



## Description

### ■ **Selectable sealing parameters with wide ranges:**

On the HSG-CC, you can specify sealing times from 0.1 to 50.0 seconds. The sealing temperatures can be pre-selected separately for the upper and lower sealing jaws to meet your requirements, ranging from room temperature to 300°C. The sealing force ranges from 40-1000 N.

■ **Freely programmable sealing parameters:** The new control system lets you call up a maximum of nine self-defined sealing parameters, increasing the reliability of your sealing process even more.

■ **Optimised pneumatics and increased internal time resolution:** Thanks to further optimised pneumatics and increased time resolution for the control system, the accuracy of short sealing times is improved even more.

■ **Interchangeable sealing jaws for every requirement:** We offer an optional, wide range of different sealing jaws to meet varying requirements. You can change the sealing jaws in a few simple steps.

■ **Secure and ergonomic operation:** A clear control panel and a large, light LCD display ensure that you can work with the HSG-CC securely and reliably. Your work is streamlined and ergonomic, as the press on the HSG-CC stays unlocked for 30 seconds after each sealing.

■ **Long service life and availability:** The use of high-quality materials guarantees lasting operation at a constant sealing quality. By incorporating the latest parts, the longterm availability of all of the components in use is guaranteed.

■ **Software for fast data collection (optional):** We have developed special software that seamlessly collects your test results. The set sealing parameters are automatically stored with your data in a Microsoft ACCESS database.

■ **Reliable test equipment monitoring (optional):** Our calibrated HSG-P test equipment monitoring device means you can quickly and reliably check if your HSG-CC is still working within the predefined tolerances. You can also use the HSG-P to recalibrate the indicated sealing force.

■ **Determination of hot tack properties in accordance with DIN 55571-1 (optional):** The hot tack tester lets you reliably check the quality of the hot sealed seam. You can also quickly and easily determine the optimum sealing parameters for the highest hot tack value for virtually every film type.

## Specifications

Test method	Simulation of a head sealing equipment to determine the best sealing parameters
Compressed-air supply	Table device: 6 bar to max. 10 bar   Standing device: N/A
Seal jaws	150 mm x 10 mm smooth(standard). Other specifications upon request Seal temperature
Sealing temperature	Ambient temperature up to 300°C (can be controlled separately for upper and lower sealing jaw)
Tolerance	1.5°C + 1.0%
Sealing force	40N up to 1000N for the entire sealing area
Tolerance	10N + 0.5%
Dwell time	0.1 – 300.0 s
Tolerance	0.1s
PC interface	serial standard interface RS232, 9.600 Baud
Interface for force adjustment	Internal protocol
Dimensions	Table device: 65 x 35 x 44 cm   Standing device: 68 x 48 x 125 cm
Weight	Table device: 24kg   Standing device: 76kg
Storage temperature	0°C – 50°C
Working temperature	15°C – 35°C
Relative humidity	max. 80%, non-condensing
Electrical connection	230 V / 50 – 60Hz, Table device: max. 500W   Standing device: 900W
Standard	Following ASTM F 2029 – 16

### Sealing jaws

We offer a big variety of sealing jaws with different surfaces and geometries. Available are also sealing jaws with PTFE coating, silicon inserts and individual customer requests.

### Optional accessories

■ **Semi-automatic sample feed** for narrow test strips

- **Load cell** for adjusting the sealing force
- **HSG-P test equipment** for test equipment monitoring
- **Documentation software**
- **Hot-Tack tester** to determine the hot tack properties
- **STR strip cutter** to prepare specimens
- **Universal tensile tester VNG-E** to determine the seam strength

### Standing device

The standing device has an integrated compressor and doesn't need external compressed air.

