

CADEC-PSM

CADEC-PSM is a CAD-Integrated Partmaster and costing solution which helps in taking quick decisions about costing, pricing and optimizing the usage of approved parts.

The machinery and equipment manufacturers has a dynamic & increasing product portfolio, so managing the part details like specifications, references, geometry details etc becomes a tedious work.

To have control on this part management they have a database called PartMaster.

Whenever a new part is released it needs to be added to PartMaster which stores all its relational details (database) like part number, drawing number, where used information, revision number, specifications, part geometry details, material details, quantities etc.

And also when many standard parts / assemblies are re-used in various product, there is a need to track specifications & where used information of the parts.

While calculating cost of any product they need to maintain a separate metadata of costing parameters like material wt, machining cost, labour costs etc and with the help of these details and part master details they manually calculate the cost. It becomes difficult to calculate the cost manually when there is a change in metadata or PartMaster.

Also while calculating the cost they need to consider the new revisions of parts and impact of design changes on cost.

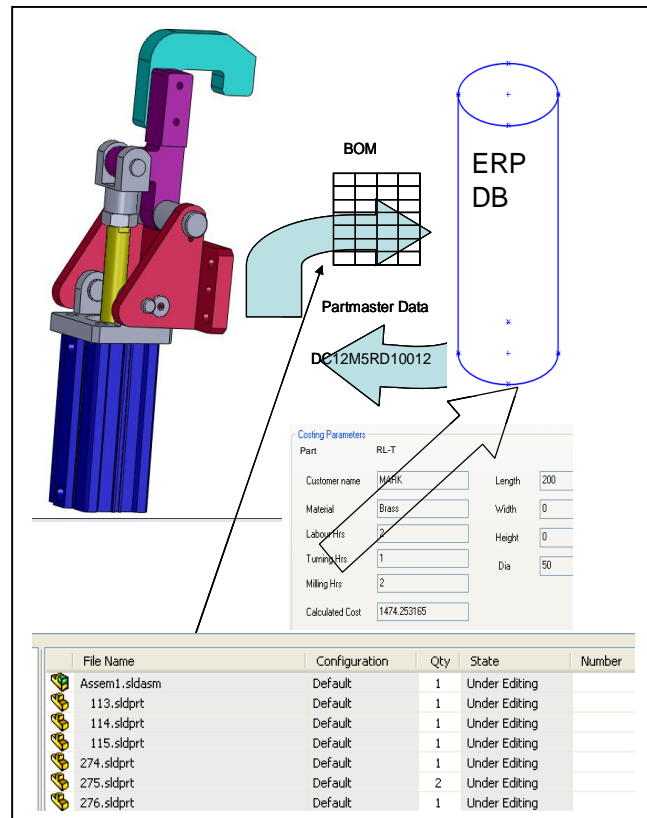
CADEC-PSM offers a **CAD integrated PartMaster and costing solution** for machinery and equipment manufacturers.

CADEC-PSM is a **decision support tool** for Product Costing, pricing and optimizing the usage of released parts.

CADEC-PSM helps you in:

- Auto adding new parts information in PartMaster
- Auto-updating PartMaster for changes in metadata
- Deriving cost parameters from product structure
- Integrating PartMaster with ERP
- Managing Bill Of Material

- The CADEC-PSM database can be integrated with ERP
- CADEC-PSM is based on Microsoft Access database and is integrated with SolidWorks Mechanical CAD documents.
- CADEC-PSM can be used in LAN / web for better collaboration.



Features of CADEC-PSM:

- CADEC-PSM captures the **metadata** of the CAD files and updates the PartMaster information.
- It captures the **product structure** (part number and quantities used in multi-level assemblies) and it has its own PartMaster database.
- Every new document is reviewed by name, description, specified custom properties and geometry properties, modified and approved status.
If the new part is **found unique**, then its details are appended to the PartMaster.
- Once the data is added to PartMaster, any **authorized user** can access the metadata without having to access the actual CAD data.
- The information can be useful for product **costing and process planning**.
- CADEC-PSM also captures the **cost information** like material weight, matching costs, labour costs, etc and maintains a rate master to update the cost.
- With the product structure information combined with part metadata, it can give bill of materials for design / development documentation, combined BOM and exploded BOMs for **material requirement planning**.



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