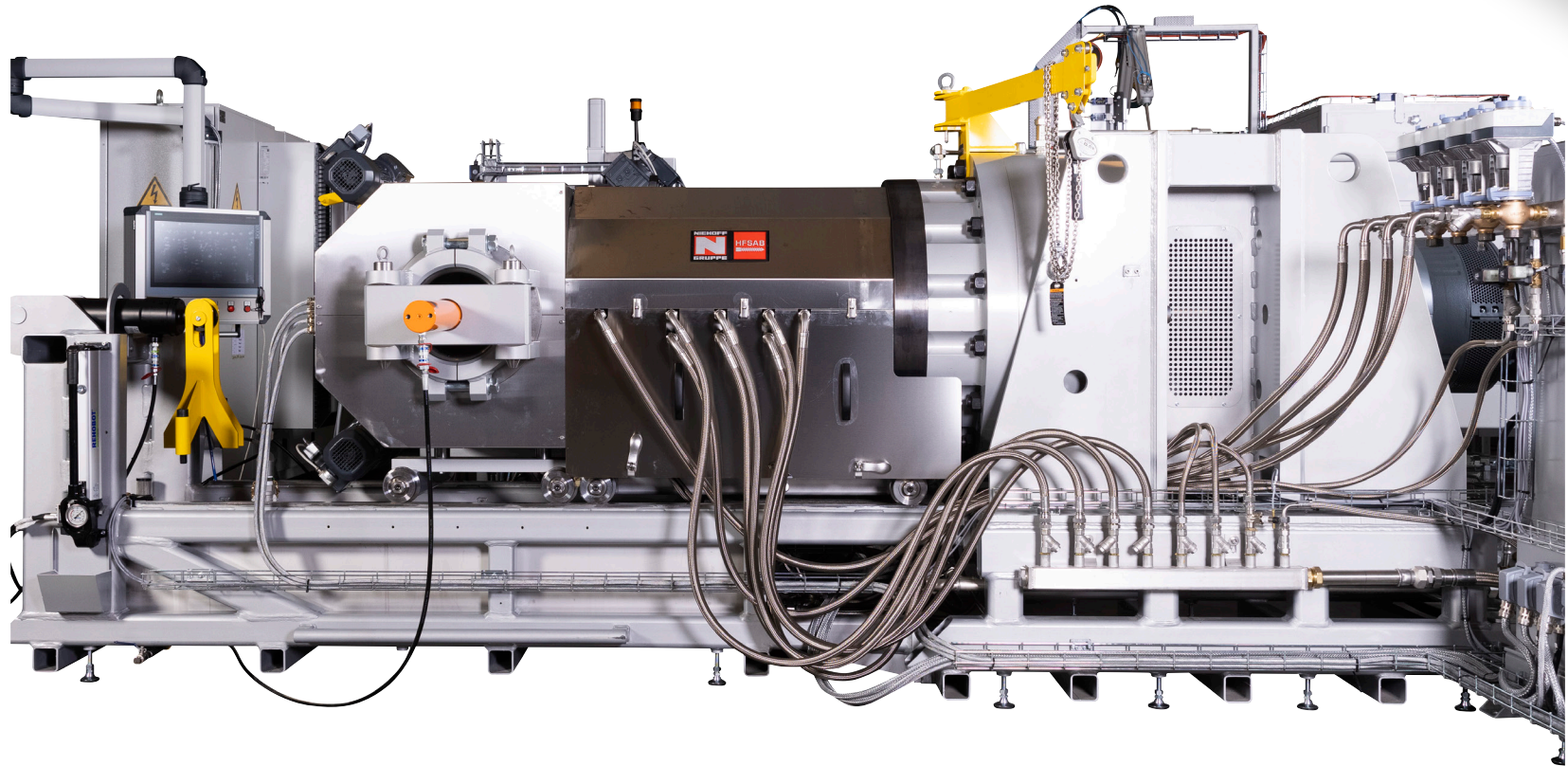




CRX Continuous Rotary Extrusion

Expertise, Customer Driven, Service – in Good Hands with NIEHOFF



CRX

Design:

- well-proven technology from the cable industry
- patented "Pipe-to-Plate" process for flat and profiled strip; no rolling required

Increase in quality:

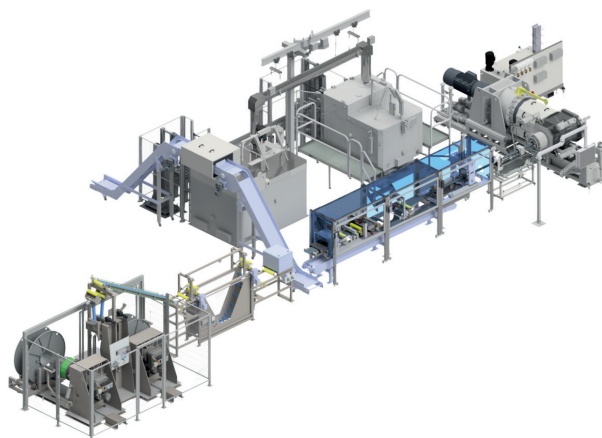
- perfect control of homogeneous grain structure < 20 µm in continuously repeatable quality
- zero porosity, no lead oxide inclusions below the surface of the strip
- perfect homogeneous strip with very close tolerances and no crowning
- good processability in subsequent processes like punching, expanding, pasting, foil rolling

Increase in productivity:

- extremely reliable and fully automatic operation
- high machine availability due to minimized changeover and maintenance time
- continuous extrusion for several weeks up to 1.000 tons

Energy and cost efficiency:

- electrically heated melting and extrusion system; no use of fossil energy
- closed and heat controlled melting pot system; minimised dross and loss of alloying elements
- high energy efficiency by means of controlled heating
- maintenance-free three-phase AC drives



Technical data (die block range)

die block	lead strip width
11"	35 - 350 mm
12 1/4"	160 - 400 mm
13 1/4"	270 - 475 mm
14.8"	350 - 600 mm

Outputs - Alloy dependent

Type 4 Extruder:	Up to 35 kg/min *
Type 5 Extruder:	Up to 55 kg/min *

* for pure lead (99.99% Pb)

Melting pot sizes

10 TON
18 TON
35 TON
60 TON

Lead pumping lines

up to 5 m height and 30 m length

We reserve the right to modify technical specifications according to technical improvement and advances. 09.2022