

## CBR's Swiss Made Ink Jet Remanufacturing Equipment



# CBR ENGINEERING

For the last 20 years, CBR-E has developed and produced inkjet remanufacturing equipment, supplies and processes. The modular construction allows customized adaptation for all sizes of production. After a professional cleaning, filling and testing, refilled inkjet cartridges can be reused without quality restrictions. For this remanufacturing process CBR offers long-term proven equipment and accessories.

For many years refill shops as well as industrial remanufacturers rely on our products.

High quality is not expensive! Check the prices, check the facts:  
SWISS Quality products are affordable.

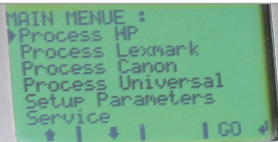


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CBR ENGINEERING AG



## Production equipment

### ProFill 155 TP - Touch Panel operated filler



The professional vacuum filling unit is suitable for all sizes of inkjet remanufacturers and refillers. Automated filling process. PLC with Touch Panel operation!

The ProFill 155 is a professional inkjet cartridge refilling machine able to fill all types of inkjet cartridges under vacuum. This machine incorporates the latest program, pump and vacuum technology enabling cartridges to be filled to OEM weights! An accurate measure of ink and the parameter settings ensure a fully automated cycle of the filling process, including 8 single selectable ink lines.

#### Filling capacity at 90sec. cycle time:

2 colour cartridges: 80 cartridges per hour  
6 black cartridges: 240 cartridges per hour

#### Technical data:

Built-in vacuum compressor:

Switchable ink lines:

Stainless steel:

Optional:

Power:

-0,85Bar /-640Torr, Vacuum gauge 0 - -1Bar

8 direct ink inlets

Housing, vacuum box, work plate

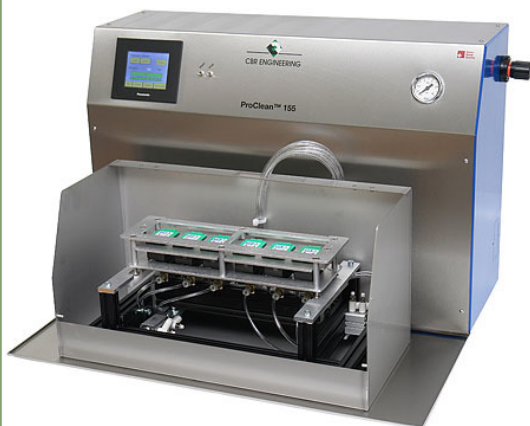
Head filling adapter for HP 45/15 cartridges

Additional vacuum chamber

Additional ink lines

Power supply 110 - 240 V 50/60 Hz / 24Volt

### JetClean 155 - Automated spray cleaner



Rack-based high volume atomizers spray cleaning unit, for nozzle plates and firing chambers. Fully automated process. Selectable 3 or 6 nozzles operation (depending on compressor size). Touch screen control PLC. Rack insertion used for multiple types of black & colour cartridges. It is a very effective way of cleaning cartridges. For use with cleaning fluids. The spray is set to an angle 10° for optimised cleaning effect. Including 1 piece 6up rack for HP3xx series. Racks for different cartridge types available.

#### Cleaning capacity at 90sec. cycle time:

3 nozzles operation: 120 cartridges per hour  
6 nozzles operation: 240 cartridges per hour

**NEW: JetClean 155 NP**  
**For NEOPOST 25/35 Cartridges!**

#### Technical data:

Racks available:

Air connection:

Air consumption:

Power:

HP 50, 300 series, 78, 45 cartridges

4-6 Bar

3 nozzles at 4 Bar: 108 L/min. (6 noz. 216 L/min.)

Power supply 110 - 240 V 50/60 Hz / 24Volt



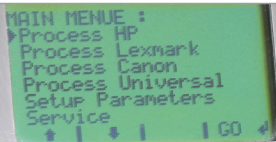
6up universal rack

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### FlushClean 155 - Automated sponge cleaner

Rack-based high volume flushing unit, for flushing of the internal cartridge **sponge**. The machine cleans 6 cartridges at once, fully automated, easy changing of fixtures. PLC with touch screen control. Rack or individual cartridge insertion used for all types of black & colour sponge core cartridges. For use with cleaning fluids, 10 different cleaning modes programmable. Cleaning lines can be operated individually.

**Cleaning capacity at 180sec. cycle time:**  
6 colour cartridges: 120 cartridges per hour  
18 black cartridges: 360 cartridges per hour

**Technical data:**

Racks available:  
Water connection:  
Water consumption:  
Power:

Rack or individual cartridge insertion  
6 water hoses, direct DE water connection on request  
60ml / min (36lt/h) per line  
Power supply 110 - 240 V 50/60 Hz / 24Volt



### ProFilloMat 155

Based on the ProFill155 the ProFillomat155 operates touch screen controlled Jeros AutoFillomat. Instead of the foot pedal operation the ProFillomat155 will, after insertion of the cartridges, run the filling process of the cartridges fully automated. Parameters can be set in 25 different recipes in the program logic control. Optionally up to 4 AutoFilloMat units can be operated with the same unit!

**Filling capacity:**  
180 – 240 cartridges / h (1 AutoFilloMat)  
720 – 940 cartridges / h (4 AutoFilloMat)

**Optional:** Stainless steel cylinder



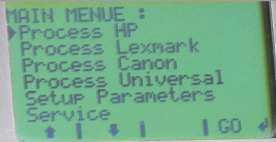
### The InkFill 155

The InkFill155 is a refilling unit for 10/11/88 HP cartridges. The unit will empty, prime and seal these cartridge types automatically. After taking off the cartridge bottom and loosening the shutter ball manually the InkFill 155 will handle the whole process automatically. Controlled by an internal PLC the unit will empty the old ink, fill the new ink and prime the cartridge. Sensors will control the filling result and prime the cartridges as necessary.

The InkFill155 with combined adapter for HP10/11/88 AND HP72

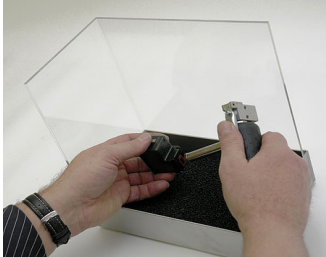
**Filling capacity at 60 sec. cycle time:**  
1 cartridge per cycle: 60 cartridges per hour  
Power supply 110 - 240 V 50/60 Hz / 24Volt

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## Shop Equipment

### Cleaning Equipment



#### ShopClean 55

Universal nozzle plate cleaning unit (jet atomizer) for all cartridge types. Effective and gentle cleaning of the print head from the nozzle up to the firing chamber and dissolving dried ink and pigments. Only air pressure (60-90psi) required! Direct hook up to the air compressor for all print head type cartridges recommended. Special stainless steel atomizer with 10° spraying angle! Fluid consumption at 3 bar ~ 25 ml.



#### VacuumBoiler 105

For all sponge type cartridges for effective rehydration in all capillaries in inkjet cartridges. Timer controlled for up to 20 color or black cartridges per cycle, with separator for humidity condensate release, VacuumBox in stainless steel.



#### ServiceUnit 55

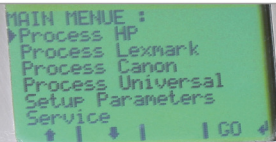
Internal cleaning system for all kind of inkjet cartridges. The unit combines priming, flushing, filling, air support in one! Sponge flushing device for cartridges with dried sponge and color contamination (cross contamination). For 1 color cartridge or 3 black cartridges in one cycle.



#### ShopDrain 100

The most effective way to extract old ink from cartridges. Universal centrifuge with adapter for all common cartridge types. The adapter holds up to 12 cartridges straight allowing emptying all ink or cleaning fluid through the nozzles. A must for all remanufacturing operations to empty sponge core cartridges.

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## Filling Equipment



### ShopFill 55

The Smallest and most reliable and efficient vacuum filling unit with modular functions! Together with the **new timer option** this unit can handle also serial inkjet refill production. Ink tubes then can be connected direct to the top ink connectors. The timer will then control the applied ink in the cartridges.

> **Vacuum filling function:** Integrated dispensing valves support all ink lines simultaneously for gentle and slow filling. For all type of color and black ink jet cartridges under vacuum condition!

> **Boiling function (optional):** Vacuum boils the cartridges in the VacuumBoxx



> **Timer (optional):** Setting the filling pump running time for an easy serial production

## The Ink Jet Shop Work bench set



This recommended production work bench set consists of equipment that supports the best possible product quality for print head type cartridges.

### Franchise Store approved:

This set is usually a part of franchise store equipment or higher volume refill stores requirements to reach best possible refill quality.

### Production steps as the Industry uses:

To reach the best possible remanufacturing yield and product quality this production steps are essential. Vacuum boiling – Spray cleaning – Flushing – Centrifuging – Vacuum filling are the Steps which we support with the Work bench set. With these steps you will reach the best possible results: **WE GUARANTEE!**

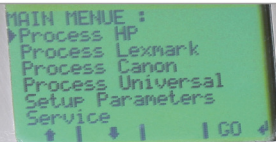
### The Work bench consists of:

- ShopFill 55 (opt. with Timer)
- ShopClean 55
- VacuumBoxx
- ServiceUnit 55
- ShopDrain 100

Capacity based at 2min cycle:

Volume appx. 240-300 cartridges per day.

This will give you the best efficiency and most flexibility. Ready to start with the best possible yield rate!



### Testing equipment:



#### ShopTester 200 – safe investment!

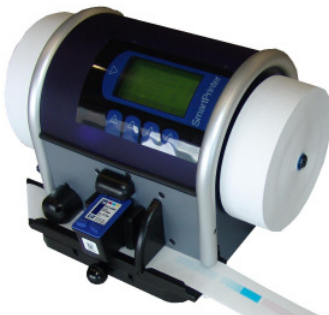
Multifunctional testing unit with a unique **modular construction** structure. The modular system and the USB capability made this system to a safe investment! The ST200 has 5 testing stations (slot 1-5 fix), with additional **5 slots for future expansion**. The ST200 is capable to convert and reset HP and Canon cartridges (slot 2/3/8/10/11).

### Additional modules for the ShopTester 200



- Slot 5:** HP7x, 9x, 33x, 34x, 35x, 85x
- Slot 6:** Lexmark 1,10,23,24,28,29,31,32,33,34,35,82,83,88, Dells etc.
- Slot 7:** Lexmark 41, 42, 43, 44, Dell 7 series
- Slot 8:** Canon PG/CL 30, 31, 37, 38, 40, 41, 50, 51, 52 series.
- Slot 9:** HP60bk/col + XL, HP300bk/col + XL, HP703, HP901bk/col + XL
- Slot 10:** Canon PG 210, 210XL, 510, 512, 810, 810XL
- Slot 11:** Canon CL 211, 211XL, 511, 513, 811, 811XL
- Slot 12:** HP61bk/col +XL, HP301bk/col +XL, HP122bk/col +XL

### SmartPrinter – Tester & Converter



Testing units for electronic and print quality testing. Designed for high volume, “operator proof” testing. Adjustable parameters for each tested cartridge type! Cartridge converting capabilities are already integrated! Used by all professional empties dealers and remanufactures. Including **USB port** and free software upgrades (at the USB versions)!

#### Available types:

- |                           |                           |
|---------------------------|---------------------------|
| SP 818 HP 50 series       | SP 828 HP 3xx series      |
| SP 838 HP 60/300 series   | SP 848 HP 61/301 series   |
| SP 929 Canon PG 40 series | SP 939 Canon PG510 series |
| SP 949 Canon CL511 series | SP 727 Lex 30/80 series   |

### AutoFilloMat

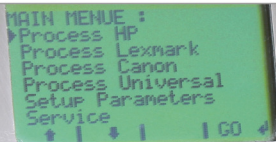


The Autofillomat is an automatic refill device for single ink cartridges. The cartridges do no longer have to be refilled manually - you only have to insert the cartridge into the device, close the clamp and activate the filling plunger by the foot pedal switch! The ink is automatically provided directly from the container.

Easy and safe in use, no drilling and gluing necessary, therefore perfect to fill small and larger series!

The AutoFilloMat is THE automatic refill device for 55 different single ink cartridge types!

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## Shop Tools and Supplies



### Filling Adapters

New filling adapters for the Brother LC900, LC1000 and LC1100 cartridges are available! Available as single or in a set of 4pc!  
Just slide in the cartridges into the adapter and lock it. The cartridge valves will open automatically by the adapter pins.



Of course the adapters can be used with our filling equipment  
ShopFill 55 / ProFill 155 or with the ServiceUnit 100!



### ServiceUnit 100 4-in-one, including filling!

The ServiceUnit combines priming, flushing, filling and air support in one system.

- > **Priming function:** Suction cup for priming and emptying black cartridges.
- > **Cleaning function:** Use this unit also to flush cross contaminated cartridges!
- > **Filling function:** Any nozzle fill adapter for black cartridges works! Just put the cartridge with nozzle filling adapter onto a small scale and fill until the cartridge weight is reached!
- > **Air support:** Works perfect with the JERO Airbox!



### AIO Chip Resetter

The new All In One resetter for the Canon PGI / CLI series!  
For use with original Canon Cartridges of the PGI5/CLI8 - PGI520/CLI521 - PGI525/CLI526 series.  
One model for all! Resets chip counter to restore ink level monitoring.  
USB cable connection, performance ≈3 Sec. per reset.



### SWISS+INK for a high quality refill

CBR Engineering offers a complete line of Swiss manufactured inks. SWISS INK products are compatible with OEM ink and therefore ideal for shop use!  
SWISS+INK is a CBR-E registered ink brand.



### Complete program of cartridge supplies

CBR Engineering offers a complete line of supplies for all remanufacturing needs. Check our web site to find various items for all your needs.  
[www.inkjet-refill-supplies.com](http://www.inkjet-refill-supplies.com)

**CBR-E offers the widest range of high quality equipment and supplies for best possible yield rates. Various customized equipment is available! Please ask for your individual package or order online [www.inkjet-refill-supplies.com](http://www.inkjet-refill-supplies.com) all you need!**