Electronically Driven Pay-Off for Wire and Tube
**Design Features**

- Pay-off construction
  - Pay-off available in 5 sizes
  - Transport apparatus for fork-lift and crane
  - Supports for all customary wire and tube coil packages (partial option)
  - Quick change from left-hand to right-hand operation
  - Pneumatic compensation arm
  - Different compensation arm variations (option)
  - Usage of posts of standard tube with quick clamping and set-up scales
  - Central post adjustment with set-up scale (option)

- Operating modes
  - Processing of any customary coils of wire or tube up to 16mm in diameter
  - Restoring force of pneumatic arm is infinitely variable
  - Basic speed regulated manually or automatically
  - Controls pre-configured for processing machine
  - Constant un-winding speed through coordinated speed and acceleration between wire pay-off and machine
  - Reduced-mass pay-off arm prevents buckling
  - Wire end recognition with automatic shut-off (option)

- Operation
  - Hand-held control device
  - Transfer of control information with WAFIOS manufacturing machines
  - Secure emergency brake

**Our efforts are your benefits**

- Product quality increased by optimal interaction of machine and pay-off
- Production enhanced by shortened downtimes and higher machine dynamics
- Enhanced flexibility thanks to versatile options
- Numerous simplifications in handling increase operator comfort
- Security concept fulfils the most modern of production standards
Durable, Economic and Versatile – WAFIOS Pay-off series AHP

New Generation of Electronically Driven Pay-offs

Further development of the successful WAFIOS AHL series with new possibilities in the area of communication between machine and pay-off.

Available variations:
LE (Lightweight arm, simple guide)
LM (Lightweight arm, multiple guide)
SE (Heavyweight arm, simple guide)

Shortened set-up times due to simple post adjustment and quick post clamping as well as quick change from left-handed to right-handed operation.

Individually customized configurations through numerous options like compensation arm and guide variations and different coil supports as well all made to customer specifications for the production of wire and tube. Motor brake for emergency stopping and hand-held control device are included standard. The automatic wire-end recognition is available as an option.

Proven safety concept, assembly of wire working machine with pay-off and protective fence conform to directive on machinery 2006/42/EC. The option of loading by fork-lift or crane is standard.

Quality
For more than 100 years the name WAFIOS has stood for the highest in terms of quality expectations, safety standards and technical innovation in German manufacturing systems engineering.

Reliability
Strict quality controls, state-of-the-art production systems and many years of experience guarantee that your investment is in safe hands. Our global service network ensures high availability of WAFIOS machinery.

Efficiency
High production output and a long service life will save money and shorten the amortization time of your investment.
## Technical Data

<table>
<thead>
<tr>
<th></th>
<th>AHP 1</th>
<th>AHP 2</th>
<th>AHP 3</th>
<th>AHP 4</th>
<th>AHP 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load capacity (kg)*</td>
<td>750</td>
<td>1500</td>
<td>1200</td>
<td>3000</td>
<td>2200</td>
</tr>
<tr>
<td>Min. coil inner dia. (mm)*</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
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<tr>
<td>Max. coil outer dia. (mm)*</td>
<td>850/1000</td>
<td>1000/1300</td>
<td>1300</td>
<td>1300/1800</td>
<td>1800/2300</td>
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<tr>
<td>Max. coil height (mm)**</td>
<td>800</td>
<td>800</td>
<td>800</td>
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<td>800</td>
</tr>
<tr>
<td>Power (kW)</td>
<td>2,2</td>
<td>4,0</td>
<td>5,5</td>
<td>5,5</td>
<td>5,5</td>
</tr>
<tr>
<td>Speed with 50Hz input (1/min)</td>
<td>92</td>
<td>60</td>
<td>107</td>
<td>62</td>
<td>36</td>
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<tr>
<td>Torque (Nm)</td>
<td>228</td>
<td>637</td>
<td>491</td>
<td>847</td>
<td>1459</td>
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<tr>
<td>Coil table height (mm)</td>
<td>560</td>
<td>560</td>
<td>622</td>
<td>622</td>
<td>622</td>
</tr>
</tbody>
</table>

*Dependent on diameter of wire removal guide (mm)

**Optional various heights

### Type

- **Compression spring mach.**
  - FSE 23, F2: LM
  - FSE 43 and 63, F3: LM
  - FSE 43, 63, 83: LM
  - FSE 93: SE

- **FUL 25, 35**: LM
  - FUL 50, 45, 75: LM
  - FUL 45, 75, 83: LM

- **Torsion spring machines**
  - FMU 1.2, 1.7, 2.2, 2.7: LM
  - FMU 2.2 to 4.7, 6.7: LM
  - FMU 4.2, 4.7, 6.7: LM
  - FMK 2, 3: LM
  - FTU 2.2B: LM

- **Ring winding machines**
  - SNA 22, 33: LM
  - WSR 22, 3: LM

### Type

- **Wire bending machines**
  - BM Series: LM
  - BMU Series: LM
  - BMS 2: LM
  - BMS 31, 5: LM
  - BT 3.2, 3.4: LM

- **Straightening machines**
  - R 13: LM
  - R 23*, 23S, 33S: LE*
  - R 33, AEB 781: LE
  - R 33B, 43, 43B: SE
  - R 53, 53 B: SE
  - RB Series: SE

- **Wire nail machines**
  - N 11-51: LM
  - N 31-51: LM
  - N 61-90, 80L, 90L: LM
  - ND 80-91, 90S, 91S: LM

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Precision Machinery for Wire and Tube