

The NIEHOFF Line Philosophy

Overall integration for superior performance

The entire line delivers technically innovative solutions for your production tasks:

- Capable combinations of individual NIEHOFF components and the excellent quality standards guarantee superb line availability.
- The electrical system with independent PLC enables flexible integration of the spooler in all lines..
- The NIEHOFF spooler concept features automatic spool changing for increased productivity of the overall line.



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

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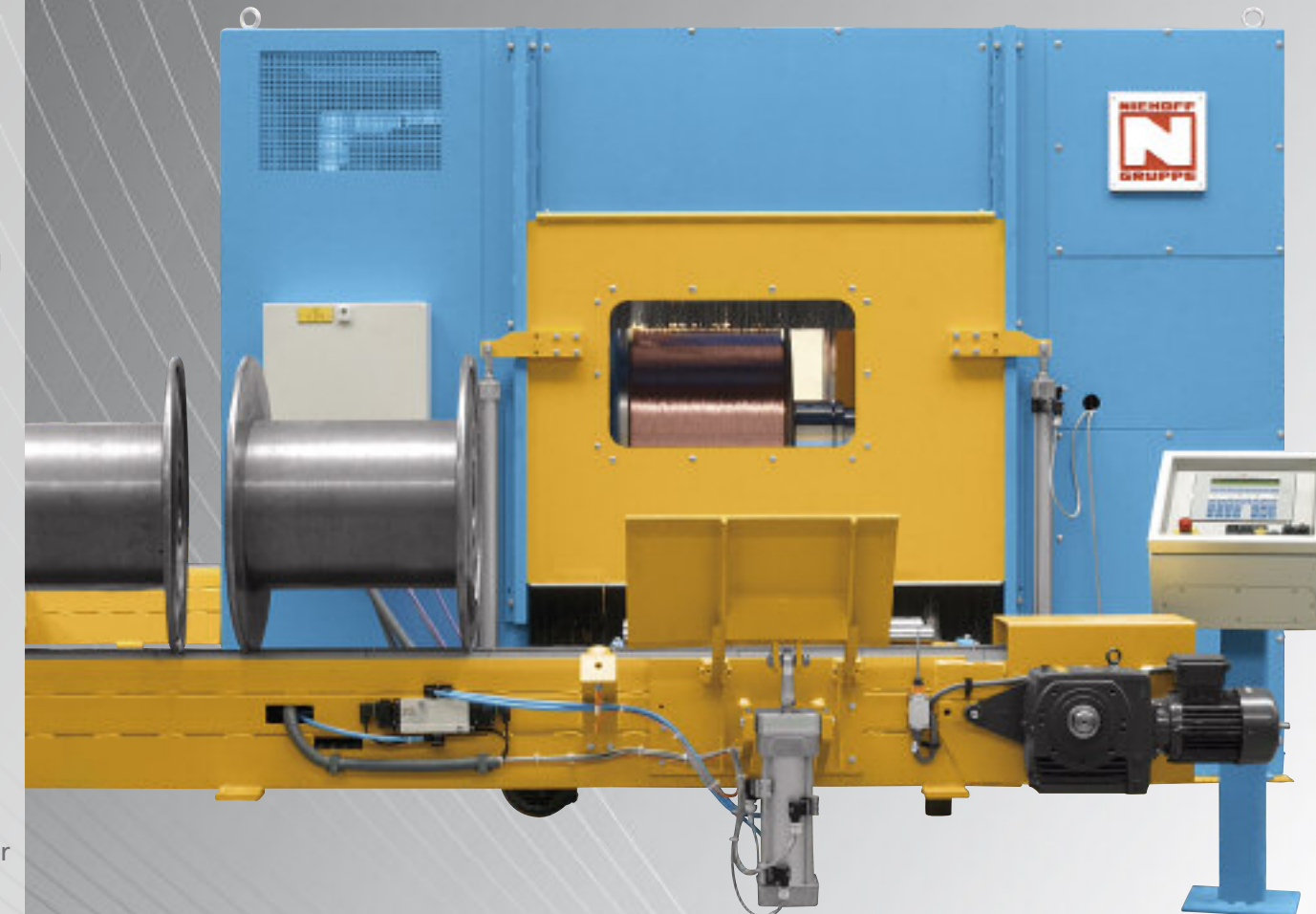
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SPH

Automatic Single Portal Spooler

Spool take-up with outboard bearing



NIEHOFF – worldwide most advanced technology for the wire and cable industry

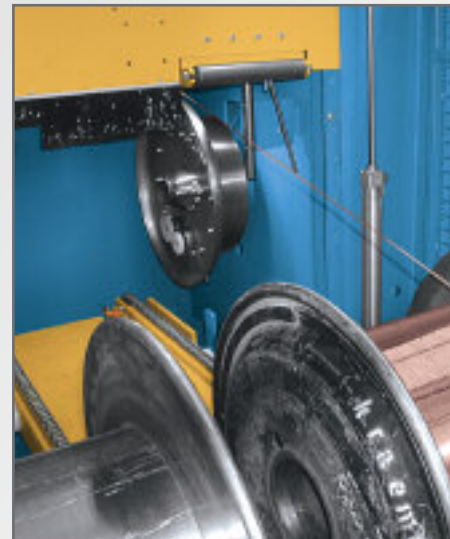
machines – systems – know-how – worldwide

SPH

High-tech Standard and Possible Variants

Technical data

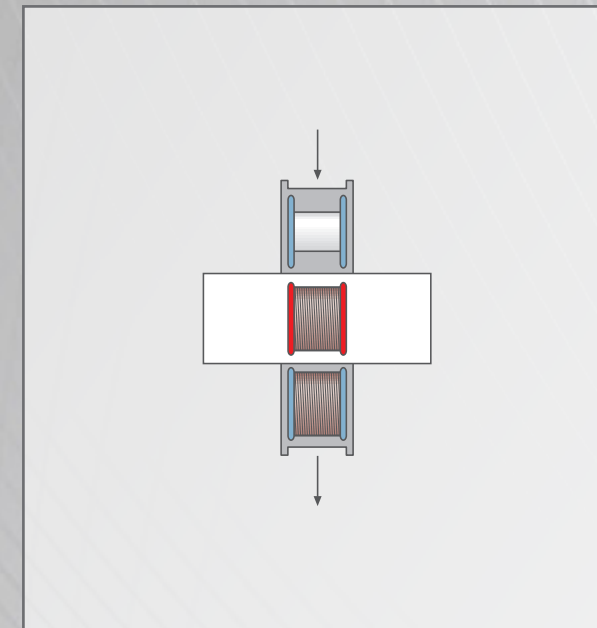
type	SPH 631 G.E. A SPH 632 G.E. A	SPH 801 G.E. A SPH 802 G.E. A
individual wire dia. (Cu) in mm:	0.15 ... 4.50 (34 1/2...5 AWG)	0.15 ... 4.50 (34 1/2...5 AWG)
individual wire dia. (Al) in mm:	0.15 ... 5.20 (34 1/2...4 AWG)	0.15 ... 5.20 (34 1/2...4 AWG)
at max. production speed (m/s):	50 (9840 fpm)	50 (9840 fpm)
max. spool flange dia. (mm):	630	800
multiwire bundle		
min. individual wire dia. (mm):	0.10 (3 AWG)	0.10 (3 AWG)
min. cross-section (mm ²):	0.018 (34 AWG)	0.018 (34 AWG)
max. cross-section (mm ²):	5.50 (9 1/2...AWG)	5.50 (9 1/2...AWG)
input rating for		
cylindrical winding (kW):	27 (36 HP)	37 (49 HP)
conical winding (kW):	37 (49 HP)	50 (67 HP)
machine dimensions (W x D x H) in m:	3.35 x 1.7 x 1.6	3.35 x 1.7 x 1.6
weight (kg):	approx. 2900	approx. 2900



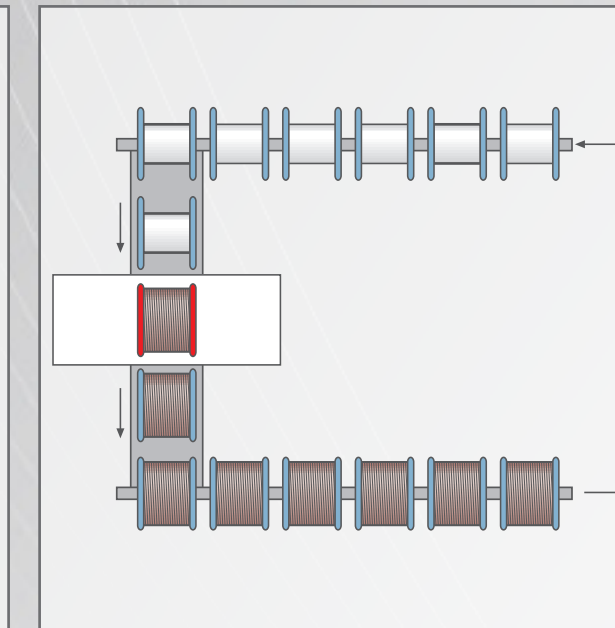
Compact, cost-effective, open to diverse systems

- cylindrical and conical spool winding
- independent freely programmable control system (PLC) for flexible line integration
- automatic spool loading and unloading
- continuous operation of the drawing line in conjunction with a wire accumulator
- equipped with safety vibration monitoring as standard
- AC servo drives for spool shaft and traversing
- available with long inner wire end guided out
- no "rollover" of the outer wire end during spool changes
- conveyor system for a maximum of 12 full spools and 12 empty spools (dia. 630 mm)
- hydraulically actuated outboard pintle
- use of different spool sizes without adapter

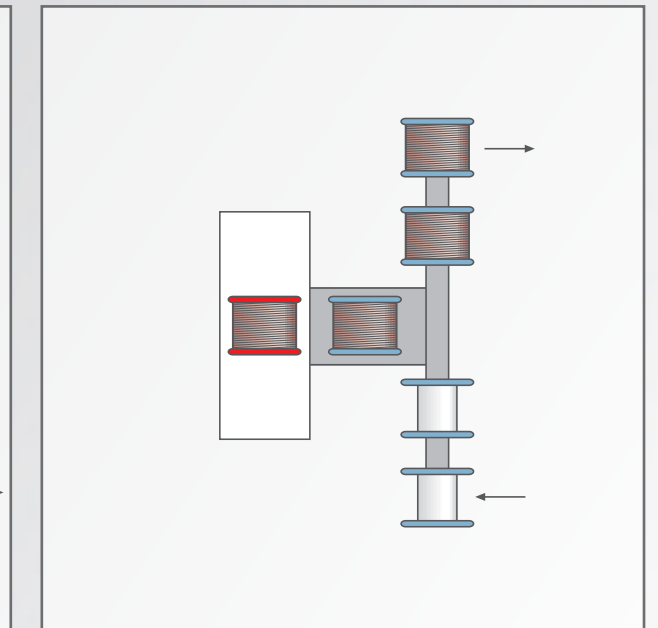
Designs



Portal design
1 x full spool and 1 x empty spool



Portal design
max. 12 x full spools and
12 x empty spools (Ø 630 mm)



Design for one-sided
spool loading and unloading
1 x full spool and 1 x empty spool