

STRESSTER 6

Device for stress measuring in the sheet glass



Stresstter 6™ is a modern machine for automatic off-line non-contact and non-destructive stress measuring in the sheet glass. Stress is measured in several spots across the width of the sheet. Measured stress vector has the orientation of the flowing glass on the production line. Stresstter 6™ is designed to operate with sheet glass of these parameters: length of 1200 to 6000 mm, thickness of 1.6 to 20 mm and width of 1200 to 5600 mm.

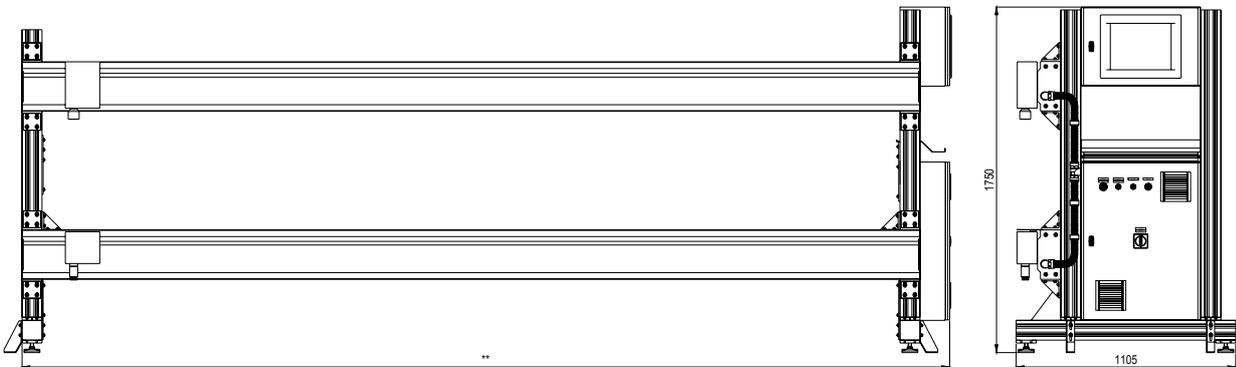
Measured sample (sheet of glass intended for measuring) is taken from production line and is placed in the defined position under machine's measuring device while it is still lying on the air cushion tables. Then, after sample alignment, the operator can start measuring cycle. Stress and temperature measuring is fully automatic and the values obtained are numerically and graphically displayed and stored for further use.

Well arranged user interface of the application software (displayed via 15" LCD touch-screen) allows operator to control the machine easily. Operator needs to enter an identification data for test (number of the test, date, time, thickness of glass, operator's name, etc.) afterwards the automatic measuring of the glass sample can be started. Optical system starts moving across the width of the measured sample and periodically performs measuring of the stress and temperature. After finishing of measuring cycle the automatic data evaluation is performed. Curves representing stress and temperature values related to width of the sample will be displayed on the screen and a test protocol will be created.

sample	width (cm)	retard (nm)	stress (nm/cm)	temperature (°C)
1.	8.0	-39	-97.5	21.8
2.	12.0	-29	-72.5	21.6
3.	17.0	-17	-42.5	22.3
4.	27.0	-9	-22.5	22.2
5.	47.0	-1	-2.5	21.9
6.	67.0	3	7.5	22.3
7.	87.0	4	10.0	21.7
8.	107.0	5	12.5	22.3
9.	127.0	0	0.0	22.0
10.	147.0	-2	-5.0	22.1

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*** These parameters are to be adjusted according production line of the customer.*

Basic technical parameters

Type:	Stresster 6	Sample sheet thickness:	1.6 to 20 mm
Supply voltage:	3x400V/230V 50Hz	Sample sheet width:	1200 to 5600 mm
Ratted current:	10 A	Sample sheet length:	1200 to 6000 mm

Contact

NEWTE spol. s r. o.
Jateční 847
415 01 Teplice
Czech Republic

tel.: +420 417 536 531
fax: +420 417 577 865
e-mail: newte@newte.cz
<http://www.newte.eu>