

# WORKS Programming

## Central process control for optimal results starting with the first PCB



Having an efficient and seamless process for introducing new products is crucial in modern high-mix/low-volume SMT factories, with a powerful and centralized programming environment for printers and placement machines being the key to success.

Field-tested and continuously improved, WORKS Programming combines the programming of solder paste printers and placement machines in a central solution, thus enabling the efficient and precise generation of recipes on the basis of imported CAD data and an object library for components, fiducials, squeegees and solder application processes, to name just a few. Intelligent synchronization ensures a consistent data pool across multiple databases and facilities fast, intuitive programming. Market-leading functions for offline simulation and optimization ensure that the production line delivers usable products from the start.

### Efficiency and precision from order receipt to the first finished products



#### No production interruptions

WORKS Programming lets you create programs in the comfort of your office while the SMT line continues to churn out products.



#### Efficient import

Geometry data can be transferred quickly and easily from CAD files.



#### Central database

A client-server system ensures that library objects such as components or cleaning profiles are available at all times and at every programming station.



#### Intuitive user interfaces

A modern GUI with dynamic visual feedback and many helpful functions, such as alternative components, makes SMT programming easy and efficient.



#### Stringent process control

A central data management system with library objects that are linked to the programs ensures that defined processes are used across multiple products, DEK and SIPLACE machine types, and production lines.



#### Centralized across multiple locations

A single programming system for all SIPLACE and DEK machines makes it possible to instantly port programs to any line without having to reprogram, including between physical locations.



#### Robust security concept

Granular and personalized access controls ensure maximum security across all applications.

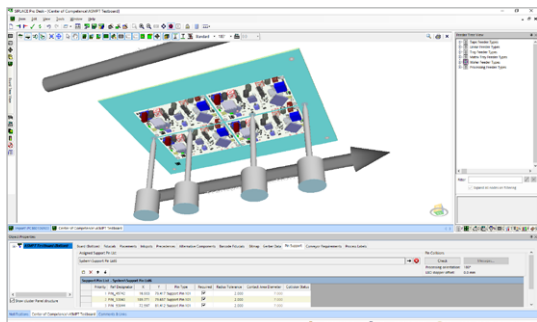


#### Offline optimization

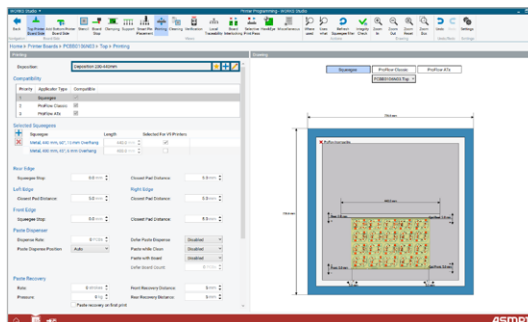
With WORKS Programming you can simulate and optimize programs immediately after creating them to make sure that the line delivers usable products from the very start.

## A single program for the entire NPI process – across the enterprise

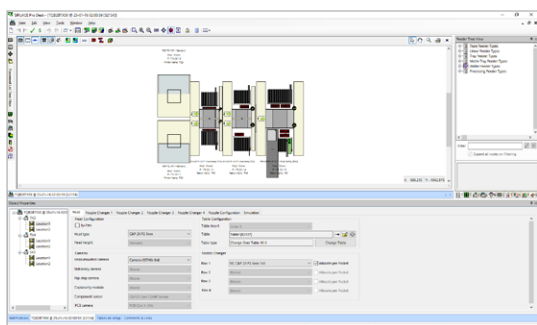
WORKS Programming: An intuitive graphical user interface, data import capabilities and a central library make new product introductions quick and easy.



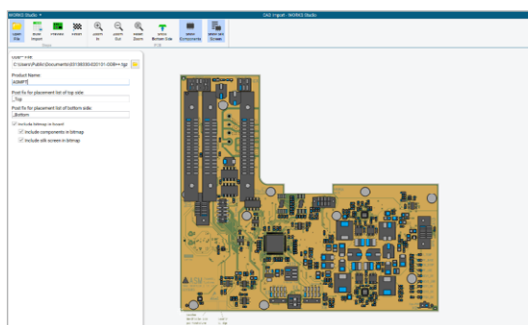
Positioning of support pins



PCB information for solder paste printing



Line setup optimization



CAD data import

## Your benefits at a glance

- Intuitive, graphically oriented programming
- A uniform programming environment for all SIPLACE and DEK machines
- Enter object data only once
- Separation between programming and production
- Market-leading optimization functions
- Programming across multiple lines
- Data exchange across sites
- Consistent data in separate line databases thanks to synchronization with master database
- Robust security concept



More about  
WORKS Programming

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