

Electronically Controlled Pay-Off Unit for Wire and Tube (Spools and Bundles)



Series
AHP

Series AHP

▼ Pneumatically controlled tension arm

▼ Central centering stanchion adjustment (option)



Our Accomplishments for your Benefit

- Increased product quality thanks to optimum interaction between machine and pay-off unit
- Increased performance thanks to shortened set-up times and enhanced machine dynamics
- Increased flexibility thanks to wide range of options
- Numerous simplified handling processes increase ease of use
- Safety concept fulfills latest production standards
- Entire system (machine, pay-off, protection grating) from WAFIOS guarantees CE conformity

Design Features

- Pay-off unit available in 5 sizes
- Transport option for fork-lift and crane
- Carrier plates for all standard wire coils (partial option)
- Quick changeover from left-handed to right-handed operation
- Pneumatically controlled tension arm
- Different types of arm and deflection for single- and double-pass wire deflection
- Centering stanchions made of standard tube with quick clamping mechanism and set-up scale
- Central centering stanchion adjustment with set-up scale (option)

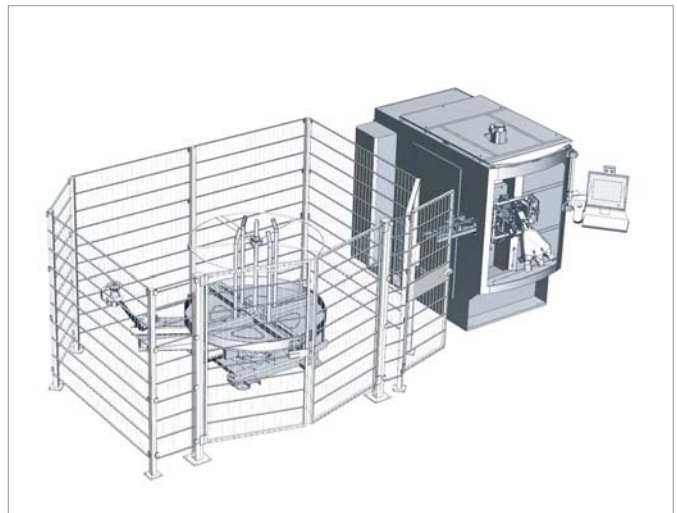
Operation

- Hand-held operating device
- Transfer of control information with the connected machine from WAFIOS
- Reliable emergency stop

Mode of Operation

- Processing of all standard coils up to a max. wire and tube diameter of 16 mm
- Restoring force of the tension arm is pneumatically, infinitely adjustable
- Base speed regulated manually or automatically
- Control unit pre-configured for connected machine
- Optimized pay-off behavior thanks to coordinated speed between pay-off unit and machine
- Reduced-mass tension arm prevents buckling
- Wire end detection with automatic shut-off (option)

▼ Protection grating for loading by crane



Durable, Economic and Versatile – WAFIOS Pay-off series AHP

New Generation of Electronically Controlled Pay-Off Units

Further development of the proven WAFIOS AHL series of pay-off units with new options for communication between the connected machine and pay-off unit.

Available variants:

LE (light arm, single-pass wire deflection)

LM (light arm, double-pass wire deflection)

SE (heavy arm, single-pass wire deflection)

Shortened set-up times thanks to simplified centering stanchion adjustment and quick clamping as well as quick changeover from right-handed to left-handed operation.

Customizable configurations thanks to numerous options such as arm and deflection variants and different carrier plates, as well as options based on customer specifications for processing wires and tubes. Motor brake for emergency stop and hand-held operating device are included as standard. Automatic wire end detection is available as an option.

Sophisticated safety concept, CE-compliant according to Machinery Directive 2006/42/EC, including as system in conjunction with a connected machine and protective fence. Loading option for fork-lift and crane as standard.

Quality

For more than 120 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.



▲ Deflection version



▲ Deflection version



▲ Deflection version



▲ Protection for oil hardened wire



▲ Hand-held operating device



▲ Heavyweight arm

Technical Data	AHP 1	AHP 2	AHP 3	AHP 4	AHP 5
Load capacity (kg)*	750/600	1,500/1,200	1,200/1,200	3,000/2,200	2,200/1,800
Min. coil inner dia. (mm)*	300	300	300	300	300
Max. coil outer dia. (mm)*	850/1,000	1,000/1,300	1,000/1,300	1,300/1,800	1,800/2,300
Max. coil height (mm)**	800	800	800	800	800
Power (kW)	2.2	4.0	5.5	5.5	5.5
Speed with 50Hz input (1/min)	92	60	107	62	36
Torque (Nm)	228	637	491	847	1,459
Coil table height (mm)	560	560	622	622	622

* Dependent on diameter of wire removal guide (mm)

** Optional various heights

Type	AHP 1	AHP 2	AHP 3	AHP 4	AHP 5
Compression spring machines					
F2, F3	LM				
F3, F4, F6		LM			
F4, F6				LM	
FSE 93					SE
Compression spring machines					
FUL 26, 36	LM				
FUL 36, 46, 56, 75		LM			
FUL 56, 75, 86				LM	
Torsion spring machines					
FMU 16, 25	LM				
FMU 25, 40		LM			
FMU 40, 65, 80				LM	
FMK 2, 3	LM	LM			
FTU 1.5, 2.2B	LM				
Ring coiling machines					
SNA 22, 33		LM		LM	
WSR 3, 22		LM		LM	

LE (Lightweight arm, single-pass deflection)
 LM (Lightweight arm, double-pass deflection)
 SE (Heavyweight arm, single-pass deflection)
 SE* Reinforcing steel version (option)

Type	AHP 1	AHP 2	AHP 3	AHP 4	AHP 5
Wire bending machines					
B / BM Baureihe		LM		LM	
BM 90					SE
BMU		LM/SE		LM/SE	
BMS 2	LM	LM		LM	
BMS 31		LM		LM	
BT 3.2, 3,4, 5.2		LM/SE		LM/SE	
Straightening machines					
R 13	LM	LM			
R 23	LM	LM		LM	
R 23S, R 36S			LM/LE		
RE 3, R 36		LE		LE	
RE 4, R 45, 45B, RB 45, 45B		SE		SE	
R 53, 53B, RB 53, 63				SE*	
Wire nail machines					
N 11 - 51	LM				
N 31 - 61	LM	LM			
N 90, 80		LM		LM	
ND 90 - 91, 90S, 91S		LM		LM	
NAILMASTER		LM		LM	

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Precision Machinery for Wire and Tube