

AUTO- NUMBERING



Automatically generate unique part numbers based on backend logics and output the parts list in a MS Excel file.

Compatible with Creo, SolidWorks and Inventor



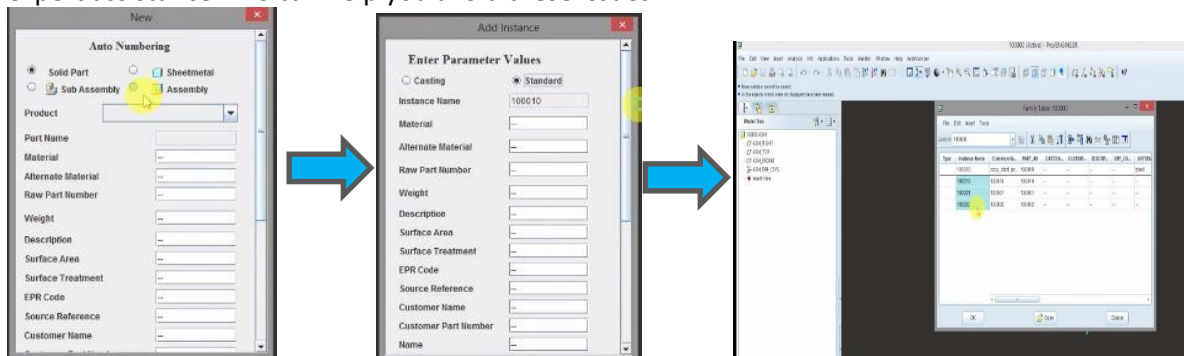
Auto Numbering Application

Application Overview / Market Segment Introduction:

Auto Numbering application is an add-on application developed for Creo (Pro/ENGINEER) that automatically generates unique part number (.prt, .drw and .asm file) and instance number based on backend logics. It also generates the output in a MS Excel file.

A part number is a unique marker of compiled attributes that defines the product. Part numbers are used within a company as a way for users and departments to identify and keep record of parts. Classifying parts in a standardized way can be productive in many manufacturing processes.

For a part number system to function well, it is essential to establish good processes for generating part numbers and to use a system that is well equipped to manage part numbers. Regardless of part numbering system, it is important to make sure to avoid duplicate part numbers. Using the exact number for two entirely different parts can cause serious problems including delays on the manufacturing line, error in BOM and incorrect part sourcing. These problems can ultimately hit your profit margin. Using the same part number for two different parts seems like an obvious downfall to avoid. It can happen when more than one user has the authority to create a part number or lack of sequence in part number creation. Additionally, reaching the end of a number series (e.g. 999) can cause confusion that may unintentionally lead to part number duplication. It is time to get expert assistance who can help you avoid these issues.



Current Scenario (Without Application):

User need to Manually:

- Actual practice to create the part number sequences.
- Create a separate document for the part number and instance for tracking.

Negative consequences:

- Human error will occur due to manual part numbers entry.

Positive Business Outcome:

- **ROI** – quick Return on Investment (ROI) considering the significant time savings.
 - **Speed** – Few click solution to generate the part number and instance.
 - **Enhanced User Productivity** - Eliminate Designer/Creo User's non-productive (manual entries) activities by saving up to 70% time.
- **Standardization** – Standardization of Process as per company standards.
- **Quality output:**



- **Error Free** – Eliminates errors that can be otherwise caused by multiple interfaces including typos, read errors, etc.

How it adds value:

- Works with PTC Creo (Pro/ ENGINEER) Base (Foundation) Licenses
- Few-click solution that automatically generates the part number and instance and generates the excel.
- Works in conjunction with PTC Windchill/ PDM-Link or Intralinks.
- Customized spreadsheet (Excel) output as per requirement.
- ECR/ECN, Engineering change order process
- Amalgamating product changes with Manufacturing and Service department
- Inventory control
- Product release processes & ERP integration

List of satisfied users:

- Madras Engineering Industries.
- Metalex.

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