

SAP Variable Configuration and BDE model:

Material – Represents product or component. It can be either fixed or configurable. Configurable materials can be used to represent different specifications for the same product.

Characteristic – Represents each specification of the material. Can be of many data types (numeric, character etc.) and contain unique or calculated values.

BOM – Contains list of components assigned to a material. Each component can have a selection condition and variable quantity.

Class – Contains all the characteristics that a material will require. Classes can be assigned to one or several materials.

Dependency – Defines values, calculations and conditions for characteristics as well as selection of materials in BOM.

Profile – Connects classes and dependencies to materials.

BDE table – Contains the data that gets written into XML. They can be assigned to one or several materials. The XML files are then transferred to Salvagnini OPS for nesting and production.