

Crimp force monitor BB07i4

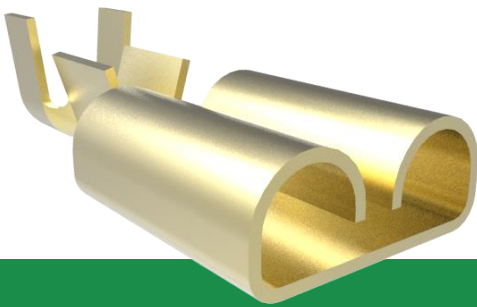
BB07i4 – The new generation of crimp force monitoring by Engberts.

The **BB07i4** is suitable for integration into virtually all crimping presses. The force curves can be displayed either on the corresponding press control (e.g. Schäfer EPS 2016) or via the **BB07x Manager 4** on the PC.

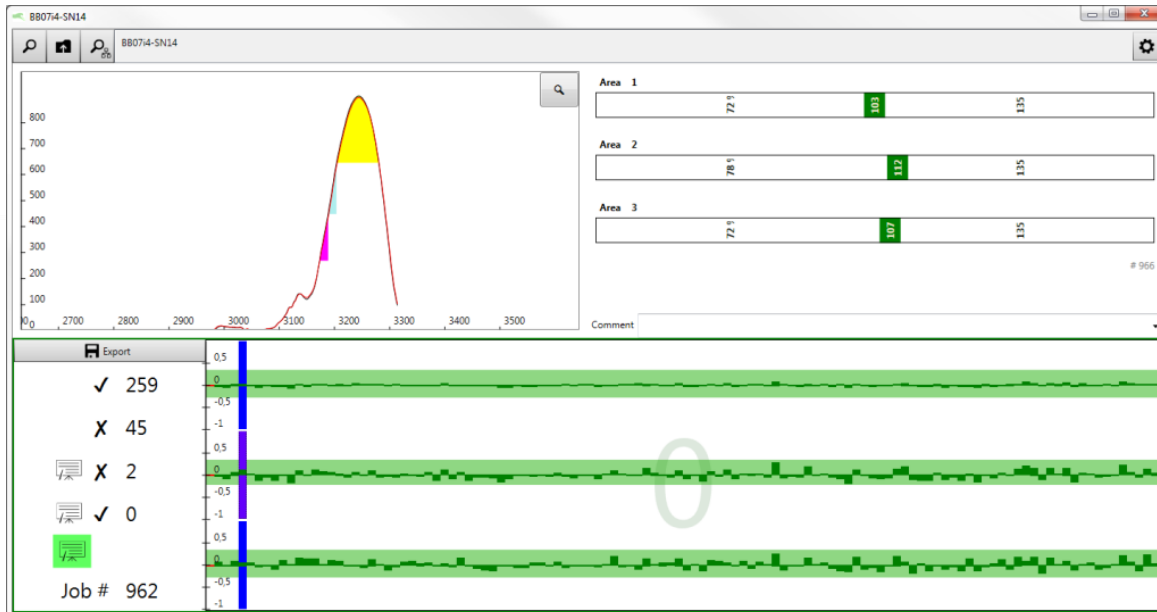


Crimp quality monitoring

- Force measurement and comparison of the force with reference value for crimp quality assessment.
- Detection of **missing copper material**.
- Detection of **insulation inside the copper crimp**.
- Force measurement is effected either force-controlled (**force-time measurement**) or via an incremental encoder (**force-distance measurement**). Start sensors can be integrated if the measurements are force-controlled.
- **Drift compensation**, including the detection of periodic errors (gradual change during the course of production).
- Several error levels, e.g. for a quick stop of the crimp press to prevent tool damage in case of severe crimp errors.
- Supports **multi setups** and **multi references**. This means, for instance, that it is possible to monitor different cable types used during one production cycle or to increase the monitoring accuracy.



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Example: Software BB07x Manager 4

Integration in process control

- Complete control with **BB07x Manager 4** software.
- **Integration** in machine control of Schäfer manual work stations as well as Schäfer's fully automatic wire processing machine Megomat.
- Optional storage of all results as well as force curves with the **BB07x Manager 4** PC software.
- **Multiple devices** monitoring via Ethernet.
- Control and evaluation of results via I/O interface (e.g. via external PLC).
- **High-resolution display** of the force curve in the **BB07x Manager 4**.

Simple assembly

- Various force sensors can be used.
- **Easy retrofitting** as distance and angle meters are optional for operation.

Please contact our sales team with any question. We will be happy to help.

Phone: +49 4405 9268-0; E-Mail: vertrieb@engberts.de