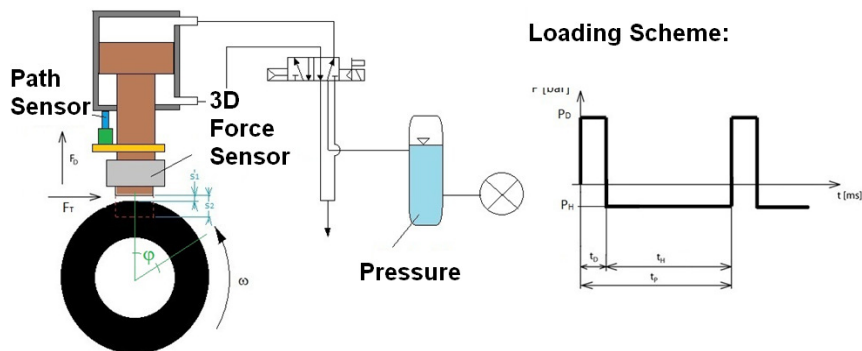


61-451-002 ICCA – Instrumented Chip and Cut Analyzer

2019-07-28



Field of Application

Analysis of Chip & Cut Resistance of Rubber.

Machine Characteristics

A round rubber specimen is rotated at user defined speed while a pneumatically actuated impactor hits the specimen. Force, stroke, duration and repeating cycle of impact can be defined by the user via software interface. All data speed, force and travel are collected and can be accessed via raw data export. The parameter "P" is provided as measuring result.

The machine can be leveled via four machine feet. The test area is secured with a door, which cannot be opened while in operation. Additionally the machine has an emergency stop button, to stop all machine activity immediately.



Technical Specifications

| | |
|-------------------|---|
| Force: | 50 to 500 N (Normal)/ 50 to 900 N (Lateral) |
| Linearity: | 0.2 % (Normal) / 0.5 % (Lateral) |
| Cross Influence: | 0.1 % |
| Speed: | 100 to 1500 Rpm |
| Speed Tolerance: | +/- 0.1% |
| Stroke: | 5 (set via distance ring) / max. 20 mm |
| Impact set-time: | 30 ms to 100% of repeating cycle |
| Impact tolerance: | depending on sample and stroke distance |
| Repeating Cycle: | 200 to 1000 ms |
| Temperature: | n. A. |
| Noise: | 60 dB at typical operation |

Dimensions and Connections

| | |
|---------------|--|
| Size (HxWxD): | approx. 1240x1100x600 mm |
| Weight: | approx. 300 kg |
| Mains: | Voltage (U1) 380 480 V AC +10%/-15%, 3-phase Frequency 50 ... 60 Hz \pm 5% Network type Grounded (TN, TT) or ungrounded (IT). Note: Connection to an ungrounded (IT) or corner-grounded delta network is not allowed at altitudes of 2000 m (6600 ft) or higher. |
| Connections: | Imbalance Max. \pm 3% of nominal phase to phase input voltage 1 x air hoses plug connection, max. 8 bar, 0,0016m ³ /s flow 1 x TCP/IP Network connection to PC |

Accessories

- Indenter
- Sample Mold
- Rubber Distance Ring for stroke setting
- Vacuum Cleaner