



CrimpLab 3 Measurement and Analysis Software

- High measuring efficiency thanks to pre-defined job templates
- Fully automatic crimp cross-section analysis within seconds
- Simple and fast creation of testing jobs using modular data
- Intuitive user administration including language selection
- Highest flexibility thanks to pre-installed measuring functions
- Comfortable creation of customized measurement routines

SOFTWARE

CrimpLab 3

Concept

The CrimpLab 3 analysis and measurement software was developed with a focus on the efficient, intuitive and user-friendly testing of crimp cross-sections, and is available in two versions: a Standard and an Automatic version. CrimpLab 3 provides you with a simple and fast way to produce crimp cross-section analyses, and lets you track both data and jobs thanks to automatically generated, well structured reports.

CrimpLab 3 allows you to quickly create measurement routines and testing jobs based on modular data, customize measurement functions to your needs, and make use of a wide range of pre-implemented additional measurement functions. Material-specific data need to be created only once, and can easily be retrieved to set up jobs or test logs, which has a positive effect on the management of your master data. Moreover, measurement routines and workflows can be defined to customer specifications, as well as work procedures programmed, stored and reused, saving time in preparation and analysis. CrimpLab 3 can be used with the Schleuniger systems MicroGraph and SawInspect, and comprises, among others, all the tools required to perform measurements according to Volkswagen standard VW 60330. The software can be used to count wires, determine degrees of crimp, crimp symmetries, cavity ratios, physical measurement data from a crimp height measuring unit, and specifically created measurements.

Features Overview

- Excellent menu overview and focus on testing terminals thanks to the user interface in "Dark Theme" design
- Integrated database for the storage of material-specific data and individual jobs
- High measuring efficiency thanks to pre-defined job templates
- Selection of a wide range of pre-implemented additional measurement functions (e.g. measurement of radii, curves and distances)
- Creation of customized measurement functions

- Fast and automatic calibration
- Quick generation of clearly structured and concise reports that enable the tracking of data
- Intuitive user administration including language selection
- Comprehensive language support for worldwide deployment
- Quick and easy measurement of many different aspects of cable processing
- Fast creation of testing jobs using modular data
- Comprehensive functions for the crimp cross-section analysis of critical test parameters
- Creation of customer-specific measurement jobs and user inquiries
- Use of multiple cameras

CrimpLab 3 Automatic

CrimpLab 3 Automatic automates numerous functions that need to be executed manually or with mouse clicks in the Standard version. The process of detecting inner and outer conductors of the terminal, for example, has been automated in a way that allows the user to completely dispense with the need to manually trace the cable contour for identifying the relevant factors. CrimpLab 3 Automatic provides fully automatic and efficient crimp cross-section analysis within seconds.

- Automatic air inclusion detection
- Calculation of compression rate
- Strand counter
- Measurement of support angle
- Fully automatic B-crimp measurement
- Report Designer for the quick creation of any number of freely customizable report templates

Technical Specifications															
Analysis	All measurement requirements according to Volkswagen standard VW 60330 as well as wire count, symmetry, compression rates, cavity ratios, external crimp height measuring unit (CHM), and specifically created measurements.														
Measurement Method	CrimpLab 3 Standard: Manual CrimpLab 3 Automatic: Fully automatic or manual														
Job Management	This function allows the creation and storage of jobs, including crimp data, specifications, and measurement routines.														
Reporting	Report in PDF format, including crimp cross-section image, header data, test data, data about terminals, cable data, and measurements. Evaluation according to Standard template or freely customizable with the Report Designer in CrimpLab 3 Automatic														
Languages	English, German, Portuguese, Polish, Czech, French, Bulgarian, Spanish, Italian, Chinese and Japanese														
System Requirements	<table border="0"> <tr> <td>CPU</td> <td>Equivalent to Intel Core i5 or higher</td> </tr> <tr> <td>RAM</td> <td>4 GB</td> </tr> <tr> <td>Hard Disk</td> <td>Min. 10 GB available</td> </tr> <tr> <td>Graphics Card</td> <td>Resolution min. 1,920 x 1,080 DirectX 9 compatible</td> </tr> <tr> <td>Slots</td> <td>Min. 2 free USB slots (1x license dongle, 1x camera)</td> </tr> <tr> <td>Peripherals</td> <td>Mouse and keyboard or touch screen</td> </tr> <tr> <td>Operating system</td> <td>Windows 10</td> </tr> </table>	CPU	Equivalent to Intel Core i5 or higher	RAM	4 GB	Hard Disk	Min. 10 GB available	Graphics Card	Resolution min. 1,920 x 1,080 DirectX 9 compatible	Slots	Min. 2 free USB slots (1x license dongle, 1x camera)	Peripherals	Mouse and keyboard or touch screen	Operating system	Windows 10
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