



SMB

Automatic Bobbin Winder with Pay-off Systems

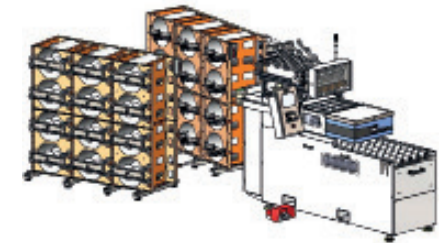
Expertise, Customer Driven, Service – in Good Hands with NIEHOFF



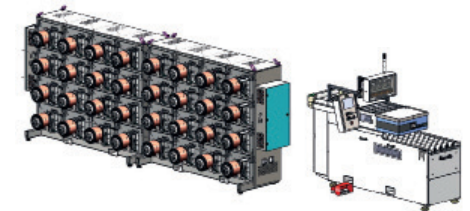
Highest Spooling Quality for Optimum Further Processing

| Technical data | | | | |
|--------------------------------|--------|--------------------|--------------------|--------------------|
| type | | ARH 250 | ARH 250 | ARP 630.2 |
| version | | Rotary Dancer | Linear Dancer | Pintle pay-off |
| construction | | Modular Structure | Modular Structure | Single unit |
| material | | Cu, Al, Fe | Cu, Al, Fe | Cu, Al, Fe |
| single wire dia.* | mm | 0.03–0.15 | 0.08–0.30 | NA |
| multiple wire dia.* | mm | NA | NA | 4 x 0.10–9 x 0.30 |
| weight controlled wire tension | N | 0.07–0.5 | 0.5–27*** | 1.5–33 |
| max. production speed | m/min. | 300 | 500 | 800 |
| spool dimensions | | | | |
| Flange dia | mm | 80–125 | 160–250 | 400–630 |
| Max. spool weight | kg | 10 | 10/25** | 660 |
| regulation for wire tension | | Dancer | Dancer | Dancer |
| spool take-up | | on shaft, flying | on shaft, flying | Pintle |
| machine dimensions (W x D x H) | m | 1.20 x 1.40 x 1.60 | 1.20 x 1.40 x 1.60 | 1.40 x 0.90 x 1.71 |
| weight approx. | kg | 600 | 600 | 700 |

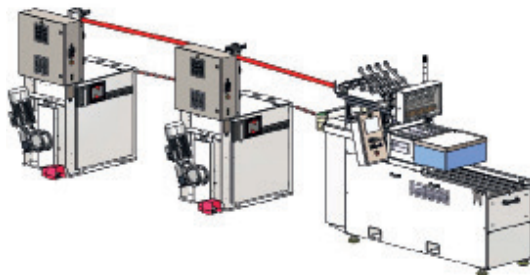
*depending on the used material **option ***weight controlled wire tension ranges: 0.5–1 / 0.6–6 / 1.6–11 / 3.8–27 N



SMB 4 (with dancer) + customer pay-off with brakes without drive



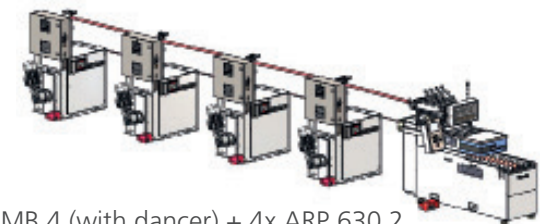
SMB 4 (without dancer) + ARH 250 (modular, 8 to 32 pay-offs)



SMB 4 (with dancer + 2x ARP 630.2 (without dancer) – for splitting wire bundles



SMB 4 (without dancer) + 4x ARP 630.2 (with dancer)



SMB 4 (with dancer) + 4x ARP 630.2 (without dancer or customer pay-off without dancer) for rewinding of wire bundles without splitting

We reserve the right to modify technical specifications according to technical improvement and advances. 03.2026

SMB

Design:

- automatic cutting and fixing of the wire ends (snap ring)
- Placing the wound bobbins at an ergonomic height
- safety cover for the spooling zone
- swiveling operating display for right and left-sided operation
- individual drives of the spool spindles are suitable both for splitting wire bundles and for direct rewinding
- meter counter with measuring pulley

Increase in quality:

- electronic laying with linear drive (low-wear)
- helix winding in the last layer

Increase in productivity:

- automatic spool change
- Universal magazine for all suitable bobbins without conversion
- NMI (NIEHOFF Machine Interface) color touchscreen for data entry, display of production parameters and maintenance instructions

Energy and cost efficiency:

- winding of the spool in accordance with the parameters stored in the recipe management (including the dancer forces)
- wire length calculation
- automatic stop for wire break (bundle)

Options:

- automatic stop for wire break (single wire)
- wire lubrication device with/without heating device



SMB 4: automatic wire winding machine with 4 spindles

Technical data

| type | | SMB 4 |
|---|-------|-------------------------------------|
| version | | automatic with 4 single drive spool |
| material | | Cu, Al, Fe, stainless steel |
| single wire dia.* | mm | 0.05 ... 0.40 |
| permissible wire bundle cross-section (Cu soft) | | mm ² |
| min. | | 0.004 |
| max. | | 0.823 |
| permissible wire bundle (Cu Soft) (depending on the used pay-off system) | | mm |
| min. | | 2 x 0.05 Ø |
| max. | | 11 x 0.30 Ø |
| max. production speed | m/min | 800* |
| spool dimensions | | |
| Flange-dia | mm | 65 ... 120** |
| Winding length | mm | 20 ... 125 |
| Total length | mm | 75 ... 130 |
| Max. Sool weight | kg | 7 |
| need for compressed air | bar | 6 |
| connecting power | kVA | 5 |
| machine dimensions (W x D x H) | m | 0.8 x 2.60 x 1.85 |
| max. weight approx. | kg | 740 |

*depending on the used material/pay-off system

**depending on spool size, pay-off situation and material

Overall integration for superior performance

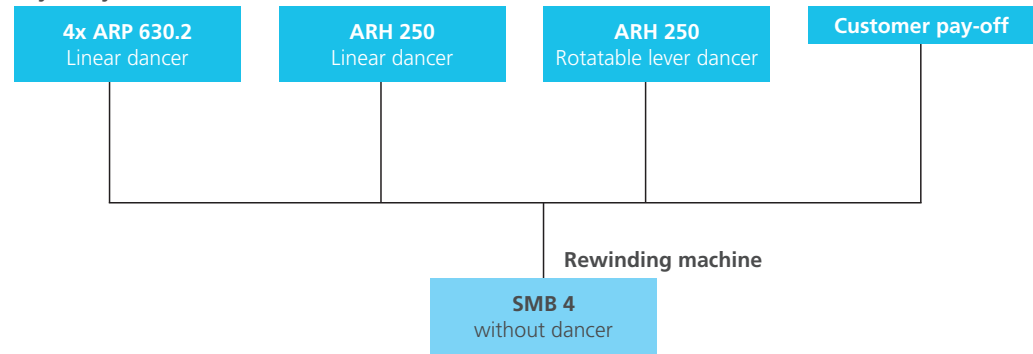
The entire line delivers technically innovative solutions for your production targets:

- convincing combinations of individual NIEHOFF components and the excellent quality standards guarantee superb line availability
- the electric equipment with independent PLC suits for flexible application with pay-off systems
- the NIEHOFF rewinding concept maximizes spooling quality for increased productivity during further processing

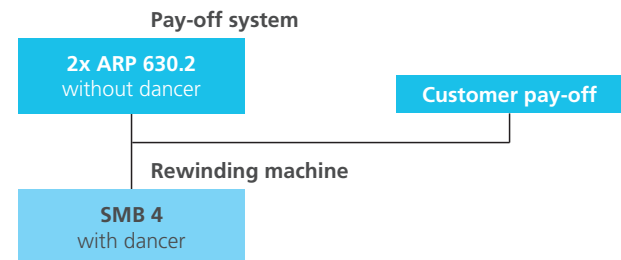
All possible combinations will deliver the ultimate in terms of quality and performance!

Suitable for combination and integration

Pay-off systems



Units with single-spindle drive of the rewinding machine for splitting the wire bundle



(Further pay-off systems on request)