



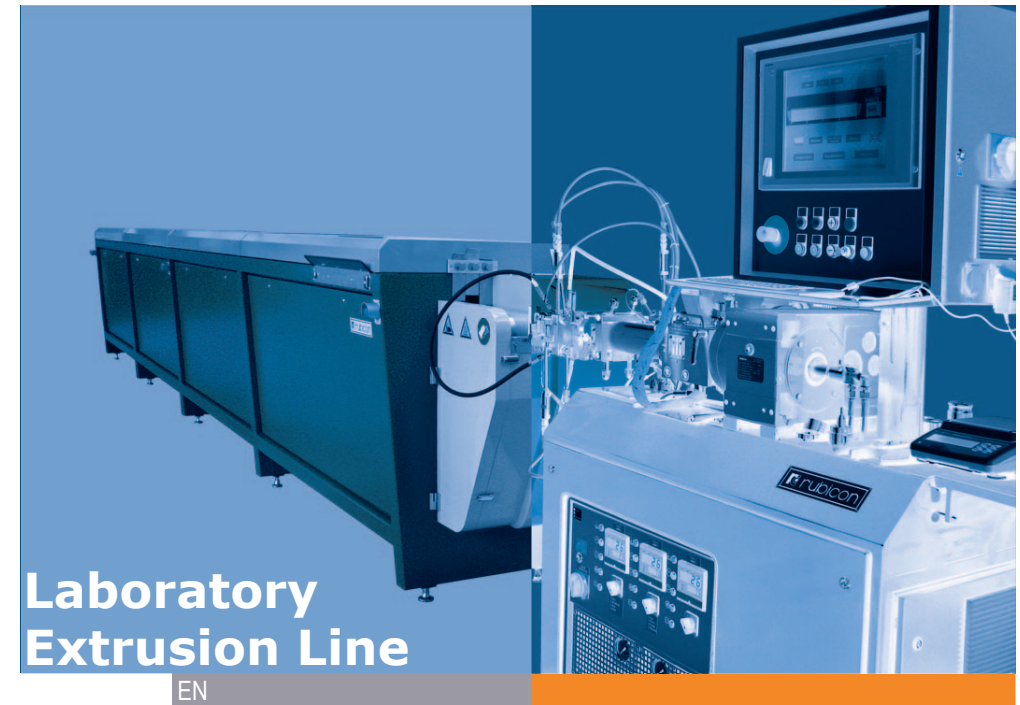
Kontakt

rubicon Gummitechnik und Maschinenbau GmbH
Hans-Dittmar-Straße 3
06118 Halle/Saale
GERMANY

Tel. +49 345 5 30 15 - 0
Fax +49 345 5 30 15 - 15
E-Mail info@rubicon-halle.de
Internet www.rubicon-halle.de



Tailor-made Rubber Extrusion



Laboratory
Extrusion Line

EN

rubicon Laboratory Extrusion Line

The laboratory extrusion line is used for recipe development and processability testing at the rubber test laboratory. The line also became established for quality control in release testings.

The laboratory extrusion line can also be used for the production of samples or small batch series of profiles and hoses of various compounds.

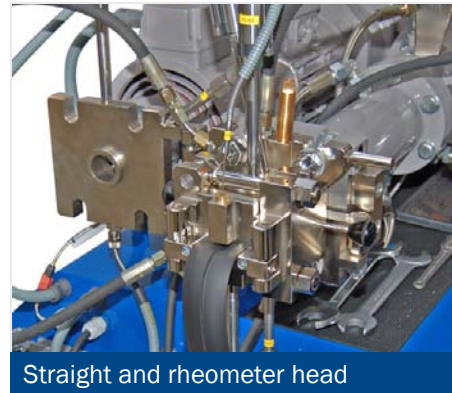
Laboratory Extruder



Laboratory extruder EEK 32.12 L - 4,0/90

- Compact design
- Universally applicable
- Special feed roll design allowing easy cleaning during change of material
- Temperature control for screw, barrel and head
- Rheometer head for determination of rheological characteristics of rubber compounds
- Straight head with Garvey die
- IPC with special software for data recording and evaluation

Fields of Application



Straight and rheometer head

- Determination of shear and strain viscosity of the rubber compound
- Testing of the extrudability of compounds with the Garvey die
- Measuring of compound temperature and pressure flow depending on extruder settings
- Recipe development

Hot-air Tunnel

- 8 m hot-air section for the continuous vulcanization of the rubber extrudats
- Efficient heat transmission by reverse flow method
- High air speed by variable hot-air fan
- Optimal energy efficiency by recirculating-air operation
- Conveyor speed infinitely adjustable



Hot-air tunnel RC-HLT 8 EL

Technical Data

Laboratory extruder:

Screw diameter	32 mm
L/D-ratio	12 D, effective
Screw speed	3...90 min ⁻¹
Max. output	approx. 25 kg/h
Max. drive	4 kW

Hot-air tunnel:

Heating	36,6 kW electric air heater
Air circulation	Hot-air fan
Temperature range	100 - 250 °C
Air speed	approx. 15 m/s
Conveyor speed	0,5 - 15 m/min