



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 1st **N29** stencil cleaner designed

2002 Development of **NC25** PCB cleaner

2008 Introduction of **MC200** maintenance cleaner

2010 Launch of 1st generation **traceability software**

2012 Development of **N29AUTO** stencil cleaner

2013 1st machine in the world to monitor cleaning agent concentration

2014 1st **NC25E** PCB cleaner

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

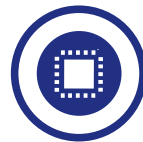
2019 Presentation of **N29HV** in-line stencil cleaner concept

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*



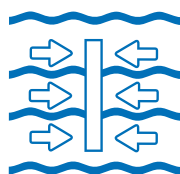
MAINTENANCE

*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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