

## Technical Data sheet, Safety Instruction

12.08.2014

Explanation, but no CE-Certification, since it is a regulated product without CE, See technical work-tools and consumer products (2001/95/EG),

**Product Name:** BONPEN

**Types:** BON-102, BON-102T, BON-102D, BON-102B, BON-102F, BON-102K, BON-102S

**Manufacturer:** Japan Bonkote Co., Ltd, Mito, Ibaraki, Japan

**Europe-importer:** LICO Electronics GmbH, A-2320 Kledering, Klederinger Str. 31

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**Usual Trade name:** BONPEN Fluxpen

### USE::

Tool Drip-free Dispensing of flux or other suitable liquids

**Detailed description:** Dispensing Pen Series BONPEN – Content 7ccm, antistatic,

**BONPEN-Material:** PP, PE, Nylon, ( Paper & Aluminium: < 1%)

### Properties and Product Description:

The BONPEN contains unique characteristics. The brush is available in various shapes and designs and has the shape of a pen on a thin and flexible precision brush at its end. The brush consists of a synthetic material. The flux felt pen has a rigid shape and is made in a pencil form. The BONPEN can deposit flux precisely and economically not only to solder on printed circuit boards , but also onto extremely small and subtle connections such as QFP and BGA microchips without deforming leads.

It can be used due to the finest capillaries only with solutions with dissolved solids and low solids media. Emulsions, thixotropic or solids-rich solutions likely will clog the brush tip.

While gently pushing the handle dosage of flux or the filled medium starts very easy. The BONPEN is designed as a two-chamber dosing. With their help, the medium from the main chamber is squeezed into the secondary chamber. From there, the brush is moistened by the capillary. It is advisable to occasionally watch the amount of the medium in the handle through the semi- transparent wall. Simply pull out the black limiter from the handle, the handle to fill about 3/4 , place the limiter firmly back to the stop and re-screw the brush tip:.

The retainer shows the function or state-of-use of the pen, (see description below)

If the BONPEN not in use or to be transported, it is recommended to place the retainer ring from use to storage position.

If the BONPEN is not in use, the cover cap shall be place on firmly to avoid unnecessary evaporation and drying out the pens.

### Examples of use:

Application of fluxes, Fluoric Lube, Fine-oil, Cleaners, Solvents and solvent-glues



### Filling of the BONPEN-Fluxpen:



Prepare a suitable syringe, see picture (for example BD Discardit™ with Luer Lock or similar product also from other mfgs)

Useable sizes are:

10ccm, 20ccm, 30ccm, 50ccm, 60ccm,

Choose appropriate syringe material: for example:

Polypropylen, Polyethylen



Fill the syringe by using a well standing container to avoid falling or spilling, recommended size: 100 – 500 mL with an opening as big as possible, ideal are “heavy” glass or ceramic jars.

### Handpiece CA-102:

Steps for Re-filling the BONPEN:

- Unscrew the tip
- Remove the retainer ring – pull off, then pull out the black limiter tube



↑ Entfernen der Begrenzerhülse,  
← nach vorne abziehen



Stand the BONPEN-handle upright, opening shows up.

Fill the handpiece to about  $\frac{3}{4}$  with the syringe.

Place the limiter and press it in until the limiting end firmly. Place the retainer ring and screw back the tip with the cover cap properly. Make sure the unit is well tight before use or storage.

**Remark:**



If ring is placed in this position, it sign the storage position



If ring is placed in this position, thus in direction to the hand piece, it signs the operational position – ready to be used.

**Material-Composition:**

Chemical name - Content (weight % )

Polyethylene	52
Polypropylene	42
Polyester	4
Aluminum	<1
Paper	<1

The used materials are usual trade materials and are not categorized as dangerous or critical.

Toxicological Consideration: no hazardous material

Fire hazard: no special risk

Environment: not known as pollutant.

Disposal: in case of doubt to be placed in industrial waste.

**Further Information & Data:** see catalog & data sheet at [www.bonkote.eu](http://www.bonkote.eu)