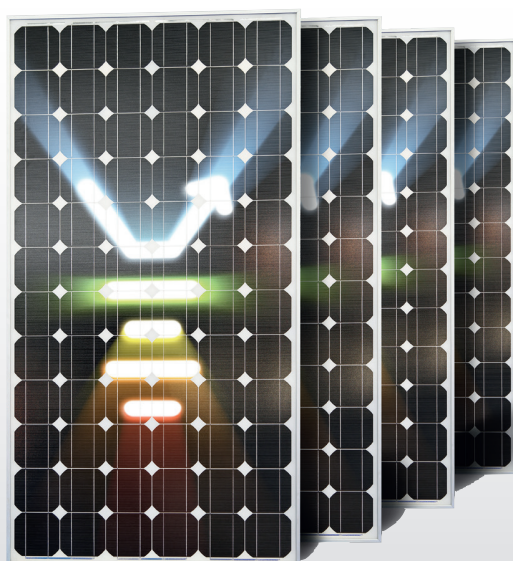
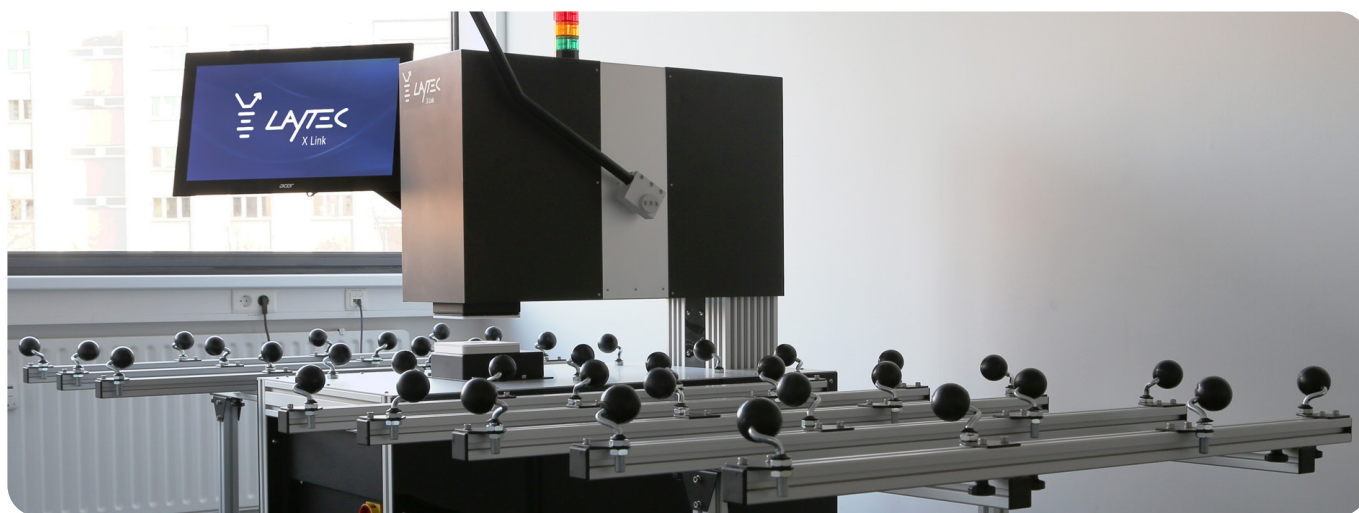




X Link® off-line manual

LayTec's X Link® off-line metrology system provides – within seconds – non-destructive and highly accurate measurements of the encapsulant cross-linking degree at every stage of a solar module's life cycle: immediately after lamination, before shipment, at risk handover, or in the field. It is designed for lab application and manual operation.



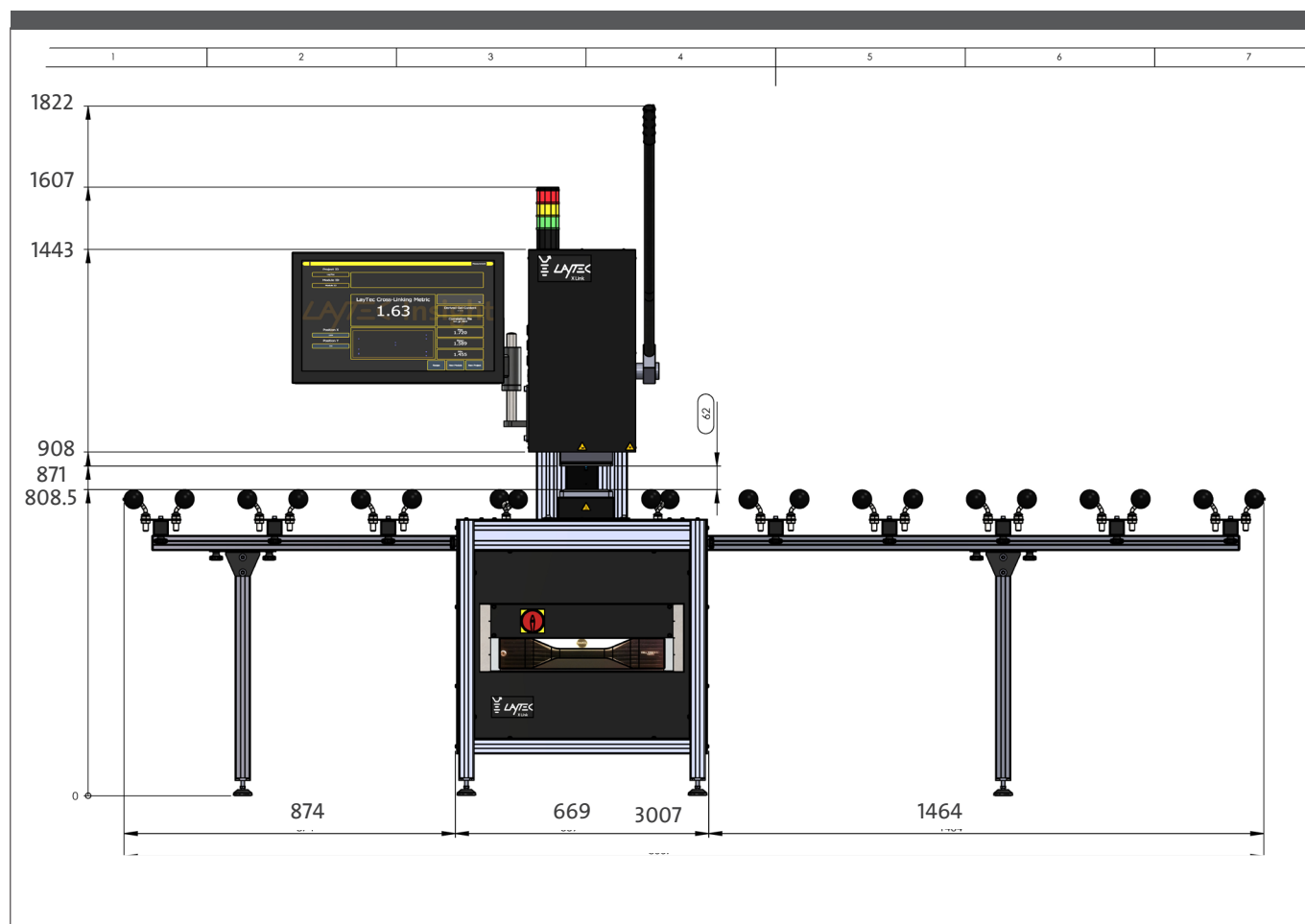
Benefits

LayTec X Link® off-line can be employed to probe framed and unframed modules, with or without cells. It takes less than a minute to get a result, without any mark on the module. Even plain sheets of cross-linked encapsulant can be tested.

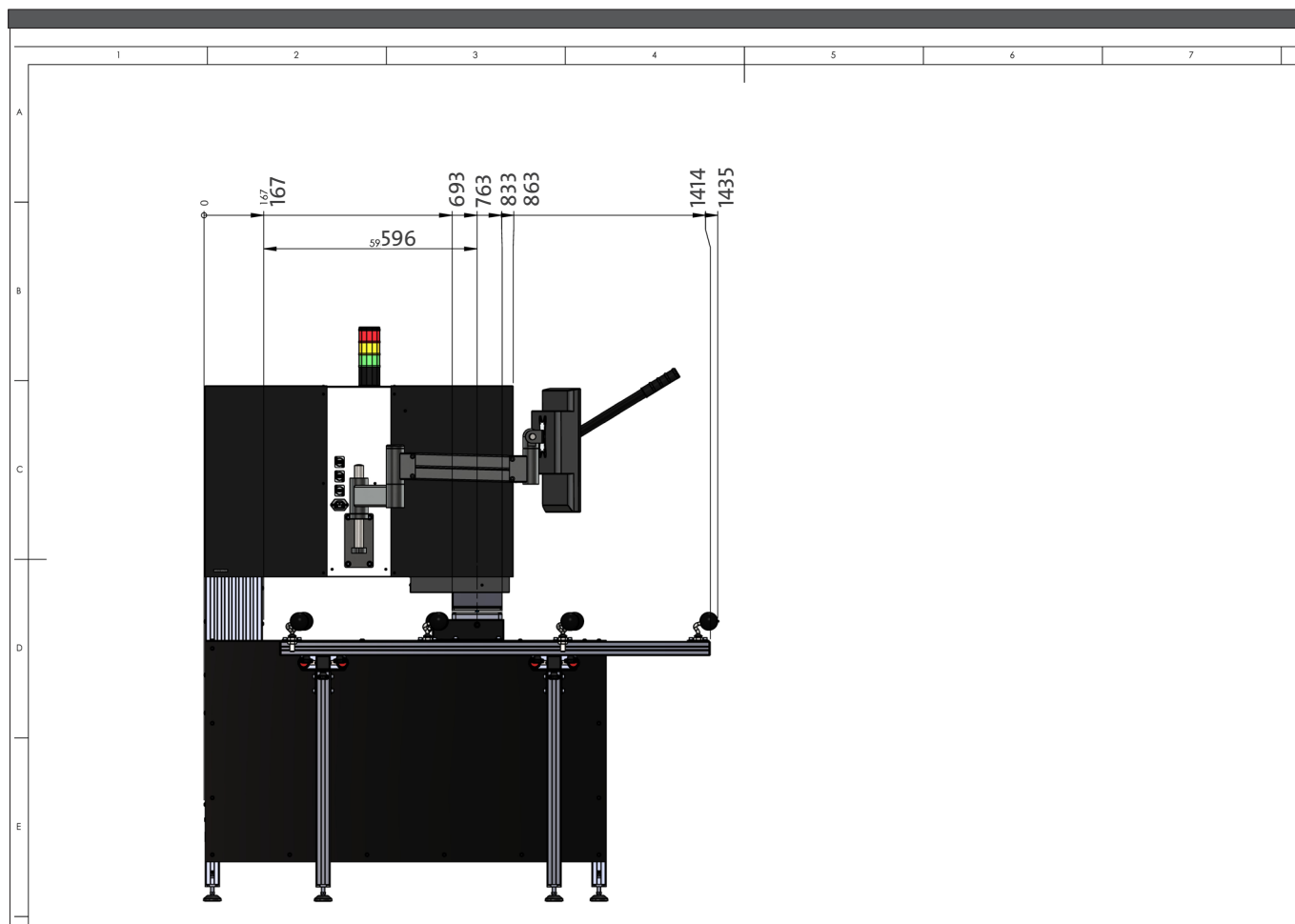
Software

The LayTec Insight software gives access to all measured data. The data can be presented as 2D maps or boxplots and can be stored in text format.

Dimensions of X Link off-line manual: front view (mm)



Dimensions of X Link off-line manual: lateral view (mm)



Performance and requirements

	X Link® off-line manual
Data output	LayTec cross-link metric (LXM), % gel content equivalent
Duration of measurement	< 10 s, 1 module à 60 points < 2 hr
Accuracy	± 3,5 %
Range	0% - 100% gel content equivalent, beyond scale of gel-content test
Measuring probe size	10 mm diameter
Working distance	Contact, non-destructive
Module temperature during measurement	80 °C - 100 °C at the measurement position
Maximum sample /module size	1200 x 2500 x 60 mm ³
Positioning aid	Laser cross-hairs
Module handling	Table with rubber ball rolls
Controlled heating sequence	From room temperature to 80 °C approx. 20 to 60 s for glass / EVA / cell / EVA / back sheet laminates, closed loop feedback temperature control
Software	LayTec Insight software
Software interface	Graphical user interface optimized for intuitive touch operation, English
User interface	23" touch panel, adjustable position and angle
Metrology PC	Integrated workstation, Windows 10 IoT Enterprise, system language English
Data exchange	Ethernet, USB, other buses and protocols are available
Weight	326 kg
Device dimensions (D x W x H)	1435 x 3007 x 1822 mm ³
Power supply	100 - 240 V AC, 50 / 60 Hz, max. 500 W
Safety certificate	CE
Maintenance cycles	Yearly check-up
Wear part	Halogen heating lamp 100 W / 24 V, expected operation time: 2000 h
Package	Europool palette type EN 13698-1

Specifications are subject to further technical development and may differ from those given in the data sheet. In certain cases, performance may be limited by reactor type and/or growth conditions. Please consult our technical sales team to see how LayTec metrology can best serve your specific application.

For further information please contact:

LayTec AG

Seesener Str. 10-13
10709 Berlin, Germany

Tel.: +49 (0)30 89 00 55-0
Fax: +49 (0)30 89 00 55-180
Email: info@laytec.de
Web: laytec.de



MEMBER OF THE NYNOMIC GROUP

Developed,
manufactured and
qualified in Germany.

Version 05-2023