

Injet® 388-MCD

DCT
development
chemical
technologies

DCT Czech s.r.o. / Tovární 85 / 679 21 Černá Hora / **Tel.:** +420 515 539 762 **/ e-mail:** info@dctchemicals.com **/ www.dctchemicals.com**



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A single-chamber spray-in-air fully automated vertical cleaning machine.

Developed to:
> remove the solder paste and SMD adhesives from the stencils, pumprints, squeeges and misprinted PCBs;

Injet® 388-MCD, Brief Summary - standard kit:

> fully automated processes of the cleaning and drying - all in a single process chamber;
> device may be installed directly in the production - it does not require any safety or other spec. measures;
the device may be connected to the central ventilation, air-conditioning. Diameter of exhaust pipe is 100 mm;
> all processes can be easily set up in switch board and controled from control and operator panel (5, 6) with option of 3 type of programs for cleaning and drying available;
> temperature of the cleaning fluid and drying pressure air adjustable by the user (cleaning fluid max. 60°C, pressure air max. 60°C);
> all the parts of the device are easily and readily accessable for the operating, maintenance and service purposes (3 a 4);
> level of cleaning fluid in the storage bath monitored electronically, the operating staff is informed about the status on the control panel - manometer (5). In case the minimum level of fluid in sotrage bath will apper cleaning machine automatically stop;
> comfortable drainage of the cleaning fluid from storage bath;
> mechanical filtration (7) provides removeing of mechanical residues from cleaning fluids;
> pollution of the cleaning fluid's mechanical filter monitored – the operating staff informed about the status on the front panel (6) by manometer. In case the maximum presure in mechanical's filters will appear, cleaning machine automatically stop - protection of the pump against a damage;
> comfortable insertion of stencils/frames into the process chamber (2). Insertion is lighten by rotating valves on the bottom of fixation frame;
> stencils/frames placed inside slightly tilted to increase the drainage of fluids from cleaned surface - drying support;
> process cycle counter, the operating staff informed about the status on the control and operator panel (5, 6);
> 3 type of programs for cleaning and drying available;
> frame, storage baths, piping, process chamber - completely made of stainless steel - extended warranty 7 years for mentioned stainless steel parts;



1. front view



2. process chamber



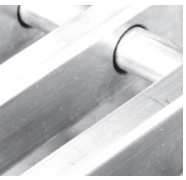
3. rear view - right side



4. rear view - left side

Brings new ideas to long standards

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> mounted on lockable wheels for easy manipulation;
> environmental-friendly - Injet® 388-MCD uses water-based cleaning fluids produced by company DCT Czech s.r.o.;
> controled exhaust valve, which is automatically blocked during cleaning and rinsing - cleaning fluid savings;
> warranty 7 years* for stainless-steel parts (piping, process chamber, frame and shell), warranty 2 years for the other components;
** does not cover surface oxidation*



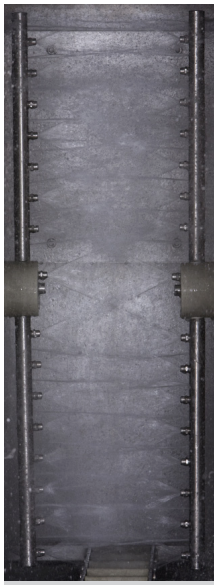
5. detail - control panel



6. detail - operator panel


7. detail - mechanical filtration


8. detail - spray technology


9. detail spray 1


9. detail spray 2


9. detail spray 3

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Recommended Cleaning Process

For the efficient cleaning we recommend the following:

Cleaning Fluid:

Decotron® 250, 250/25, 270

Processes (depending on the respective application):

cleaning:	*3 – 7 min, 20 – 45 °C/ 2,4 Bar*
drying:	*10 – 13 min, 40 to 60°C/ 380 m³ / hour*

> The device works fully automatically, just insert the stencil/frame to the empty process chamber (2) and start the process on the front panel.

Optional Accessories:

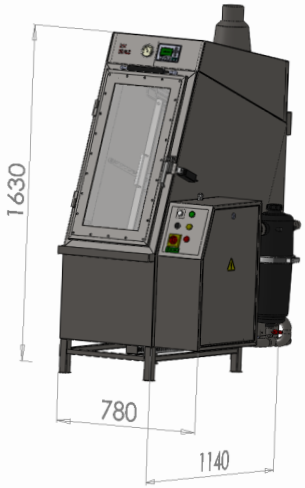
> carrier frame for misprinted PCBs
> carrier frame for squeegees
> carrier frame for VectorGuard stencils
> carrier frame for frameless stencils
> status light which helps indicate process stages
> external pump, help to confortable draining and filling of cleaning fluid from reservoir tanks

Technical Data:

power supply:	*3N/PE AC50Hz 400/230V, 6,5kW*
weight:	*250 kg*
ambient temperature:	*15 to 50 °C*
min. / max. volume of cleaning fluid for use:	*60 / 75 liters*
maximum dimensions of stencils and frames:	*800 x 800 mm*
noise level:	*< 55 db*
size of polypropylene mechanical filter - cleaning fluid:	*20 µm standard (10 µm available)*
volume of pressure air - drying:	*380 m³ / hour*
cleaning fluid pressure:	*2,4 Bar*
diameter of exhaust pipe:	*100 mm*

Basic Dimensions:

> device's ground plan: 780 x 1140 mm
> device´s high is 1630 mm
> the service space 600 mm required by the manufacturer on the side and the rear



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