



Accelerating machine recipe generation with the Siemens Assembly Package Service

What is the issue: The rapid growth in New Product Introductions (NPI) and revisions, leads to longer programming cycles and impacting overall efficiencies.

Why is generation of new machine recipes an issue? When there are multiple new components in a new product, these components have to be added to the machine library. The current process is manual, long and error prone.

Our solution: Siemens is offering a cloud-based Assembly Package Service powered by the Valor Parts Library (VPL), the industry's leading geometric repository with over 100 billion parts, the service automatically matches the exact component geometry based on the Manufacturer Part Number (MPN), and returns the assembly package including the component body outline and pin information in the ODB++Process format (formerly OPM).

How: The machine programming application sends a BOM file with all new components to the Siemens Assembly Package Service. The online service locates the required components and generates the components' shapes and sends the data back to the machine application.

What data is needed: A list of components with the manufacturer name and part number.

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