Hot Tack Device

- DIN 55571-1, Hot-Tack – Teil 1: Wegmessende Prüfgeräte
  The Hot Tack accessory allows you to detect the Hot Tack behaviour of almost all film types in a quick and reliable way. The results show the strength of hot sealed seams that are tested immediately after the heat-sealing process. Such stress may take place using vertical tubular sack machines and gased packages. Using the Hot Tack, you can also easily determine the appropriate sealing parameters which are suitable for the highest Hot Tack value.

Our concept is based on proven technology to fulfill the following requirements:
- Quality control during the production process
- Tests for research and development

Special features
- Reliable Quality Control: The Hot Tack accessory allows for a reliable QA process for the hot sealed seam.
- Quick determination of the appropriate sealing parameters: Using the Hot Tack in combination with the Heat-Sealing Machine, you can quickly determine the suitable sealing parameters for any common film type.
- Cost-effective: Our method for checking the Hot Tack behaviour is a very cost-effective alternative to the expensive ASTM method.
- Simple fitting: The Hot Tack can be mounted to the HSG-CC in no time - even if you purchase it after the HSG-CC installation.
- Suitable for all HSG models: Even older models of the HSG type heat-sealing machines can be re-fitted for the Hot Tack.
- Simple testing and evaluation procedures: As soon as the specimen is positioned, the sealing procedure initiates. For evaluation, simply use a slide gauge.
- Good reproducibility of the test results: The automisation of the test process makes sure the result are always reliable.
- Real-life testing conditions: The special construction of the Hot Tack device simulates a stressing procedure close to real-life conditions.
**Functionality**

The Hot Tack accessory has been especially developed for the determination of the appropriate sealing parameter settings and for QA proceedings. To do this, no absolute Hot Tack values (in Newton) have to be measured. Therefore, no expensive electronic system is necessary.

Immediately after the sealing process, the two prepared specimen are pulled onto a mandrel by means of a pulley to split the hot seal seam. Using different drop weights you can customise the split force according to your testing conditions. The peeling effect from the split mandrel causes the still hot sealed seam to split at a certain length.

The higher the Hot Tack values, the less the split length of the sealed seam. Thus, the length of the remaining unsplit sealed seam serves as a direct criterion for the Hot Tack value.

This assembly simulates a stress of the sealed seam, as it occurs in real-life when filling bags immediately after the sealing process.

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**Normative References**

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**Specifications**

- Sealing Jaws: 40 mm x 20 mm, teflonised
- Cooling time: 50 ms to 75 ms approx.
- HSG-CC interface: Built-in coupler for the treadle
- Dimensions: 40 x 18 x 25 cm
- Weight: 4.5 kg
- Operating temperature: 15°C to 35°C

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**Optional Accessories**

- Documentation software
- Strip Cutter STR for the preparation of the specimens

The information contained in this document is subject to change without notice.