



BETTER SOLUTIONS



TECHNICAL DATA SHEET

AirJet® 377



- ★★★ **STENCIL** pre-cleaning
- ★★★ **SQUEEGEES** pre-cleaning
- ★★★ **REFLOW** and **SOLDERING PARTS** pre-cleaning



GENERAL INFORMATION

The AirJet® cleaning systems represent unique air-bubbling technology developed and manufactured by DCT.

Air-bubbling technology machines are developed for gentle yet highly efficient maintenance cleaning of reflow and wave soldering machines such as soldering frames, filters, heat exchangers, etc.

AirJet® 377 is a simple single-chamber cleaning device.

It is designed primarily for pre-washing stencils and squeegees, which are then professionally and fully automatically cleaned in InJet® series cleaning systems. Stencils and squeegees pre-washing reduces the contamination of the cleaning fluid in the InJet® cleaning machine, and also speeds up the overall process time.

The device is also used as a so-called „wet waiting station“. Placing stencils and squeegees in the bath before the position in InJet® is vacated prevents drying and further hardening of solder pastes on stencils or squeegees.

AirJet® 377 can also be used for pre-washing other parts such as: reflow and wave soldering machine parts – soldering pallets, frames, jigs, filters, heat exchangers, etc.

AirJet® 377 is not a full-fledged cleaning device, the part pre-cleaned in this device must always be subsequently inserted into a full-fledged cleaning device, which ensures a controlled cleaning, rinsing, and drying process.



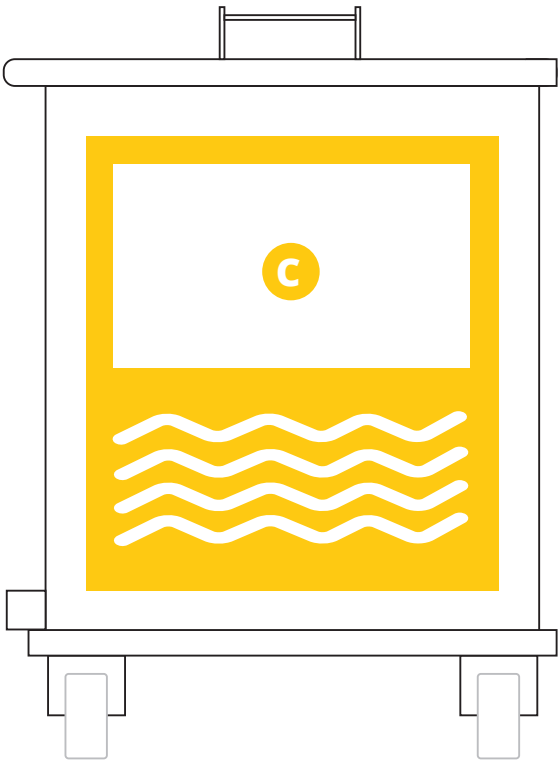
Depending on your cleaning requirements, the DCT project manager, in collaboration with a local distributor, will advise you on a suitable water-based cleaning fluid and the correct setup of the entire process.



1 INDIVIDUAL PROCESS



PRE-CLEANING



TECHNICAL PARAMETERS

	<i>metric units</i>	<i>imperial units</i>
Dimensions (w x l x h)	520 x 920 x 1060 mm	20.47 x 36.22 x 41.73 in
Weight	95 Kg	209 lbs
Max. dimensions of the cleaned parts	310 x 790 x 700 mm	12.20 x 31.10 x 27.55 in
Noise level	< 70 dB	< 70 dB
Working temperature range	15-50 °C	15-122 °F



INSTALLATION REQUIREMENTS

	<i>metric units</i>	<i>imperial units</i>
Connection to central air pressure	Pipe Ø 6 mm	Pipe ID 0.24
Recommended working pressure	2 Bar	29 PSI
Exhaust pipe diameter	Ø 100 mm	ID 3.94 in
Exhaust pipe capacity	50 m³/h	164 ft³/hod
Volume of the storage tank	200 l	52.83 gal
Service space required around the device	600 mm	23.6 in



STANDARD HARDWARE EQUIPMENT

1 process chambers

Manipulation wheels – lockable

Spare parts (base kit)

Bath drain valve

Maximum level line

Removable lid with storage position

Adjustable bubbling pressure



OPTIONAL ACCESSORY

Fluid leakage tray - stainless steel

External pump for comfortable fluid refilling

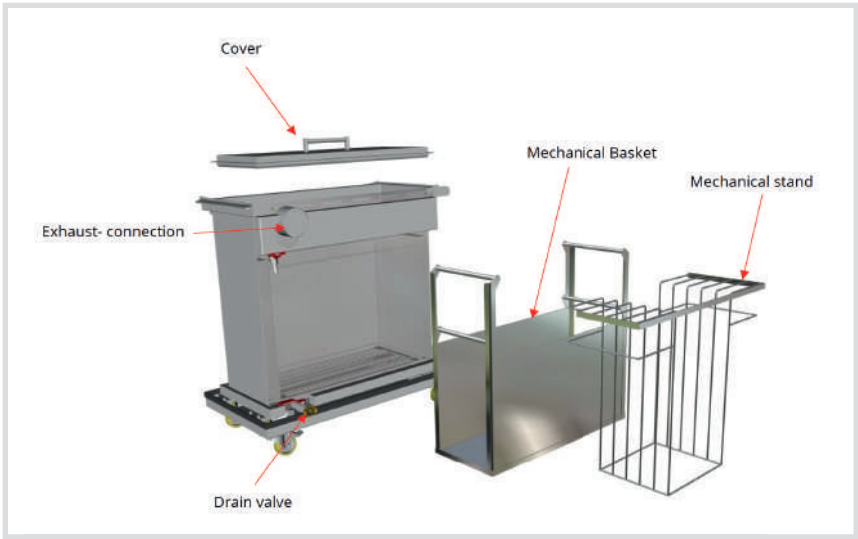
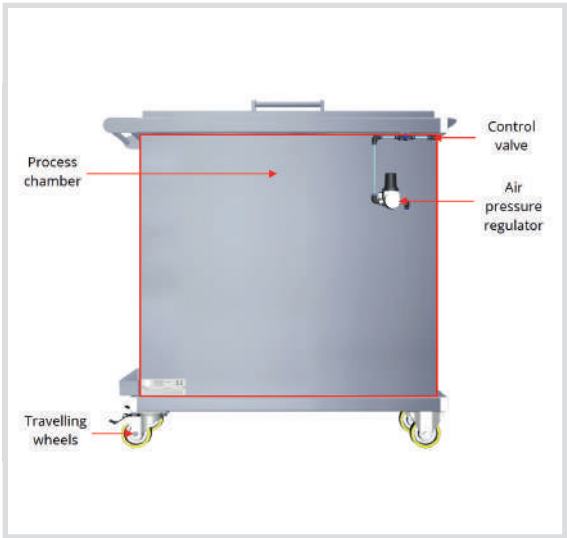
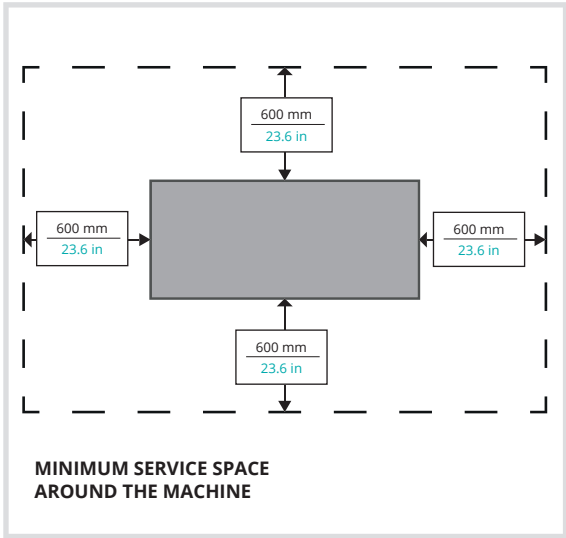
External pump manipulation trolley – position for pump and 2 x 25 liter can

Mechanical frame holder in process chamber

Mechanical basket

Other customized modifications

Other optional equipment - the complete list of optional accessories will provide you DCT or the local distributor.





DCT QUALITY

All of the InJet®, AirJet® and Sonix® cleaning systems developed by DCT are characterised by the highest quality on the market, high reliability, ease of use, simple maintenance, an extremely long lifespan, and the longest warranty on the cleaning system market.

These afore-mentioned benefits are achieved by the **precise manual production** of the machines in the Czech Republic, and thanks to the superior quality of the used materials and components.

Cleaning systems boast a **unique all-stainless-steel construction**, which is welded manually from AISI 304 and AISI 316 stainless steel and then chemically passivated.

The cleaning systems are designed and manufactured with a focus on **ease of use** by operators, **simple maintenance**, and **smart process parameter setting**. They are equipped with industrial PLC IDEC, a well arranged colour touch display with 3-level access (operator, maintenance, engineer), and with 5 adjustable cleaning programmes as standard.

The device **automatically and permanently checks** all **processes, operating fluid levels** and **process temperatures**, and also gives timely notification of the need to replace individual consumables or fluids.

Monitoring of the cleaning process history, whether offline or online, is ensured by an optional traceability function.

A wide range of **standard hardware** and **software equipment** is available for every cleaning system. However, DCT also excels by its **flexibility when resolving non-standard** machines and their accessories.

Our machines, together with our cleaning fluids and local application and technical support, bring you a long-term reliable, powerful and stable cleaning process, even under the most demanding continuous operation conditions.

With all its cleaning systems, DCT offers a **wide range of hardware and software equipment**, special frames with hitches for the parts you want to clean, and countless variants in addition to the basic process monitoring options which use traceability.



For more information, a list of options and a selection of suitable equipment, please contact a DCT specialist in your country or the manufacturer directly.

STAINLESS STEEL DESIGN:

- main support frame
- storage tanks
- process chambers
- fluid and air distribution systems
- spray arms and nozzles
- mechanical high-capacity filters
- process chamber door frame and handle
- external shielding
- active filters for rinsing DI water



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AirJet® is a registration trademark of DCT Czech s.r.o.

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