



# MBtech

 WORLDWIDE  
HIGH PRECISION  
CLEANING SYSTEMS

 *Your cleaning expert-partner!*

PRINTING

DEFLUXING

MAINTENANCE



 **SINCE 1993**



## OUR HISTORY

**1993** MBtech founded

**1998** Filtration system patent and 1<sup>st</sup> **N29** stencil cleaner designed

**2002** Development of **NC25** PCB cleaner

**2008** Introduction of **MC200** maintenance cleaner

**2010** Launch of 1<sup>st</sup> generation **traceability software**

**2012** Development of **N29AUTO** stencil cleaner

**2013** 1<sup>st</sup> machine in the world to monitor cleaning agent concentration

**2014** 1<sup>st</sup> **NC25E** PCB cleaner

**2016** Development of **AL automatic loading / unloading module** for **NC25**

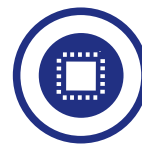
**2019** Presentation of **N29HV** in-line stencil cleaner concept

**2021** Automation of **NC25** range / **N29HV** AL variant

## OUR EXPERTISE & TECHNOLOGIES

### PRINTING

*Stencils - Squeegees - PCBs*



### DEFLUXING

*Bare Boards - PCBAs  
Wafers - DCB - Lead Frames  
Power Modules*



### MAINTENANCE

*Wave solder pallets - Oven filters  
Coating frames - PCBs*



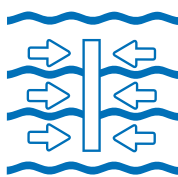
### TRACEABILITY

**MBtech** products offer precise monitoring and feedback for the cleaning process. Our software solution enables all data to be collected, providing genuine traceability of the parts being cleaned.



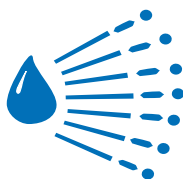
### SPRAY UNDER IMMERSION

**MBtech's** patented technology allows for perfect cleaning of the most complex parts. The residues to be removed are in permanent contact with the cleaning solution. The combined action of the spray under immersion system and the vertical agitation of the parts offers an integral cleaning without any shadow effect.



### 3D SPRAYING

Developed by **MBtech** for the **MC200** process, this 3-direction spraying system (top, bottom, side), coupled with a rotating basket, offers total exposure to spray and cleaning solution.



### ULTRASONICS

Designed and produced by **MBtech**, this system offers a fast and comprehensive cleaning action. The special feature of our equipment is its ability to adapt to the cleaning conditions. Real-time feedback on correct operation.



### CLOSED LOOP

A key point of the **MBtech** philosophy, all our processes benefit from adapted filtration systems for a greater respect for the environment, as well as a drastic reduction in operating costs.



# PRINTING

Stencils  
Squeegees  
PCBs

## MAIN APPLICATIONS

- Cleaning Lead or Lead Free solder paste
- Cleaning SMT adhesive
- Self-tensioning or frame stencils
- Format up to 29" and more on request
- Printing support
- Mis-print PCBs
- All squeegees brands

## PROCESS DESCRIPTION

**Unique** immersion cleaning process

**Patented double filtration** for maximum lifetime of wash solution

Perfect cleaning **in only a few minutes** by specific ultrasonics

Cleaning by **patented spray under immersion system** (optional on some models)

**Compact and robust** stainless steel equipment

No water rinsing

**The most economical and environmentally friendly process**

## PRODUCTS & OPTIONS

**N29** > Ultrasonic cleaning and dripping

**N29E** > Active hot air drying

**N29SA4** > Semi-automatic model with lift

**N29AUTO** > Automatic, spray under immersion cleaning (optional)

**N29HV & N29HV-AL** > In-line machine for large volumes or high flexibility

- Wide choice of supports and adapters
- Traceability software
- Automatic fluid refill
- Cleaning fluid concentration monitoring
- Workstation layout and storage facility...





# DEFLUXING

## MAIN APPLICATIONS

- Flux cleaning on SMT and THT boards
- Inter-operation, before coating
- Cleaning of components
- Defluxing after rework
- Conformal coating stripping
- Surface preparation of bare boards

Bare Boards  
PCBAs  
DCB  
Power Modules  
Lead Frames  
Wafers

## PROCESS DESCRIPTION

High precision cleaning

Spray under immersion process

Patented double filtration

In-line multitank design

Operates in a closed loop **without any cleaning fluid or water waste**

**Lowest operating cost** on the market

Unique vacuum drying technology



## PRODUCTS

- **NC25E** > 3-stage process (Clean, Rinse, Dry)
- **NC25** > 4-stage process for medium to high volume production, with additional rinsing tank
- **NC25AL** > Version with automatic loading and unloading of frames into storage carts
- **NC25XL & NC25XL-AL** > Extended machine for large volumes or parts

## & OPTIONS

- Wide choice of supports and adapters for all types of parts
- Traceability software
- Specific ultrasonic cleaning
- Automatic tank refilling
- Cleaning fluid concentration monitoring
- High precision cleaning fluid dosing module
- Workstation layout and storage of cleaning supplies...





# MAINTENANCE

## MAIN APPLICATIONS

- Flux cleaning
- Conformal coating stripping
- Maintenance of mechanical parts of your assembly line
- Dust removal

Wave solder pallets  
Oven filters  
Coating frames  
PCBs



## PROCESS DESCRIPTION

**Robustly built automatic machine** with high load capacity

**Three-directional spray cleaning process** with rotating basket

**Avoids shadow effect**

Water-based cleaning **with or without water rinsing**

**High capacity hot air drying**

## OPTIONS

- Customised part holders
- Rinsing
- Active dripping with air curtain
- Traceability software
- Automatic fluid refill
- Cleaning fluid concentration monitoring



# MBtech

● WORLDWIDE  
● HIGH PRECISION  
● CLEANING SYSTEMS



## OUR COMMITMENTS

### ● REACTIVITY & HUMANITY

**MBtech** is a family business that places customer satisfaction at the centre of its development.

### ● RELIABILITY

**MBtech** is a reliable partner, attentive to your needs, with an optimal Banque de France rating.

### ● ECO-RESPONSIBILITY

**MBtech** makes it a point of honour to offer robust and scalable products and processes for greater sustainability.

## OUR SERVICES

- Complete, customised and turnkey solutions,
- Demonstration and analysis centres around the world,
- Customer demonstrations on-site or via live video,
- Customised maintenance and calibration contracts,
- Supply of consumables and water treatment services,
- Financing and equipment rental.

EUROPE ● AMERICAS ● ASIA



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