optimizing Resource Management
- 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.*

STEP

1



INITIATE THE CRAWLER

Crawler collects all the information from assembly. It captures the model tree information of Sub-assemblies, Components, Features, Parameters and it makes available to the design engineers in a simple hierarchical format

VARIANT DEFINITION

Define Shape Variations, Mandatory & Optional components



STEP

2

STEP

3



DESIGN LOGIC

Define Size Variables, calculations and validations

STEP

4



SIZE LINKING

Link model parameters with design variables.

DRAWING CONFIGURATOR

Linking drawing with Product Class and configuring the 2D drawings



STEP

5

STEP

6



CREATOR

Choose a Product Class, Specify inputs and calculate & modify model, generate drawings and quotation

Call Now on **+91-20-64011848**
for a free demo of CADEC+ FOUNDATION.