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Address	<b>GlasStress Ltd.</b> Glass stress measurement equipment 21/1 Akadeemia Str. 12618 Tallinn
Country	Estonia
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Internet	www.glasstress.com
Employees	5
Year founded	2003
Export Rate	100 %

## CONTACT PERSONS

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## PRODUCTS OR MACHINERY

Initially, GlasStress Ltd supplied instruments for laboratory use. Developments now concentrates on higher volume lower cost stress analysis equipment that may also be implemented as quality control instruments at the production line. The personnel of GlasStress Ltd has 50 years of experience in measuring stress in glass articles.

At the moment, the most sellable machine is scattered light polariscopes SCALP-05. GlasStress Ltd offers also automatic transmission polariscope AP-07 and scattered light polariscopes SCALP-04.

Scattered light polariscopes are meant for through-the-thickness stress measurement. SCALP-04 is suitable for stress measurement in architectural glass panels and automotive glazing. SCALP-05 is meant for stress measurement in automotive and solar glasses, also in chemically tempered glasses. Both polariscopes are computer controlled. Handling of the polariscopes is extremely simple: just place the the device on the glass panel to be measured and press slightly the button on the left side of the device. After ten seconds the stress profile through the panel thickness is shown on the screen of the laptop.

Polariscope AP-07 is a computer controlled device designed for automatic stress measurement in solid and hollow axisymmetric glass products (drinking glasses, bottles, neck tubes of CRT bulbs, lamps, optical fibre preforms, etc.). It permits also edge stress measurement in glass plates and automotive glazing, thickness stress measurement in strips cut out from glass plates, and measurement of stress at edge corners. Photoelastic measurements are completely automatic and take from 2 to 15 seconds. After that stress distribution in any section of the test object can be displayed on the screen. Integrated photoelasticity algorithms are used for stress calculation from the measurement data. The polariscope can be used for stress measurement near the production line. Its handling does not need any knowledge about photoelasticity or stress analysis.

## COMPANY BACKGROUND / HISTORY

GlasStress Ltd is a manufacturer of internal residual stress measurement equipment for glass products. GlasStress Ltd offers automatic transmission polariscopes AP for container, tableware, lighting industries and scattered light polariscopes SCALP for automotive, architectural, solar industries.

Company Profile of **GlasStress Ltd.**

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