

ROEX

energy-efficient extruders
for high linearity and high output

ROSENDAHL NEXTROM. tailor-made in europe



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ROEX

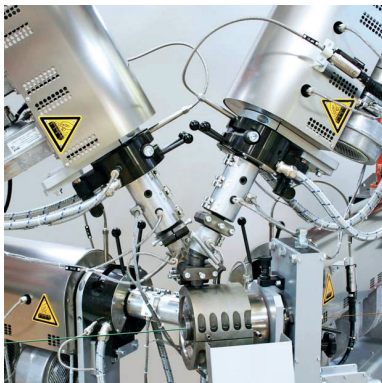
Benefit from high linearity and energy efficiency thanks to the latest extruder drive technology.



Interchangeable water-cooled feeding sections

The ROEX extruder series is equipped with a compact motor gearbox containing the latest extruder drive technology for:

- uniform load transmission
- low space requirement
- low energy consumption
- low noise emission
- long machine lifetime



For a stable extrusion process

The special feeding zone design supports high performance **independent of back pressure.**

A **closed-loop water-cooling system** keeps the motor gearbox and the feeding section temperature-controlled and prevents clogging of the channels due to limescale deposits.

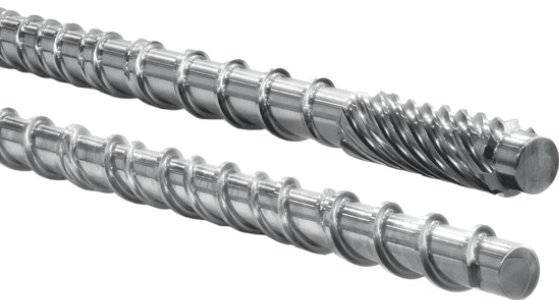
Optimized screw geometry and process control guarantee high linearity and stable product dimensions.

With high flexibility for your production

ROEX extruders are designed for processing a wide range of materials:

PE, PP, PVC, LSF-HFFR, PA, PBT, XLPE, fluoroplasts and materials for high quality physical foaming and silicone extrusion.

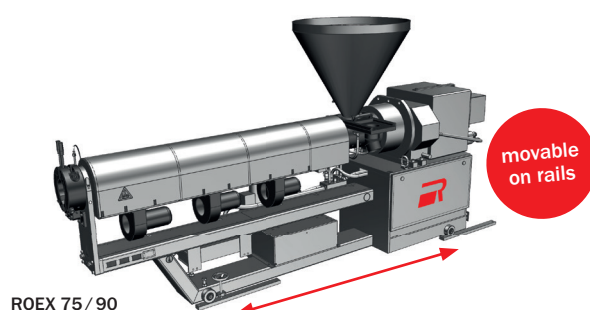
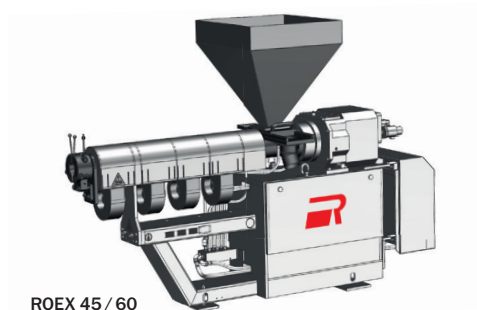
For special applications, we offer extruders with an **L/D ratio 1:36.**



horizontal standard extruders

ROEX 30 / 38 / 45 / 60

Mechanical data	30.24	30.30	38.24	45.24	45.30	60.24	60.30
Ø Screw (mm)	30	30	38	45	45	60	60
L/D ratio	24:1	30:1	24:1	24:1	30:1	24:1	30:1
Weight (kg)	510	550	600	780	840	820	900
Processing data							
PVC output (kg/h)	up to 60	up to 60	up to 80	up to 150	up to 150	up to 300	up to 300
PE output (kg/h)	up to 50	up to 50	up to 60	up to 95	up to 95	up to 220	up to 220
PBT output (kg/h)	up to 50	—	up to 60	up to 140	—	up to 240	—
HFFR output (kg/h)	up to 60	—	up to 80	up to 150	—	up to 300	—

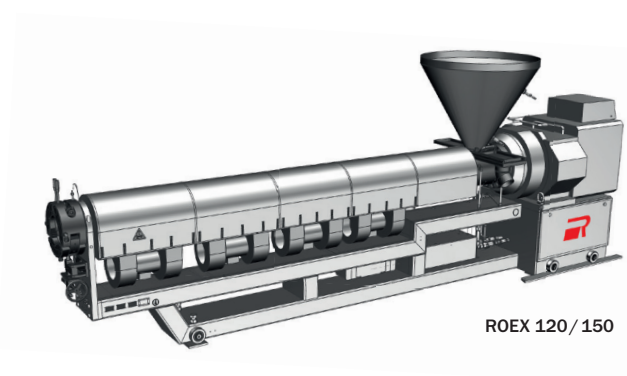


ROEX 75 / 90 / 120 / 150

Mechanical data	75.24	75.30	90.24	90.30	120.24	120.30	150.24	150.30
Ø Screw (mm)	75	75	90	90	120	120	150	150
L/D ratio	24:1	30:1	24:1	30:1	24:1	30:1	24:1	30:1
Weight (kg)	1,900	2,050	2,170	2,350	3,600	3,800	4,200	4400
Processing data								
PVC output (kg/h)	up to 450	up to 450	up to 700	up to 700	up to 1,100	up to 1,100	up to 1,400	up to 1,400
PE output (kg/h)	up to 270	up to 270	up to 450	up to 450	up to 800	up to 800	up to 1,000	up to 1,000
HFFR output (kg/h)	up to 470	—	up to 700	—	up to 1,250	—	up to 1,700	—

Precise alignment

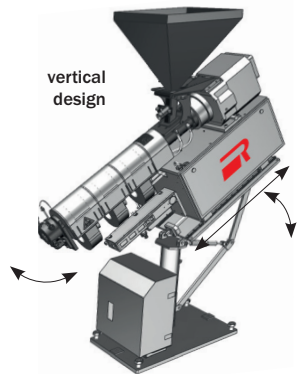
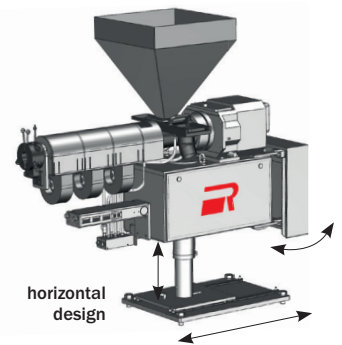
All ROEX extruders are **rail-mounted** and feature **thermal expansion compensation** to ensure precise alignment after heating.



auxiliary extruders

horizontal or vertical design

Mechanical data	15.24	30.24	30.30	38.24	45.24	45.30
Ø Screw (mm)	15	30	30	38	45	45
L/D ratio	24:1	24:1	30:1	24:1	24:1	30:1
Processing data						
PVC output (kg/h)	up to 5	up to 60	up to 60	up to 80	up to 150	—
PE output (kg/h)	up to 2.5	up to 50	up to 50	up to 60	up to 95	—
PBT output (kg/h)	—	up to 50	—	up to 60	up to 140	—
HFFR output (kg/h)	—	up to 60	—	up to 80	up to 150	—

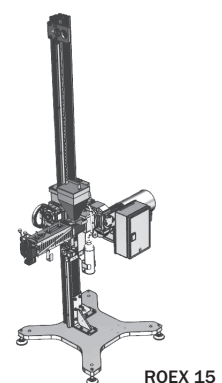
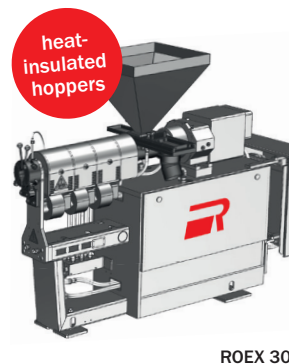


high-temperature and special extruders

for high-performance and fluoro materials

Mechanical data	15.24	20.24	20.30	30.24	30.30	45.24	45.36	60.24
Ø Screw (mm)	15	20	20	30	30	45	45	60
L/D ratio	24:1	24:1	30:1	24:1	30:1	24:1	36:1	24:1
Processing data								
FEP output (kg/h)	2	4	4	10	10	40	40	up to 60

The weight of each extruder depends on its configuration.



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