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.
Production equipment

ProFill 155 Kiosk – Multifunctional filling unit

The professional vacuum filling unit incorporates the refill process for the most used inkjet print head and tank cartridges. Built-in fluid sensors allow a high precision metering of ink with 0.1 ml accuracy!

New features are integrated:
- Filling of all kind print head and tank cartridges
- Precise ink dosing in 0.1ml steps! Dosing sensors on each ink line!
- 50 different recipes for cartridge types and their parameters
- 10 different selectable ink lines
- Vacuum boiling for print head cartridges
- Filling of Brother and HP45 cartridges with integrated suction and flushing pump
- FillBox for vacuum filling and boiling of cartridges

Optional available is an integrated web server. With this feature you will have access to your ProFill 155 Kiosk from anywhere in the world, by computer or smart phone!

Filling capacity at 60sec. cycle time:
2 color cartridges: 120 cartridges per hour
2 black cartridges: 120 cartridges per hour

Technical data:
Built-in vacuum compressor:
Standard ink lines:
Stainless steel:
Inclusive 1 pc FillBox:
Optional:
Power:

ProFill 155 TP - Touch Panel volume vacuum 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
50 storable recipes

Technical data:
Built-in vacuum compressor:
Switchable ink lines:
Stainless steel:
Optional (as picture shows):
Power:

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January 2014
ProFill 155 - Solvent ink filling *0.1 ml accuracy!*

The solvent ingredients in ink jet inks are highly aggressive against all standard rubber parts of filling machines. The solvents have effect on all parts they come in contact with, e.g. pumps, valves, connectors, tubes etc. The solvents usually will break down standard filling units quickly. The solvent proof ProFill155 uses only material like Teflon and others which is stable against the most aggressive solvents which can be used in inkjet ink.

Below the ProFill 445 for HP45 type cartridges. Also an automated balance station is integrated. Filling of 4 pc HP45 cartridges in one cycle. The ProFill 445 is based on solvent proof components.

**Filling capacity upon customer need**

depending on the cartridge types and filling capacity needs
- 4-8 lines bag filler
- 4 line filler for 45 cartridges including automated balance station
- 6 black cartridges: 240 cartridges per hour

**Technical data:**
- Built-in ink sensors: 0.1 ml ink accuracy!
- Switchable ink lines: 4-8 direct ink inlets
- Stainless steel: Housing, vacuum box, work plate
- Optional: Cartridge adapters upon request
- Power: 110 - 240 V / 24 Volt

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ShopFill 55 - Vacuum filling

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 directly 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

**Technical data:**
- Built-in vacuum compressor: -0.85Bar / -640Torr, Vacuumgauge 0 - -1Bar
- Ink lines: 4 independent switchable lines
- Ink application: 4 built-in dosing valves
- Built from stainless steel: housing, vacuum chamber and work plate
- Power: 110 - 240 V / 24 Volt
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

Also available: JetClean 155 NP
For NEOPOST IJ25 and IJ35 cartridges!

Technical data:
- Rack available: Universal Rack for 6 HP cartridges 50/300 serie
- Air connection: 4-6 Bar
- Air consumption: 3 nozzles at 4 Bar: 108 L/min. (6 noz. 216 L/min.)
- Power: 110 - 240 V / 24 Volt

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: Rack or individual cartridge insertion
- Water connection: 6 water hoses, direct DE water connection on request
- Water consumption: 60ml / min (36lt/h) per line
- Power: 110 - 240 V / 24 Volt
**VacuumBoiler 155 – Filling and impregnation unit**

**Cleaning:** Vacuum boiler for all sponge type cartridges for effective rehydration in all capillaries.

**Filling:** Easy volume vacuum filling of tank cartridges. Filling of 200 tank cartridges and more in one cycle with the Canon Racks. Vacuum controlled ink flow for an easy handling!

**Capacity:** e.g. 20 racks at 10 cartridges = 1200 cartridges per hour!
- Cycle time 10 minutes
- All kind of black & color sponge core cartridges
- Effective vacuum boiling!
- Effective vacuum filling for tank cartridges
- 4 line Inkflow system

**Technical data:**
- Vacuum chamber size: 50 L
- Height: 130 cm.
- Compressor: 1 vacuum pump
- Table mounted: Rolling table for ink/fluid storage (no bottle inkl.)
- Power: 240 V

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**Canon Rack – Tank cartridge volume filling**

Vacuum filling for larger volumes of Canon cartridges. Each rack will hold 15 color or 10 black cartridges. The racks have wide cut outs to allow a complete cartridge outside rinse cleaning afterwards.

The ink boxes which fit in the vacuumboiler hold up to 12 racks at one time! This allows filling up to 180 cartridges in 10 minutes!!

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**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.

**Production steps as the industry uses:** To reach the best possible remanufacturing yield and product quality these production steps are essential.

Vacuumboiling – 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 (optionally with Timer)
- ShopClean 55
- VacuumBoxx
- ServiceUnit 55
- ShopDrain 100 centrifuge

**Capacity based at 2min cycle:** Volume appx. 240-300 cartridges per day
**ShopClean 55 - Atomizer spray cleaner**

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.

**Technical data:**
- **Capacity:** up to 200 cartridges / h
- **Fluid consumption:** at 30 bar/45psi = ~25ml
- **Stainless steel:** atomizer nozzles and housing
- **Air connection:** max. 6.0 bar

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**VacuumBoiler 105 - Tank cartridge filler**

Easy tank cartridge filling in the vacuum chamber! 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, housing and VacuumBox in stainless steel with a 8mm drain valve. For use with demineralised water or cleaning fluids.

**Technical data:**
- **Vacuum compressor:** -0.85Bar /-640Torr, vacuum gauge 0 - -1.0 Bar
- **Fill and Cleaning Capacity:** For up to 20 color or black cartridges per cycle
- **Timer**
- **Power:** 110 - 240 V / 24 Volt

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**ServiceUnit 100 - 3-in-one including filling**

The ServiceUnit combines priming, flushing and filling 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:** Just put the cartridge with nozzle filling adapter onto a small scale and fill until the cartridge weight is reached!

**Technical data:**
- **Pump:** 300 ml/h, 3 Bar max.  
- **Stainless steel:** Housing  
- **Enclosed:** Large set of accessoressories!  
- **Power:** 110-240V/24V

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**ShopDrain 100 - Centrifuge**

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 carts straight allowing emptying all ink or cleaning fluid through the nozzles. A must for all remanufacturing operations to empty sponge core cartridges.

**Technical data:**
- **Adapter:** Universal, for up to 12 cartridges  
- **Included:** Felt insert, waste tank, spin fixture pin  
- **Power:** 240 V 50/60 HZ
**Testing equipment**

**ShopTester 200 – Safe investment!**

Multifunctional electronic test equipment 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, with additional space for *5 slots for expansion*. Additional feature is the integrated converting and resetting function for some cartridge types!

FREE software updates!

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**Modules for the ShopTester 200**

**Modules with COMBINED electronic - the modules have ONE shared electronic board:**

- **Slot 1**: HP15, 45, 17, 23, 41
- **Slot 2**: HP 78
- **Slot 3**: HP21, 22, 27, 28, 54, 56, 57, 58, 59
- **Slot 4**: Lexmark 16, 17, 26, 27, 28, 80 bk/col + comp. Dells

**Modules each with independent electronic board:**

- **Slot 1**: HP15, 45, 17, 23, 41
- **Slot 3**: HP21, HP22, HP27, HP28, HP54, HP56, HP57, HP58, HP59
- **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, HP901bk/col + XL, HP122bk/col + XL

**StartUp configuration**

**SmartPrinter NP25 for Neopost IJ25**

We have developed this SmartPrinter NP25 to perform print and electronic test of this common NeoPost IJ25 franking printer cartridge type. This step approves from the beginning of the remanufacturing process the electronic integrity of such cartridges.

The Tester is based on our well known ShopTester housing and the proven electronic technology of our professional SmartPrinter series.
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 remanufacturers. Including USB port and free software upgrades (at the USB versions)!

Available types:
- SP 818 HP 50 series
- SP 838 HP 60/300 series
- SP 929 Canon PG 40 series
- SP 949 Canon CL511 series
- SP NP25 NeoPost IJ25
- SP 828 HP 3xx series
- SP 848 HP 61/301 series
- SP 939 Canon PG510 series
- SP 727 Lex 30/80 series
- NP35 NeoPost IJ35

Shop Tools and Supplies

Filling Adapters
Available for the Brother LC900, LC1000 and LC1100 cartridges, 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!

AIO Chip Resetter
The 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 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

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 all you need!