

## OPTIPASTE - Advanced Solder Paste Management

Maximize Efficiency, Precision, and Reliability in SMT Assembly

OPTIPASTE revolutionizes solder paste management by automating the tracking and conditioning of materials directly from the refrigerator to the production line.

It ensures optimal use by monitoring expiration dates and acclimatization times, seamlessly integrated with the Opcenter IoT Manufacturing database.

### Why choose OPTIPASTE for Solder Paste Management?

#### Effortless Expiration Management

With OPTIPASTE, never worry about using expired materials again. It automatically tracks and manages the expiration dates and life cycles of your solder paste, directly from storage to use. This ensures that only fresh, effective materials enter your production process, reducing waste and enhancing product quality.

#### Optimized Material Acclimatization

OPTIPASTE meticulously monitors the acclimatization time of solder paste, ensuring it's ready for use without compromising on quality. This critical feature prevents premature use, safeguarding against potential defects and rework, thus saving time and resources.

#### Seamless Shopfloor Integration

Fully integrated with the Opcenter IoT Manufacturing database, OPTIPASTE streamlines your operations by providing real-time data on material status. This connectivity allows for a smooth workflow and the ability to quickly address any issues, enhancing overall production efficiency.

#### Intuitive User Experience

Designed with the user in mind, OPTIPASTE boasts a friendly and straightforward interface that simplifies solder paste management. It requires no additional hardware installation, making it an accessible tool for all staff levels, thereby reducing training time and accelerating adoption.



Effective solder paste management is crucial as it ensures the integrity and reliability of electronic assemblies by maintaining optimal paste quality and preventing defects.

## Requirements

- Valor IoT Manufacturing (Shopfloor) Version 12.x or later versions
- Window 7 or later versions
- .NET Framework 4.0 or later versions

## Functionalities

- Expiration date provided by Supplier
- Time Conditioning (Out of fridge before use)
- Max Time of the CLOSED packaging (Out of fridge)
- Min Time of the OPEN packaging (Out of fridge)

## User Interface

Product	Batch	Lot	Expiration Date	Insertion Date	Time Conditioning	Max Time of the CLOSED packaging	Min Time of the OPEN packaging
100	1000000	1000000	2020-12-31	2020-12-31	0	0	0
101	1000000	1000000	2020-12-31	2020-12-31	0	0	0
102	1000000	1000000	2020-12-31	2020-12-31	0	0	0
103	1000000	1000000	2020-12-31	2020-12-31	0	0	0
104	1000000	1000000	2020-12-31	2020-12-31	0	0	0

### Inside Fridge:

- List of Solder Paste that has ben inserted
- Expiration Date, Inserted date time and the Cumulative time that the Solder Paste has been out of the fridge (closed package)
- Possibility to Filter by Expiration Date
- Possibility to use a Hand scanner for the insertion of the material codes

Product	Batch	Lot	Expiration Date	Insertion Date	Time Conditioning	Max Time of the CLOSED packaging	Min Time of the OPEN packaging
100	1000000	1000000	2020-12-31	2020-12-31	0	0	0
101	1000000	1000000	2020-12-31	2020-12-31	0	0	0
102	1000000	1000000	2020-12-31	2020-12-31	0	0	0
103	1000000	1000000	2020-12-31	2020-12-31	0	0	0
104	1000000	1000000	2020-12-31	2020-12-31	0	0	0

### Outside Fridge:

- List of Solder Paste that has ben released with this tool for the usage in production
- In Gray: Information of material
- In Blue: Reference time of the Solder Paste
- In Red: Parameter inserted during the configuration
- In Green: Countdown in RealTime