

SARMAKINA



MACHINERY

SARMAKİNA IS CONVENIENTLY LOCATED IN
TURKEY, AT THE HEART OF TWO MAJOR
CONTINENTS...



EUROPE AND ASIA

Our quality has not changed since 1991.

Only the technology has improved ..



SARMAKINA



Factory: Osmangazi Mahallesi, Sanayi Caddesi, Kanuni Sokak No : 12 Darıca / KOCAELİ 41700

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About SARMAKİNA

SARMAKİNA Sanayi ve Ticaret A.Ş was established in 1991 by **SARKUYSAN Elektrolitik Bakır Sanayi ve Ticaret A.Ş.** The company is not only the leader of copper wire manufacturing in Turkey, but also one of the best known manufacturers worldwide.

The Plant is located in Gebze with a total floor space of 13,000 m² and site area of 16,000 m²

SARMAKİNA is an engineering, manufacturing and contracting company.

SARMAKİNA is a successful leading company both in domestic and international markets, for designing and manufacturing of machinery, serving to electromechanical industry , on turn-key basis with environmental protection projects especially prevailing in wire and cable industry.

SARMAKİNA Management is formed by experienced professionals and engineers with high standard expertise in copper and non ferrous metal industry, machinery and electric.



Mission

Our target is to produce such high quality, competitive products and solutions, in time by using our resources effectively to gain customer satisfaction and loyalty





Vision

Our vision is providing quality and productivity growth by the method of total quality management and carrying our leadership from the domestic market to the worldwide markets





SAR

MAKINA

MMI



Focusing on customers

We understand our customers' requirements. We tailor our machinery to them, and we create innovative solutions.

Every machine manufactured at SARMAKINA is designed by our experienced engineers. Selected high quality materials are crafted by machines and by hand, true to a passion for detail which portrays the individuality and perfection behind SARMAKINA name.

Quality Policy

Quality Policy of SARMAKINA is to produce quality goods, which meet the needs and expectations of our customers. Effective implementation of Quality Assurance System enables that the products of are produced in compliance with customer satisfaction.

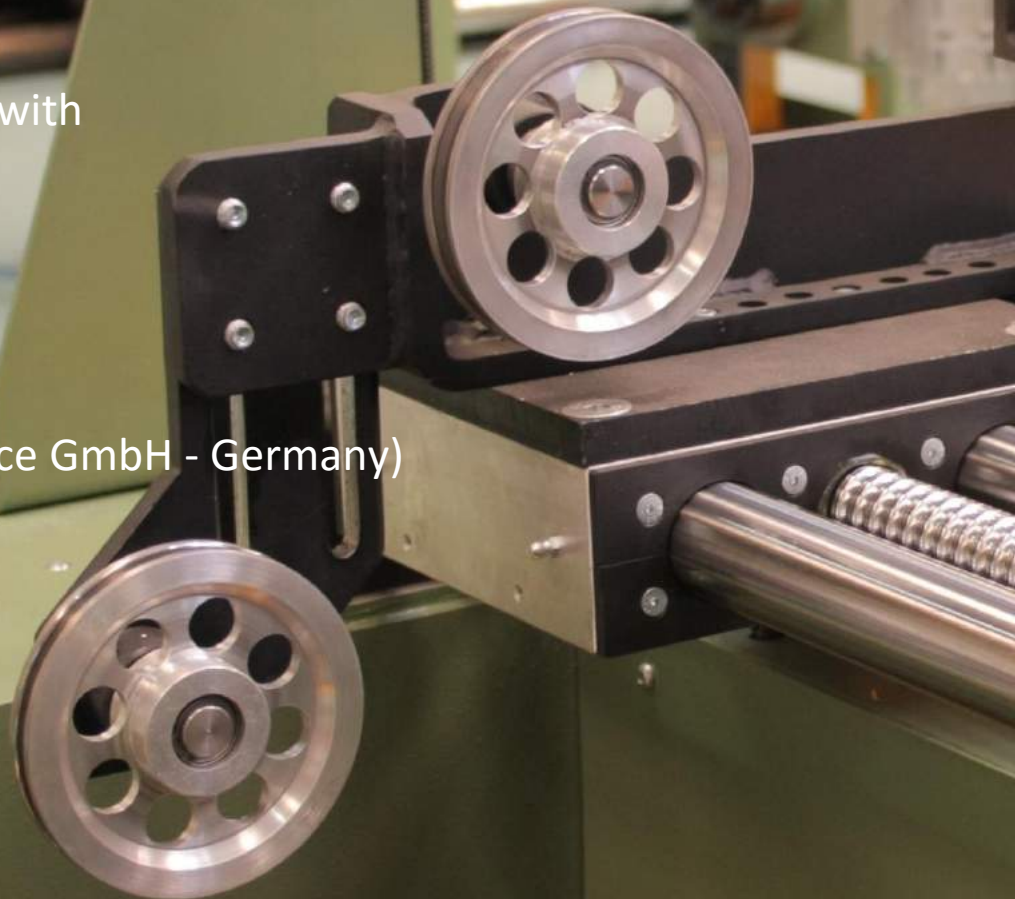
SARMAKINA, is certified with

ISO 9001:2015

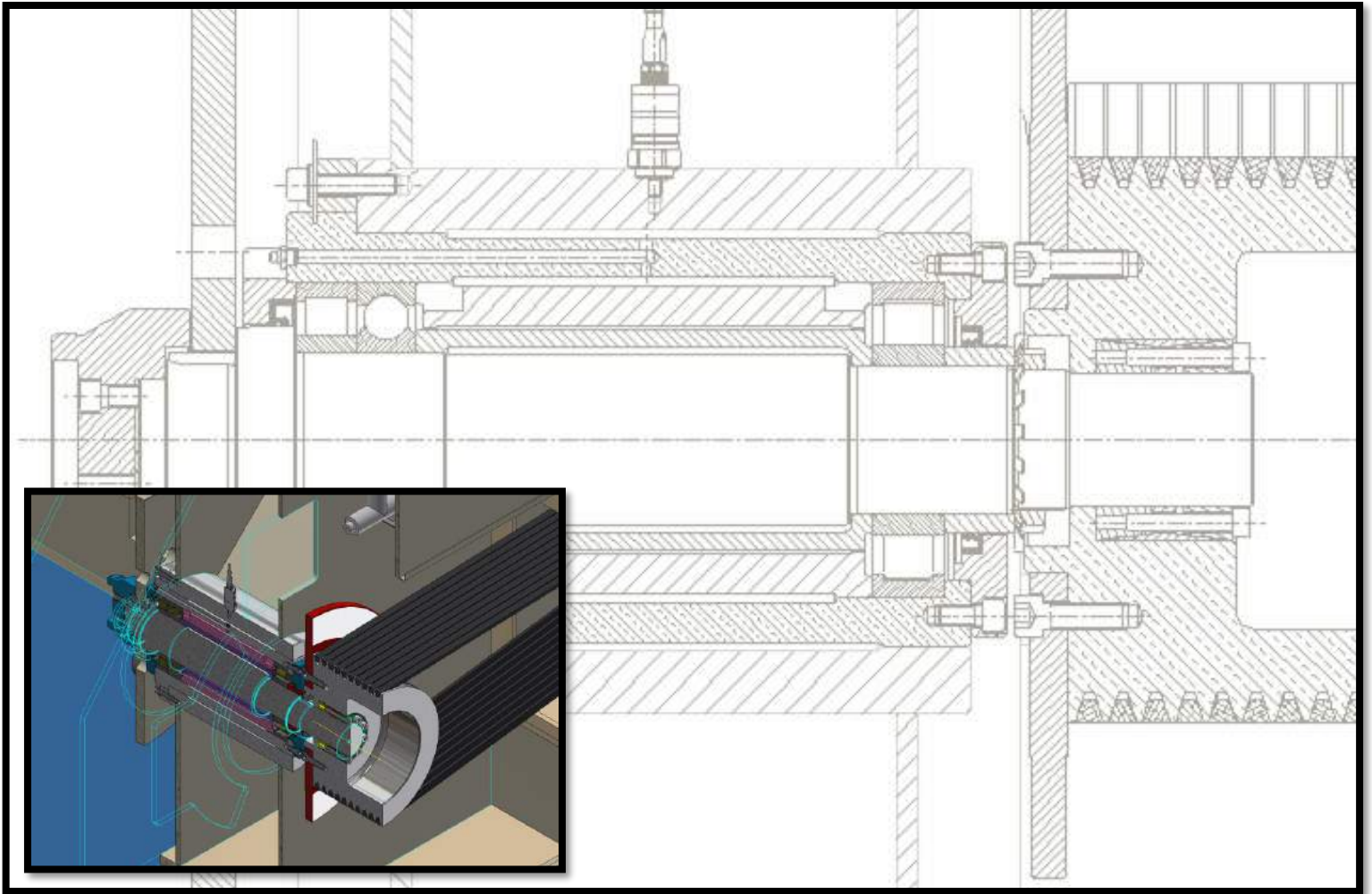
ISO 14001:2015

ISO 45001:2018

(TÜV Management Service GmbH - Germany)

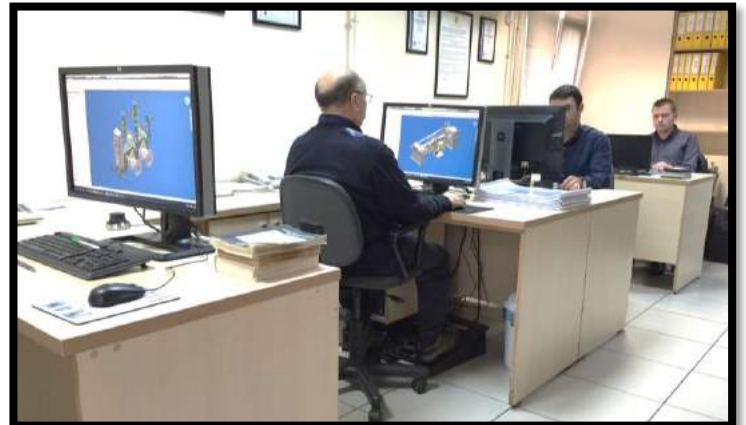


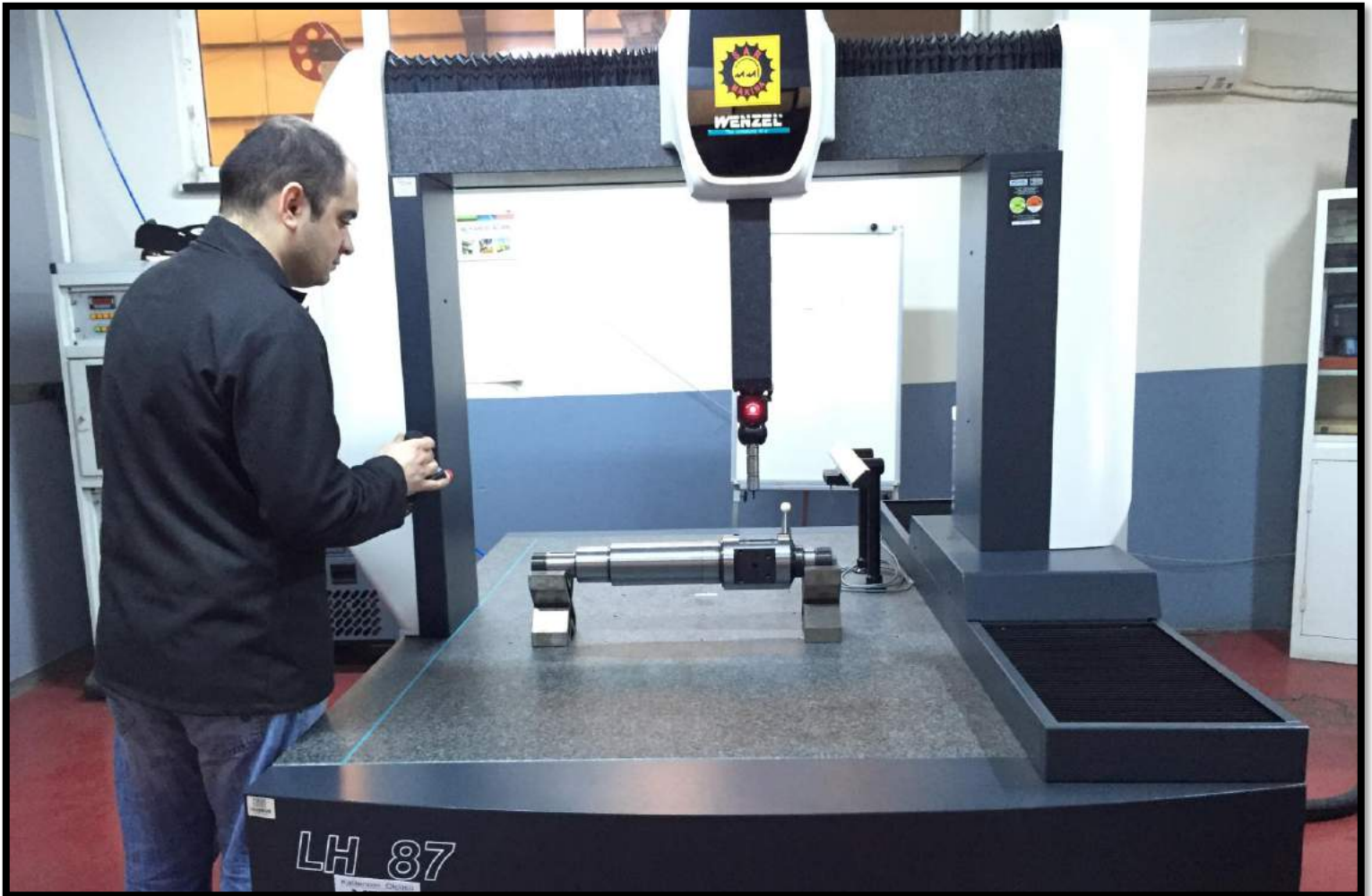




Innovation

Our creativity is the basis for new technological solutions that turn into quality products.





SARMAKİNA' s culture
Our distinctive corporate culture is a common bond.
We live by our values and strive for continuous improvement.



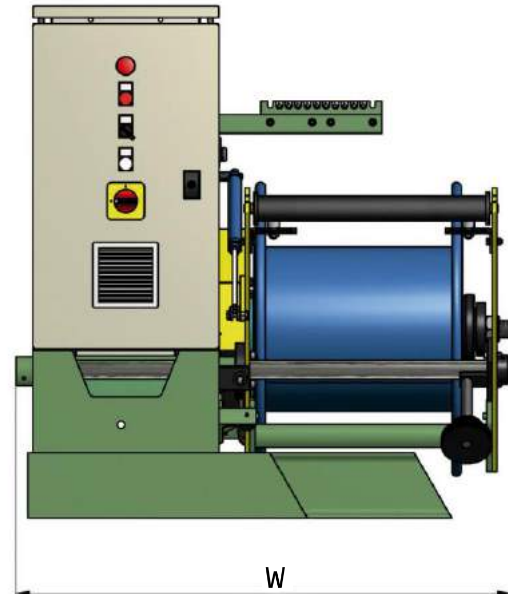
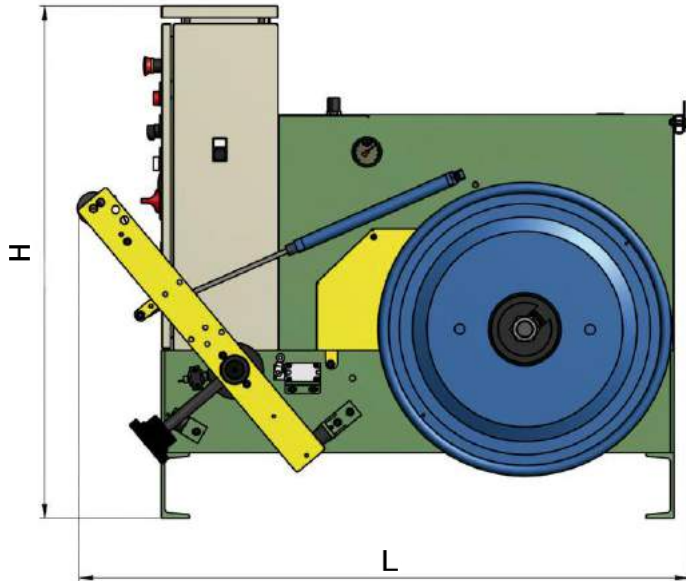
MAIN CHARACTERISTICS

- Loading and unloading of reel by hall crane or pallet jack
- Braked AC Motors
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch

NOTE: According to the customer request; the pay-offs can be manufactured as "Heavy-Duty" by using larger cylinders and stronger dancer arms. "Heavy-Duty" pay-offs can work with conductors of cross-section up to 6,00 mm². Lower speeds with higher torque can be achieved by GearBox when requested by customers.



TECHNICAL SPECIFICATIONS	SCM 630-1	SCM 630-1 Hi-Speed	SCM 800-1
Line Speed	300 m/min. (max.)	600 m/min. (max.)	300 m/min. (max.)
Conductor Cross Section	(0,054-2,50) mm ²	(0,054-2,50) mm ²	(0,054-2,50) mm ²
Number of Reels	1	1	1
Motor Power	1,5 kW AC	3 kW AC	3 kW AC
Supply Voltage	220 V/50 Hz	380 V/50 Hz	380 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH)	1320x1065x1180	1320x1065x1180	1430x1195x1210
REEL DIMENSIONS	(Acc. to DIN 46397)		
Flange Diameter	630 mm	630 mm	800 mm
Barrel Diameter	355 mm	355 mm	450 mm
Bore Diameter	127 mm	127 mm	127 mm
Traverse Width	400 mm	400 mm	500 mm
Total Width	475 mm (max.)	475 mm (max.)	540 mm
Weight	600 kg (max.)	600 kg (max.)	1000 kg (max.)





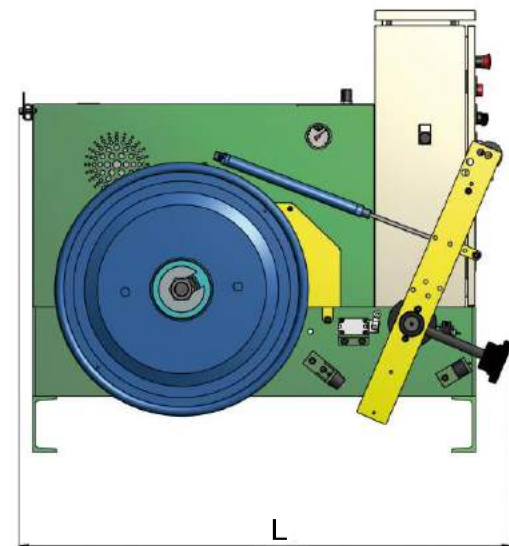
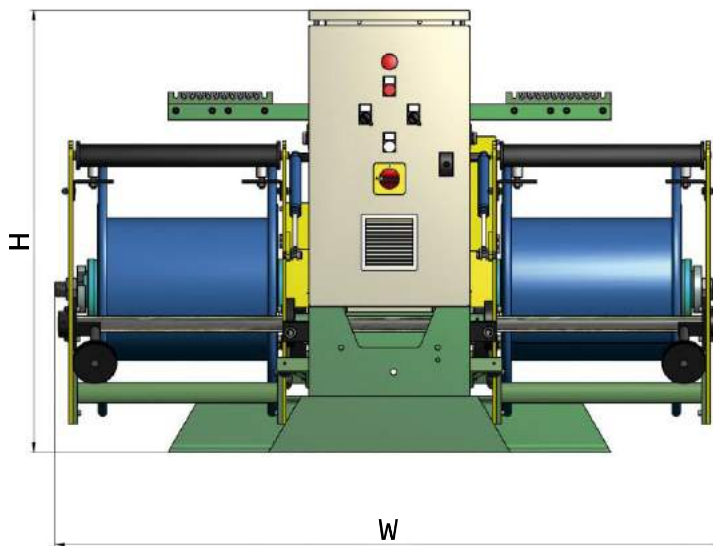
MAIN CHARACTERISTICS

- Loading and unloading of reel by hall crane or pallet jack
- Braked AC Motors
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch

NOTE: According to the customer request; the pay-offs can be manufactured as "Heavy-Duty" by using larger cylinders and stronger dancer arms. "Heavy-Duty" pay-offs can work with conductors of cross-section up to 6,00 mm². Lower speeds with higher torque can be achieved by GearBox when requested by customers.



TECHNICAL SPECIFICATIONS	SCM 630-2	SCM 630-2 Hi-Speed	SCM 800-2
Line Speed	300 m/min. (max.)	600 m/min. (max.)	300 m/min. (max.)
Conductor Cross Section	(0,054-2,50) mm ²	(0,054-2,50) mm ²	(0,054-2,50) mm ²
Number of Reels	1	1	1
Motor Power	1,5 kW AC	3 kW AC	3 kW AC
Supply Voltage	220 V/50 Hz	380 V/50 Hz	380 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH)	1320x1660x1180	1320x1660x1180	1430x1990x1210
REEL DIMENSIONS	(Acc. to DIN 46397)		
Flange Diameter	630 mm	630 mm	800 mm
Barrel Diameter	355 mm	355 mm	450 mm
Bore Diameter	127 mm	127 mm	127 mm
Traverse Width	400 mm	400 mm	500 mm
Total Width	475 mm (max.)	475 mm (max.)	540 mm
Weight	600 kg (max.)	600 kg (max.)	1000 kg (max.)





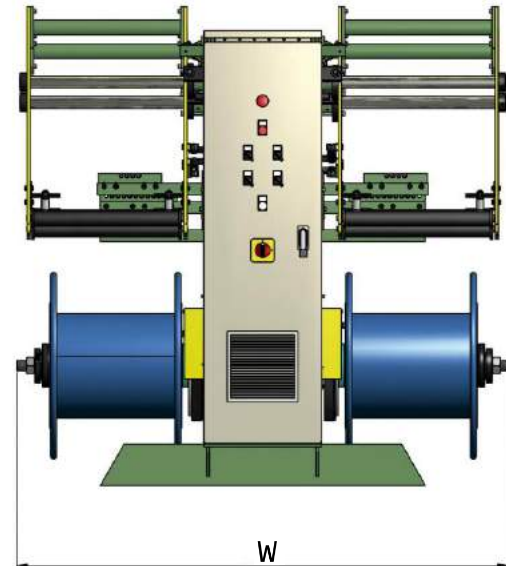
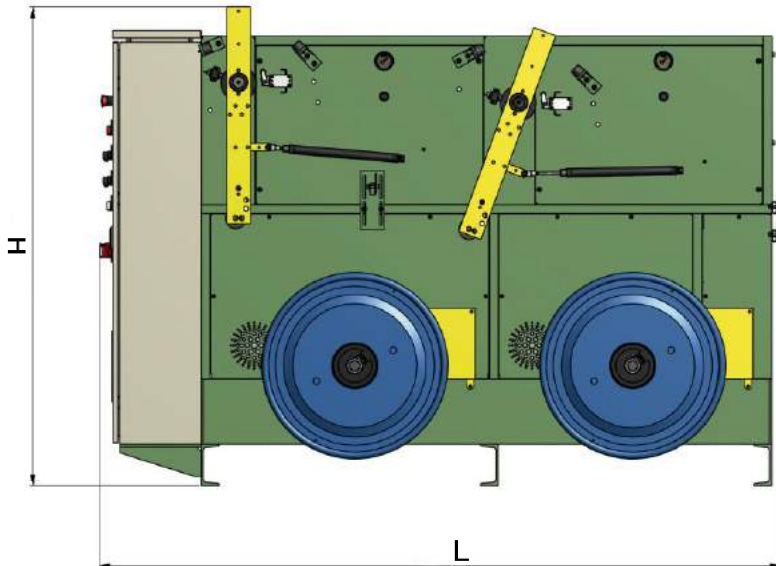
MAIN CHARACTERISTICS

- Loading and unloading of reel by hall crane or pallet jack
- Braked AC Motors
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch

NOTE: According to the customer request; the pay-offs can be manufactured as "Heavy-Duty" by using larger cylinders and stronger dancer arms. "Heavy-Duty" pay-offs can work with conductors of cross-section up to 6,00 mm². Lower speeds with higher torque can be achieved by GearBox when requested by customers.



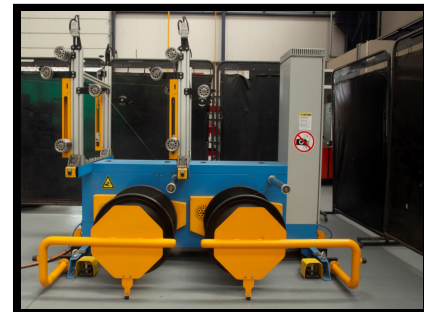
TECHNICAL SPECIFICATIONS	SCM 630-4	SCM 630-4 Hi-Speed	SCM 800-4
Line Speed	300 m/min. (max.)	600 m/min. (max.)	300 m/min. (max.)
Conductor Cross Section	(0,14-2,50) mm ²	(0,14-2,50) mm ²	(0,14-2,50) mm ²
Number of Reels	4	4	4
Motor Power	1,5 kW AC	3 kW AC	3 kW AC
Supply Voltage	380 V/50 Hz	380 V/50 Hz	380 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH)	2300x1660x1700	2560x1660x1900	2300x1990x1910
REEL DIMENSIONS	(Acc. to DIN 46397)		
Flange Diameter	630 mm	630 mm	800 mm
Barrel Diameter	355 mm	355 mm	450 mm
Bore Diameter	127 mm	127 mm	127 mm
Traverse Width	400 mm	400 mm	500 mm
Total Width	475 mm (max.)	475 mm (max.)	540 mm
Weight	600 kg (max.)	600 kg (max.)	1000 kg (max.)



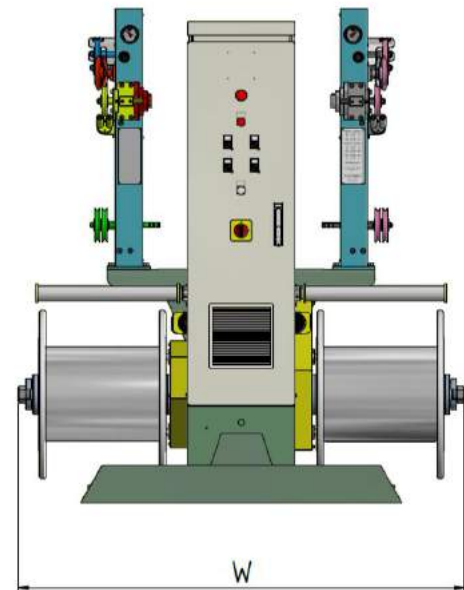
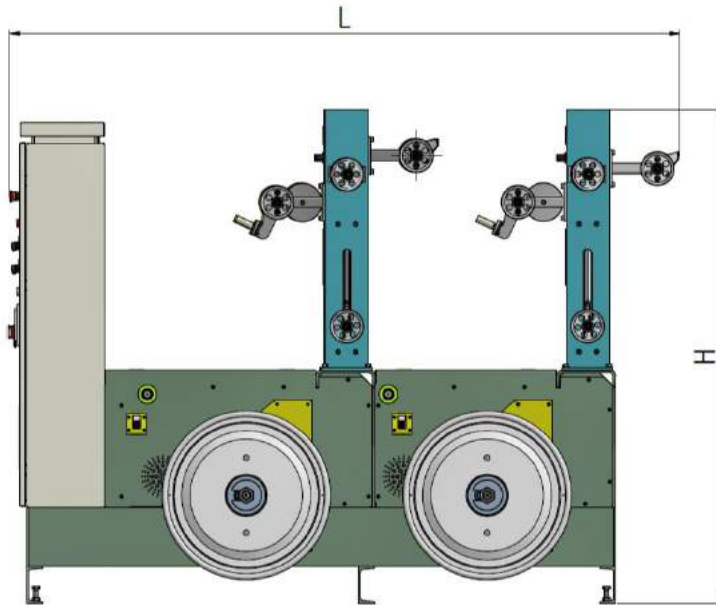


MAIN CHARACTERISTICS

- Sensitive wire tension control
- Soft Start&Stop
- Loading and unloading of reel by hall crane or pallet jack
- Braked AC Motors
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch



TECHNICAL SPECIFICATIONS	SCM 630-4
Line Speed	600 m/min. (max.)
Conductor Cross Section	(0,14-2,50) mm ²
Number of Reels	4
Motor Power	3 kW AC
Supply Voltage	380 V/50 Hz
Compressed Air	4 - 10 bar
Covered Area (LxWxH)	2300x1660x1700
REEL DIMENSIONS	(Acc. to DIN 46397)
Flange Diameter	630 mm
Barrel Diameter	355 mm
Bore Diameter	127 mm
Traverse Width	400 mm
Total Width	475 mm (max.)
Weight	600 kg (max.)





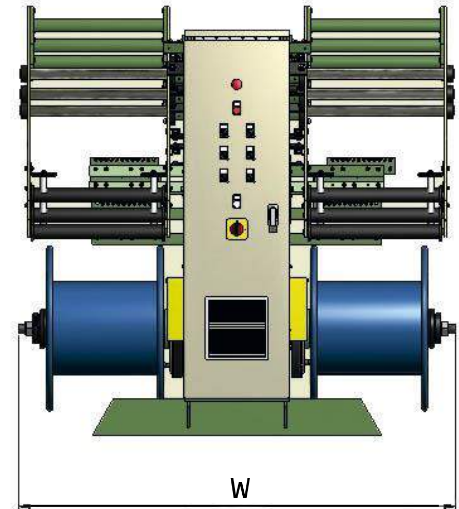
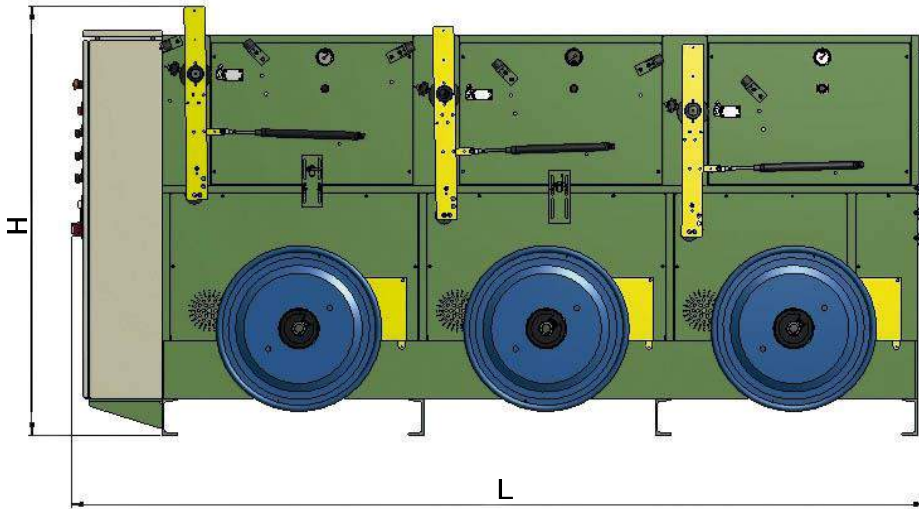
MAIN CHARACTERISTICS

- Loading and unloading of reel by hall crane or pallet jack
- Braked AC Motors
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch

NOTE: According to the customer request; the pay-offs can be manufactured as "Heavy-Duty" by using larger cylinders and stronger dancer arms. "Heavy-Duty" pay-offs can work with conductors of cross-section up to 6,00 mm². Lower speeds with higher torque can be achieved by GearBox when requested by customers.



TECHNICAL SPECIFICATIONS	SCM 630-6	SCM 630-6 Hi-Speed	SCM 800-6
Line Speed	300 m/min. (max.)	600 m/min. (max.)	300 m/min. (max.)
Conductor Cross Section	(0,14-2,50) mm ²	(0,14-2,50) mm ²	(0,14-2,50) mm ²
Number of Reels	6	6	6
Motor Power	1,5 kW AC	3 kW AC	3 kW AC
Supply Voltage	380 V/50 Hz	380 V/50 Hz	380 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH)	3250x1660x1710	3250x1660x1710	3250x1990x1910
REEL DIMENSIONS	(Acc. to DIN 46397)		
Flange Diameter	630 mm	630 mm	800 mm
Barrel Diameter	355 mm	355 mm	450 mm
Bore Diameter	127 mm	127 mm	127 mm
Traverse Width	400 mm	400 mm	500 mm
Total Width	475 mm (max.)	475 mm (max.)	540 mm
Weight	600 kg (max.)	600 kg (max.)	1000 kg (max.)





CUSTOM PROJECTS

One of SARMAKİNA' s main characteristics is being able to accustomed to customers needs. With constant demands, SARMAKİNA is always thinking of ways to improve and design machines to your specifications.

Your production needs are valuable for us. We are always open to evaluate any projects..





Hundreds of standard SARMAKİNA pay-off's in production at our customers plants all around the World.





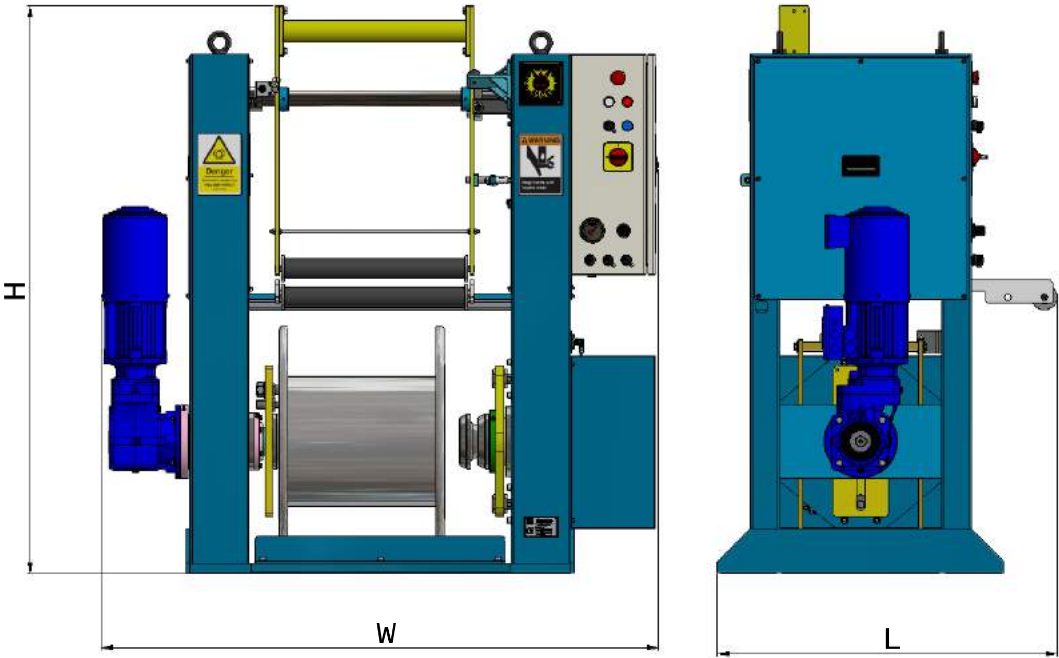
MAIN CHARACTERISTICS

- Loading and unloading of reel by pneumatic cylinders
- Pintle type design, of which one is fixed and the other is to be either manually or pneumatically activated
- Braked AC Motor with GearBox
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch

NOTE: According to customer request the pay-off can be manufactured with a line speed up to 600 m/min.



TECHNICAL SPECIFICATIONS	SCMPK 630	SCMPK 800
Line Speed	300 up-to 600 m/min. (max.)	300 up-to 600 m/min. (max.)
Conductor Cross Section	(0,14-2,50) mm ²	(0,14-2,50) mm ²
Number of Reels	1	1
Motor Power	1,5..4,0 kW AC	2,2..5,5 kW AC
Supply Voltage	220 V/50 Hz	220 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH)	850x1740x1560	940x1800x1750
REEL DIMENSIONS	(Acc. to DIN 46397)	
Flange Diameter	630 mm	800 mm
Barrel Diameter	355 mm	450 mm
Bore Diameter	127 mm	127 mm
Traverse Width	400 mm	500 mm
Total Width	475 mm (max.)	540 mm (max.)
Weight	600 kg (max.)	1000 kg (max.)



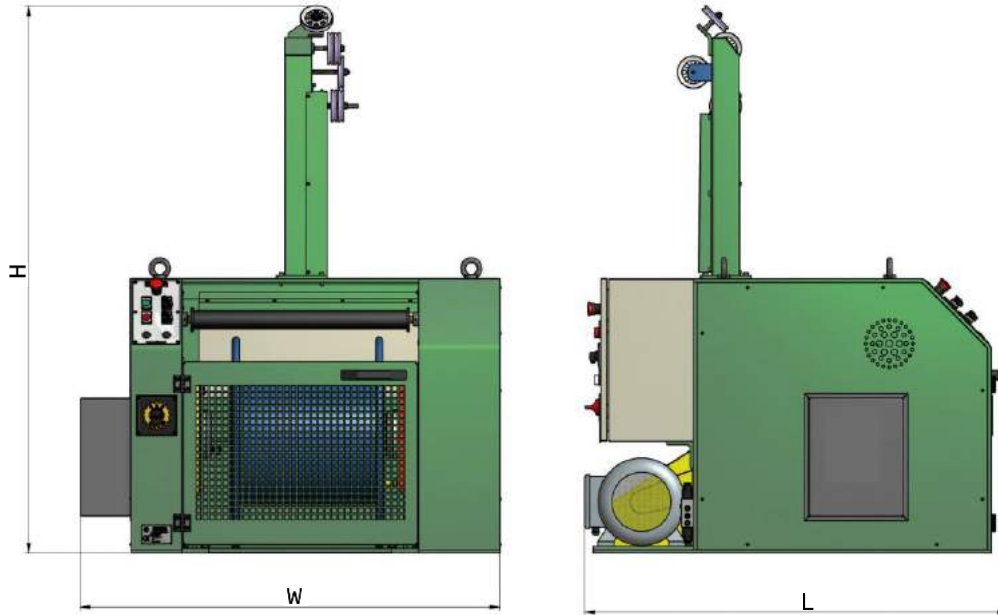


MAIN CHARACTERISTICS

- Loading and unloading of reel by pneumatic cylinders
- Pintle type design, of which one is fixed and the other is pneumatically activated
- Braked AC Motors
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch



TECHNICAL SPECIFICATIONS	SCMPK 630.5	SCMPK 800.5
Line Speed	300 up-to 1200 m/min. (max.)	300 up-to 1200 m/min. (max.)
Conductor Cross Section	(0,054-2,50) mm ²	(0,14-2,50) mm ²
Number of Reels	1	1
Motor Power	4 ..7,5 kW AC	3.. **kW AC
Supply Voltage	380 V/50 Hz	380 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH) Approx.	1250x1350x1620	1400x1990x2500
REEL DIMENSIONS	(Acc. to DIN 46397)	
Flange Diameter	630 mm	800 mm
Barrel Diameter	355 mm	450 mm
Bore Diameter	127 mm	127 mm
Traverse Width	400 mm	500 mm
Total Width	475 mm (max.)	540 mm
Weight Approx.	600 kg (max.)	1000 kg (max.)

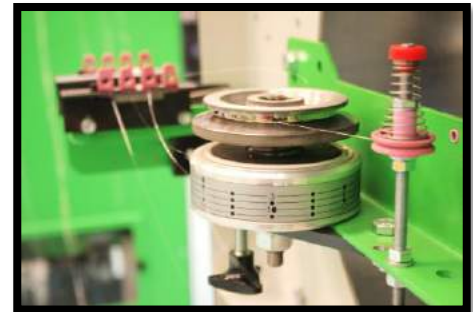
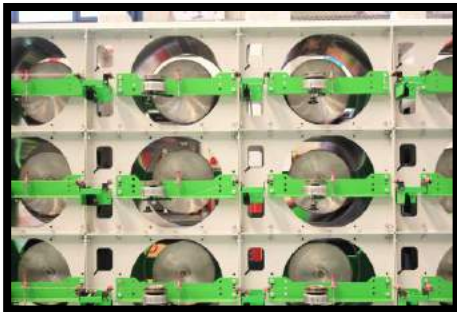




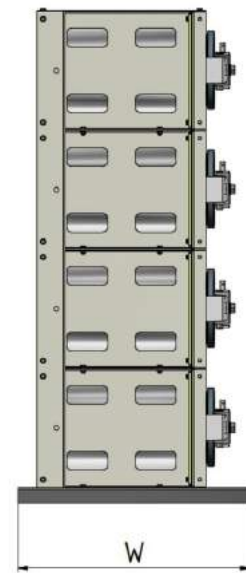
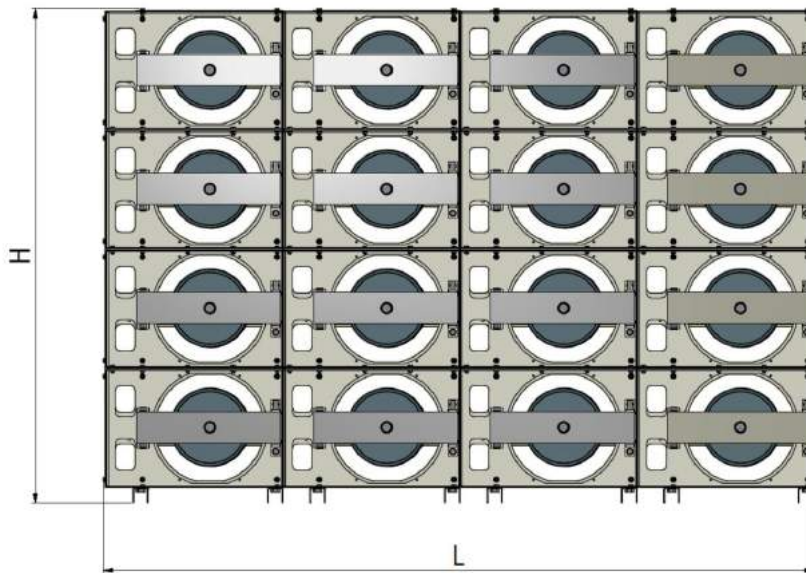
16 Head (1 Module x 4)

MAIN CHARACTERISTICS

- Loading and unloading of reel manually
- Modular design
- Wire-break and wire-end detector at outlet of pay-off
- Sensitive tension unit with magnet break
- All wire guides made from sinter ceramics



TECHNICAL SPECIFICATIONS	SCS 315
Line Speed	300 m/min. (max.)
Conductor Diameter	(0,10-0,40) mm
Supply Voltage	24 V DC
Tension Range	0,78.. 650 cN
Weight	210 Kg - 4 Modules
Covered Area (LxWxH)	2270X740X1580
REEL DIMENSIONS	(Acc. to DIN 46397)
Flange Diameter	315 mm
Bore Diameter	(22-127) mm
Total Width	236 mm (max.)

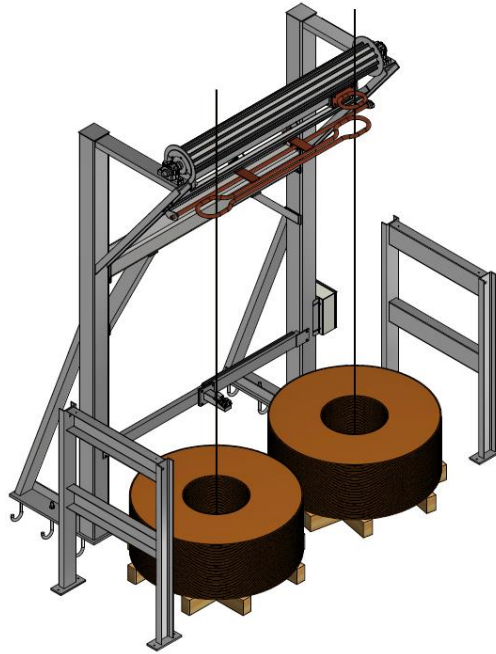




- Basket loading and unloading via forklift.
- Continuous line operation is provided by welding the end of the wire and the beginning of the wire of the other basket.
- One basket is used for each wire.
- It can be combined between 4 and 24 baskets (increasing by 2).

Technical Specifications	SSC 1080 24/16
Line Speed	3 m/sn (max.)
Wire Diameter (Cu Soft 250 N/mm ²)	1...2 mm
Wire Diameter (Cu Hard 500 N/mm ²)	0,8.....1,6 mm
Pay-Off Positions	24-16
Basket Dimensions	
Outer diameter	1080 mm (max.)
Height	2000 mm (max.)
Machine Dimensions (16 position)	
LxWxH	10500 x 2300 x 4600 mm
Weight	1500 kg (approx.)
Machine Dimensions (24 position)	
LxWxH	17000 x 2300 x 4600 mm
Weight	2250 kg (approx.)





- Loading and unloading via forklift
- Continuous line operation is provided by welding the end of the wire and the beginning of the wire of the other basket.
- Automatic changeover from empty to full wire rod

Technical Specifications	SFC 2000
Line Speed	2,5 m/sn (max.)
Wire Diameter (Cu soft)	3,6...8 mm
Pay-Off Positions	2
Coil Dimensions	
Outer Diameter	2000 mm (max.)
Pallet Dimensions	2000 x 2000 mm (max.)
Machine Dimensions	
LxWxH	4520 x 3000 x 4780 mm



Outstanding Quality

Refined eye, hand and sense of preciseness that are obtained only from years of experience. We deliver products that offer the best quality and reliability. In this way, we meet our customers' wishes and expectations.





SBM 800

SAKIS-VEIKKAUS

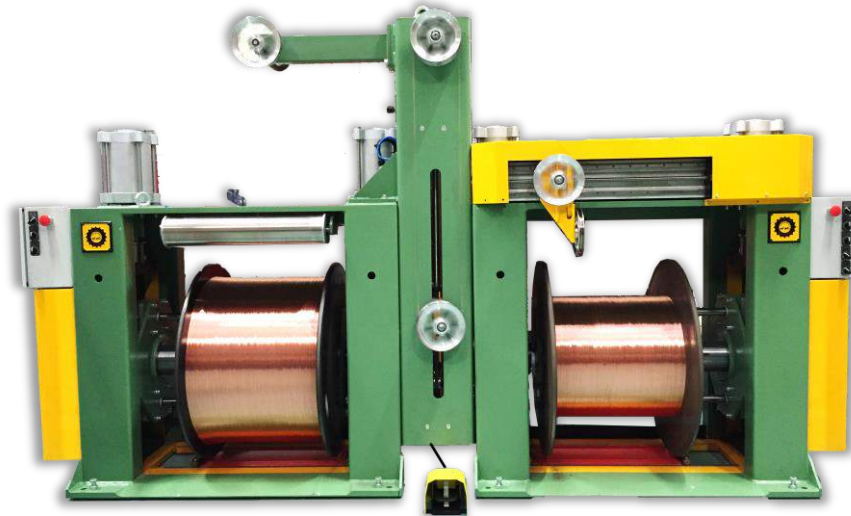
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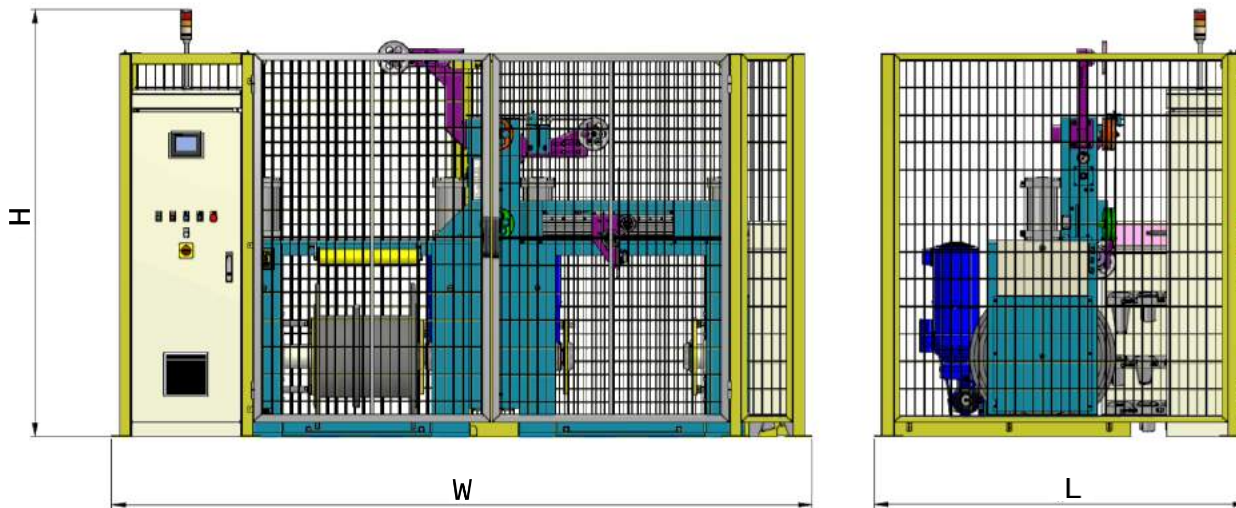


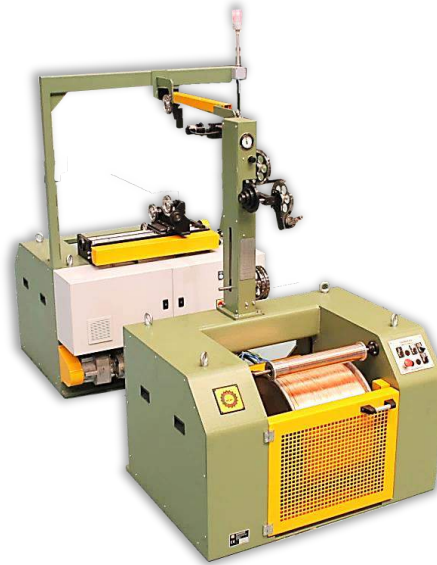
MAIN CHARACTERISTICS

- Loading and unloading of reel is performed automatically by pneumatic cylinder
- Pintle type design, of which one is fixed and the other is pneumatically activated
- Pneumatic brakes
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch



TECHNICAL SPECIFICATIONS	SAM-Y 800 → 630
Line Speed	600 m/min.(max)
Conductor Cross Section	4,50 mm ² (max)
Tension	400 N (max)
Motor Power	2 x 7,5 kW AC
Supply Voltage	380 V / 50 Hz
Compressed Air	4 - 10 bar
Machine Dimensions (LxWxH)	2850x2050x2342
REEL DIMENSIONS	(Acc. to DIN 46397)
Flange Diameter	630 - 800 mm
Barrel Diameter	355 - 450 mm
Bore Diameter	127 mm
Traverse Width	500 mm
Total Width	540 mm
Weight	1200 kg (max)





MAIN CHARACTERISTICS

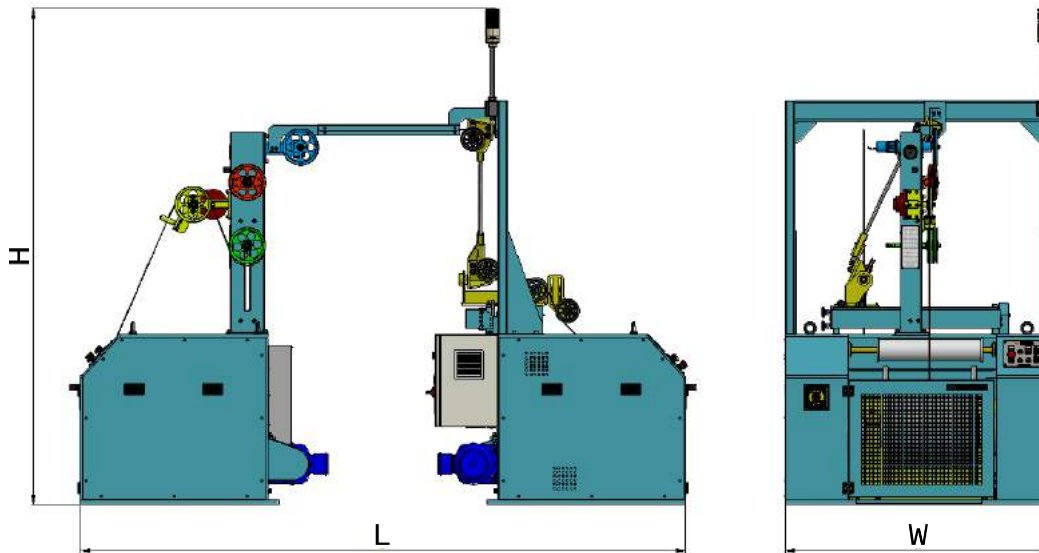
- Loading and unloading of reel is performed automatically by pneumatic cylinder
- Pintle type design, of which one is fixed and the other is pneumatically operated
- Pneumatic or electromechanic motor brakes
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension is provided by pneumatic and/or counter weight dancer system while line speed is maintained by PID controlled inverter.
- Dancer control by inductive analog switch
- User friendly Operation Panel for operating of the machine and monitoring of faults.

OPTIONS

Wire break control system



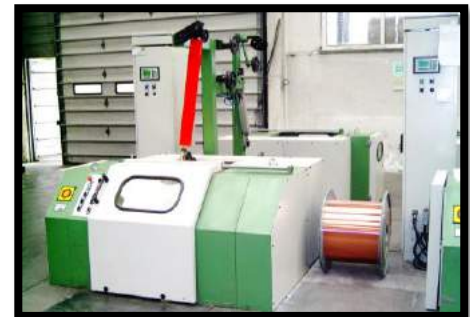
TECHNICAL SPECIFICATIONS	SAM 630	SAM 800
Line Speed	100 up-to 600 m/min. (max.)	100 up-to 600 m/min. (max.)
Conductor Cross Section	(0,054-2,50) mm ²	(0,14-4,00) mm ²
Number of Reels	1	1
Motor Power	3 kW AC	7,5 kW AC
Supply Voltage	380 V/50 Hz	380 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH) Approx.	2900x1280x2380	3800x1800x2500
REEL DIMENSIONS	(Acc. to DIN 46397)	
Flange Diameter	630 mm	800 mm
Barrel Diameter	355 mm	450 mm
Bore Diameter	127 mm	127 mm
Traverse Width	400 mm	500 mm
Total Width	475 mm (max.)	540 mm
Weight Approx.	600 kg (max.)	1000 kg (max.)



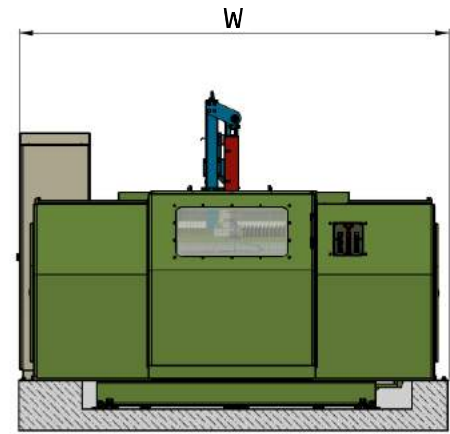
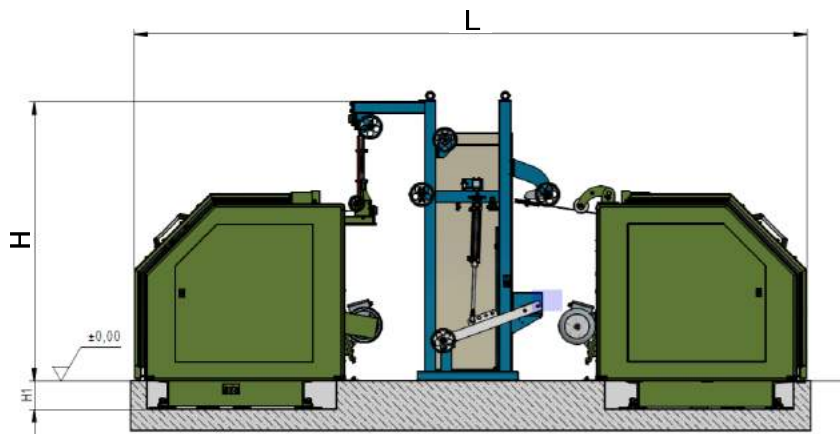


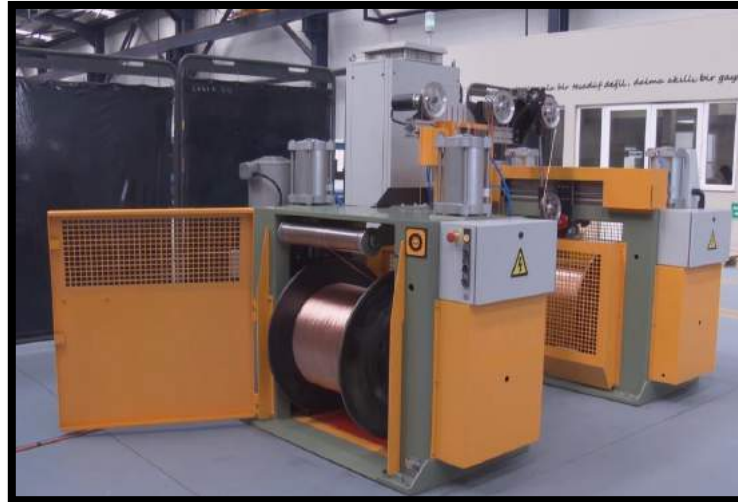
MAIN CHARACTERISTICS

- Loading and unloading of reel is performed automatically by hydraulic or pneumatic cylinder
- Pintle type design, of which one is fixed and the other is to be either hydraulically, pneumatically or manually operated
- Pneumatic brakes
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension is provided by pneumatic dancer system while line speed is maintained by PID controlled inverter.
- Dancer control by inductive analog switch
- User friendly Operation Panel for operating of the machine and monitoring of faults.



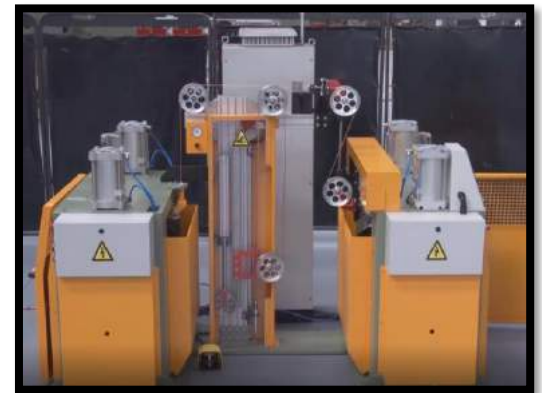
TECHNICAL SPECIFICATIONS	SAM 630	SAM 800	SAM 1000
Line Speed	1200 m/min. (max.)	800 m/min. (max.)	800 m/min. (max.)
Conductor Cross Section	(0,14-2,50) mm ²	(0,14-6,00) mm ²	(0,14 - 6,00) mm ²
Number of Reels	1	1	1
Motor Power	11 kW AC	7,5 kW AC	7,5 kW AC
Supply Voltage	380 V/50 Hz	380 V/50 Hz	380 V/50 Hz
Compressed Air	4 - 10 bar	4 - 10 bar	4 - 10 bar
Covered Area (LxWxH) Approx.	3400x1950x1900	4100x2800x1950	4900x3800x2100
REEL DIMENSIONS	(Acc. to DIN 46397)		
Flange Diameter	630 mm	800 mm	1000 mm
Barrel Diameter	355 mm	450 mm	560 mm
Bore Diameter	127 mm	127 mm	127 mm
Traverse Width	400 mm	500 mm	630 mm
Total Width	475 mm (max.)	540 mm	750 mm
Weight Approx.	600 kg (max.)	1000 kg (max.)	1000 kg (max.)



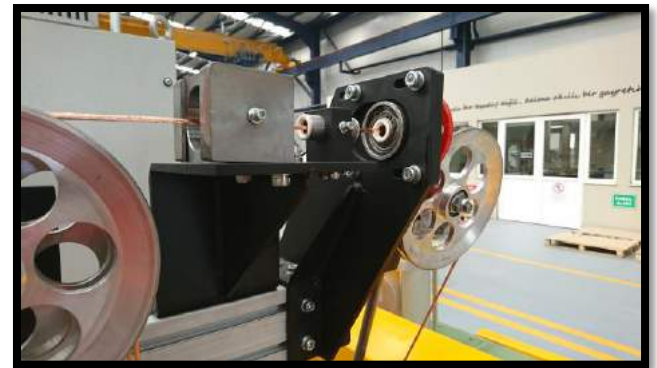


MAIN CHARACTERISTICS

- Loading and unloading of reel is performed automatically by pneumatic cylinder
- Pintle type design, of which one is fixed and the other is pneumatically activated
- Motor speed control by frequency inverter controlled by magnetic flux vector
- Wire tension is maintained fixed until the reel is relieved from its fully loaded position
- Wire tension control is normally effected by pneumatic dancer and PID controlled inverter
- Dancer control by inductive analog switch



TECHNICAL SPECIFICATIONS	SAM-D 800 → 630
Line Speed	600 m/min.(max)
Conductor Diameter	min.(7x0,10) multi wire max.(56x0,30)
Tension	400 N (max)
Motor Power	5,5kw (pay-off)+5,5kw (spooler)
Supply Voltage	380 V / 50 Hz
Compressed Air	4 - 6 bar
Machine Dimensions (LxWxH)	2725x1750x1950
REEL DIMENSIONS	(Acc. to DIN 46397)
Flange Diameter	800 (max)
Barrel Diameter	400
Bore Diameter	127 mm
Traverse Width	550 mm (max)
Total Width	600 mm (max)
Weight	1000 kg (max)





MAIN CHARACTERISTICS

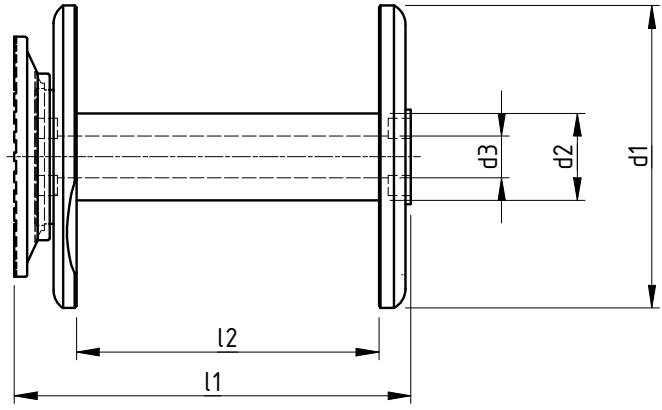
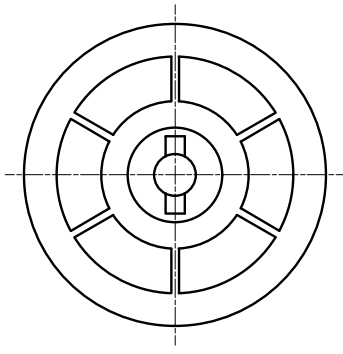
- Operation is controlled automatically. Trapping and initial winding of wires; cutting and fixing of wire ends are made automatically
- Cu, Al, Fe (annealed), stainless steel and textiles material can be used
- Input parameters can be set by using the touch screen. Winding process of the spool is made according to the stored parameters
- Wound spools are released from the spool spindles into a magazine and the spooling process restarts automatically
- Spools are changed automatically with magazine

TECHNICAL SPECIFICATIONS	
Line Speed*	8500 rpm (max.)
Single Wire Diameter**	(0,05-0,40) mm
Max. Wire Splitting per Braiding Bobbin	10 Wires
Permissible Wire Bundle Cross-Section (Cu Soft)	0,370 mm ² (max.) 0,031 mm ² (min.)
Machine Dimensions (LxWxH)	1700x1500x2200
REEL DIMENSIONS	
Flange Diameter (mm)	40...80
Traverse Width (mm)	20...110
Total Width (mm)	25...125
Max. Weight (kg)	3

* Depending on the Pay-Off, quality of the material being used and winding quality of the reel on the Pay-Off

** With correct type of Pay-Off





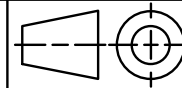
No	Typ of Bobbin	Bobbin	d ₁	d ₂	d ₃	l ₁	l ₂	Winder	Weight	Snap-Typ
		Manufac.			+0,5 mm			Volume		
			mm	mm	mm	mm	mm	cm ³	gr	
1	FSP 65/100/80	Steintex	65	23	10	100	80	230	90	65
2	FSP 68/100/77	Steintex	68	23	10	100	77	245	96	65
3	FSP 70/100/80	Steintex	70	23	10	100	80	270	100	65
4	FSP 75/100/50	Steintex	75	25	10	100	50	200	105	75,1
5	FSP 75/100/50b	Steintex	75	28	10	100	50	160	90	-
6	FSP 75/100/70-23	Steintex	75	23	10	100	70	280	120	65,1
7	FSP 75/100/70-30	Steintex	75	30	10	100	70	260	140	65,1
8	FSP 75/100/70b	Steintex	75	24	10	100	70	240	105	-
9	FSP 76/100/77	Steintex	76	23	10	100	77	320	100	65
10	FSP 80/100/80	Steintex	80	23	10	100	80	370	110	65
11	FSP 80/100/81,6	Steintex	80	23	10	100	81,6	370	110	65
12	FSP 80/100/80-32	Steintex	80	32	10	100	80	335	160	65
13	FSP 80/100/80b	Steintex	80	20	10	100	82	340	92	-
14	FSP 80/100/80-Alst	Steintex	80	20	10	100	80	385	274	65
15	WSN 01	Steintex	66	34	16,5	82	69	130	90	65,31
16	WSN 02	Steintex	66	34	16,5	116	104	194	112	65,31
17	HSP 01	Steintex	80	34	16,5	85	70,5	234	124	65,31
1	WA 65/16-80	Haefner	65,8	35,3	16,8	82,2	71,2	172	-	-
2	WA 67/16-82	Haefner	67	34,5	16,5	81,8	69,2	179	-	-
3	WA 65/16-117	Haefner	67	34,5	16,5	116,6	104	269	-	-
4	WA 75/10-100 S	Haefner	75	23	10	100	70	280	-	-
5	WA 80/10-100	Haefner	80	23	10	100	80	368	-	-
6	WA 80/16-86 S	Haefner	80	34,5	16,5	85	70,5	288	-	-

NOTE : PLEASE SPECIFY YOUR BOBBIN SIZE AND TYPE DURING ORDER

* TOLERANSI VERİLMEMİŞ; UZUNLUK VE AÇI ÖLÇÜLERİ İÇİN DIN 2768-T1 Sınıf: m/f ,ŞEKİL VE KONUMLAR İÇİN DIN 2768-T2 Sınıf: m/f STANDARTLARI GEÇERLİDİR.
* Talaşlı imalatlar f sınıfı, konstrüktif parçalar m sınıfı olarak değerlendirilecektir.

ÇİZEN	Yasin SAKA	13.06.2019 17:12
DÜZENLEYEN	Yasin SAKA	26.11.2019 11:45
KONTROL	Serhat BAŞAK	
ONAY	Sadık SAZAN	

Toplam Ağırlık: 0.10 kg



SARMAKİNA
SANAYİ VE TİCARET A.Ş.

**AUTOMATIC
BOBİN WINDER**

SBS 4 / 600

PLASTIC SPOOLS

REFERANS

RESİM NO:

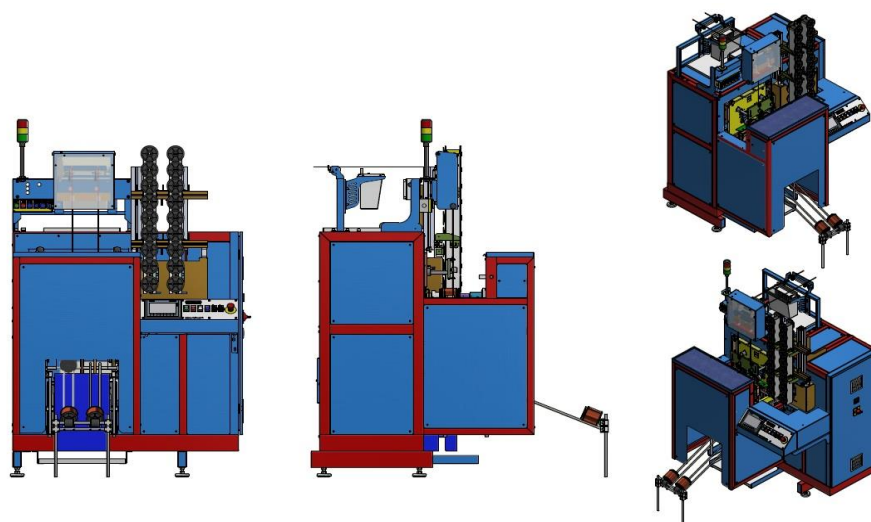
2013.020.99.03.000

KAĞIT EBADI

A4

ÖLÇEK

1 : 2

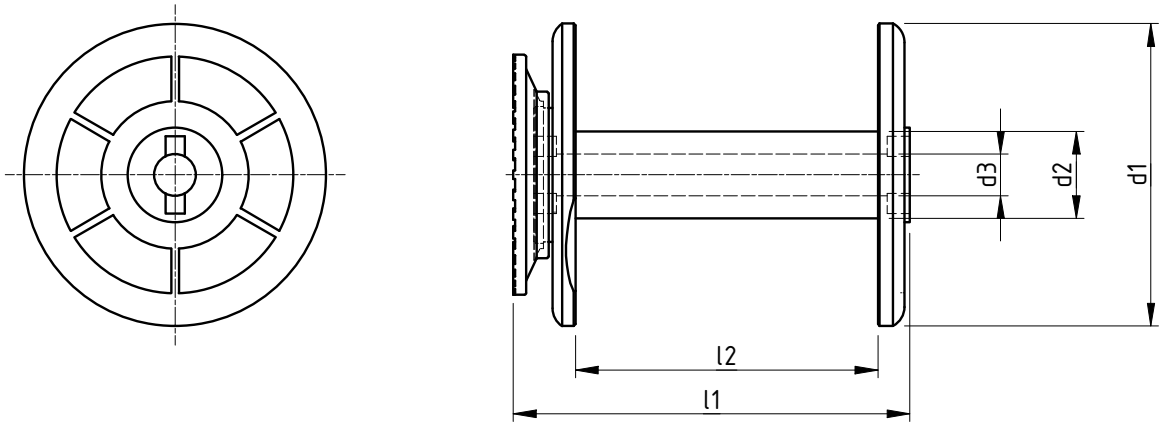


MAIN CHARACTERISTICS

- Operation is controlled automatically. Trapping and initial winding of wires; cutting and fixing of wire ends are made automatically
- Cu, Al, Fe (annealed), stainless steel and textiles material can be used
- Input parameters can be set by using the touch screen. Winding process of the spool is made according to the stored parameters
- Wound spools are released from the spool spindles into a magazine and the spooling process restarts automatically
- Spools are changed automatically with magazine

TECHNICAL SPECIFICATIONS	
Line Speed*	8500 rpm (max.)
Single Wire Diameter**	(0,05-0,40) mm
Permissible Wire Bundle (Cu Soft)	16 x 0.05 mm 11 x 0.30 mm
Permissible Wire Bundle Cross-Section (Cu Soft)	0,844 mm ² (max.) 0,031 mm ² (min.)
Machine Dimensions (LxWxH)	1700x1500x2200
REEL DIMENSIONS	
Flange Diameter (mm)	40....110
Traverse Width (mm)	20....110
Total Width (mm)	25....125
Max. Weight (kg)	3





No	Typ of Bobbin	Bobbin	d ₁	d ₂	d ₃	l ₁	l ₂	Winder	Weight	Snap-Typ
		Manufac.			+0,5 mm			Volume		
			mm	mm	mm	mm	mm	cm ³	gr	
1	FSP 65/100/80	Steintex	65	23	10	100	80	230	90	65
2	FSP 68/100/77	Steintex	68	23	10	100	77	245	96	65
3	FSP 70/100/80	Steintex	70	23	10	100	80	270	100	65
4	FSP 75/100/50	Steintex	75	25	10	100	50	200	105	75,1
5	FSP 75/100/50b	Steintex	75	28	10	100	50	160	90	-
6	FSP 75/100/70-23	Steintex	75	23	10	100	70	280	120	65,1
7	FSP 75/100/70-30	Steintex	75	30	10	100	70	260	140	65,1
8	FSP 75/100/70b	Steintex	75	24	10	100	70	240	105	-
9	FSP 76/100/77	Steintex	76	23	10	100	77	320	100	65
10	FSP 80/100/80	Steintex	80	23	10	100	80	370	110	65
11	FSP 80/100/81,6	Steintex	80	23	10	100	81,6	370	110	65
12	FSP 80/100/80-32	Steintex	80	32	10	100	80	335	160	65
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14	FSP 80/100/80-Alst	Steintex	80	20	10	100	80	385	274	65
15	FSP 98/100/80	Steintex	98	33	10	100	80	535	200	85
16	FSP 98/100/82-Alst	Steintex	98	32	10	100	82	550	625	85
17	FSP 110/108/90	Steintex	110	33	15	108	90	775	235	85
18	FSP 110/108/90Alst	Steintex	110	32	15	108	90	780	680	85,1
19	WSN 01	Steintex	66	34	16,5	82	69	130	90	65,31
20	WSN 02	Steintex	66	34	16,5	116	104	194	112	65,31
21	HSP 01	Steintex	80	34	16,5	85	70,5	234	124	65,31
1	WA 65/16-80	Haefner	65,8	35,3	16,8	82,2	71,2	172	-	-
2	WA 67/16-82	Haefner	67	34,5	16,5	81,8	69,2	179	-	-
3	WA 65/16-117	Haefner	67	34,5	16,5	116,6	104	269	-	-
4	WA 75/10-100 S	Haefner	75	23	10	100	70	280	-	-
5	WA 80/10-100	Haefner	80	23	10	100	80	368	-	-
6	WA 80/16-86 S	Haefner	80	34,5	16,5	85	70,5	288	-	-

NOTE : PLEASE SPECIFY YOUR BOBBIN SIZE AND TYPE DURING ORDER

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* Talaşlı imalatlar f sınıfı, konstrüktif parçalar m sınıfı olarak değerlendirilecektir.

ÇİZEN	Yasin SAKA	13.06.2019 17:12	Toplam Ağırlık: 0.10 kg			SARMAKİNA SANAYİ VE TİCARET A.Ş.
DÜZENLEYEN	Yasin SAKA	26.11.2019 11:43				
KONTROL	Serhat BAŞAK					
ONAY	Sadık SAZAN					
AUTOMATIC BOBİN WINDER			SBS 2 / 600 PLASTIC SPOOLS		REFERANS	
					RESİM NO:	2013.020.99.02.000
					KAĞIT EBADI	A4
					ÖLÇEK	1 : 2



MAIN CHARACTERISTICS

- Construction: spooler to be placed behind the wire pay-off, with horizontal arrangement of the spool shaft
- Spool loading and unloading operated manually
- Spool clamping: by cones, manually actuated
- Spool take-up: by clamping cones
- Speed control: by dancer, spooler follows synchronously the speed of the wire pay-off
- Control desk: mounted at the spooler
- Travers type: AC servomotor
- Measuring instrument: speed indication in m/s
- Drive: by motor, driving the spool shaft
- Brake: by motor
- Wire traverse mechanism:
 - a) Constant traverse speed: In this mode, the traverse pitch changes with the filling degree of the spool, which means, the traverse pitch increases while the spool getting fuller.
 - b) Constant traverse pitch
The traverse speed will be adapted to the spool speed in this mode. The traverse pitch is kept constant during the complete winding process
 - c) Automatic adjustment of traverse width

TECHNICAL SPECIFICATIONS	SS 250-4
Line Speed	1500 m/min
Number of Wire-Diameter	1x0,07-6x0,10 mm* 0,004 - 0,047mm ²
Number of Reels	4
Motor Power	3 kW AC
Supply Voltage	380 V/50 Hz
Compressed Air	4 - 10 bar
REEL DIMENSIONS	DIN 250
Flange Diameter	160-250 mm
Barrel Diameter	100 mm (min.)
Bore Diameter	72 mm (min.)
Traverse Width	190 mm (max.)
Total Width	200 mm (max.)

*Max. possible input 8 wires each spool head





MAIN CHARACTERISTICS

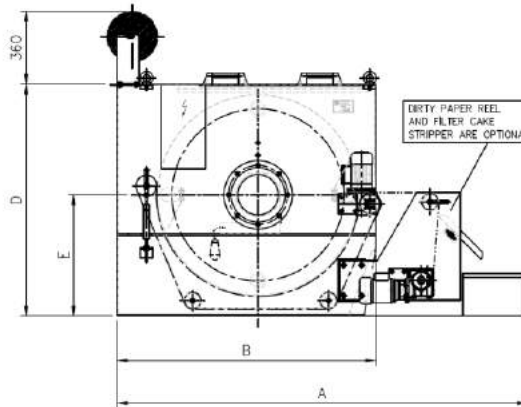
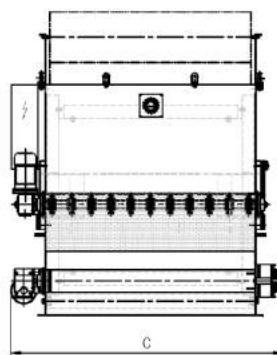
Filtering is performed in a semi cylindrical container, under approx. 300-400mm hydrostatic pressure.

Filter paper placed between the cylindrical wheels and carrying AISI 316 conveyor belt situated at both sides of the filter assures filtering of liquid under hydrostatic pressure.

After having the formation of cake on top of the filter paper, the filter paper becomes watertight. Consequently; the liquid level rises to a known elevation and the moving of the conveyor assures the clean paper to appear on the filtering area. The contaminated paper area secures flow on to the collecting container.

Following appearance of the clean paper, the conveyor stops automatically.

FILTER TYPE	A mm.	B mm.	C mm.	D mm.	E mm	PAPER WIDTH mm.	FILTER CAPACITY lt./min.
SBF 400/500	1120	645	835	540	265	500	175
SBF 400/710	1120	645	1045	540	265	710	250
SBF 630/500	1420	900	835	750	410	500	300
SBF 630/710	1420	900	1045	750	410	710	400
SBF 800/710	1590	1030	1045	920	480	710	500
SBF 800/1040	1590	1030	1375	920	480	1040	750
SBF 1000/1040	1990	1285	1375	1150	600	1040	1000
SBF 1000/1500	1990	1285	1835	1150	600	1500	1500



APPLICATION AND SPECIFICATIONS

Filters are used in metal industry to filter semi synthetic or fully synthetic oil based mineral emulsions prepared with water; especially used with wire drawing machine emulsion at copper wire processing industry. Additionally; filters are used with CNC lathes, CNC milling machines, grinding machines, wire erosion benches.

For protection against corrosive effect of soluble oil and cutting liquids to which the conveyor is directly exposed; the conveyor belt, driving mechanism and driving shafts are fabricated from AISI 316 stainless steel material.

SBF Type Drum Band Filter works automatically. Therefore; operational and maintenance expenses are very low.

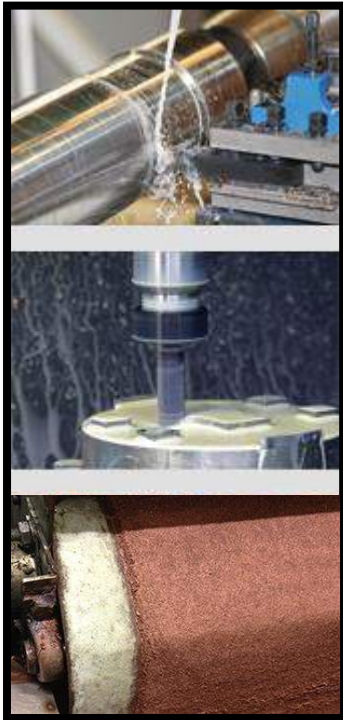
**BODY
MATERIAL**

**AISI 316 (unpainted)
STEEL (your choice of color)**





SARMAKINA FILTER MEDIA



Our professional competence and customer-orientated consultancy in the field of air and liquid filtration enables us to achieve the best possible filtration results and process optimization in the interests of our customers.

Our filter materials are manufactured using state-of-the-art production systems and are chemically, mechanically or thermally consolidated, dependent on their application in the market.

Our products ensure:

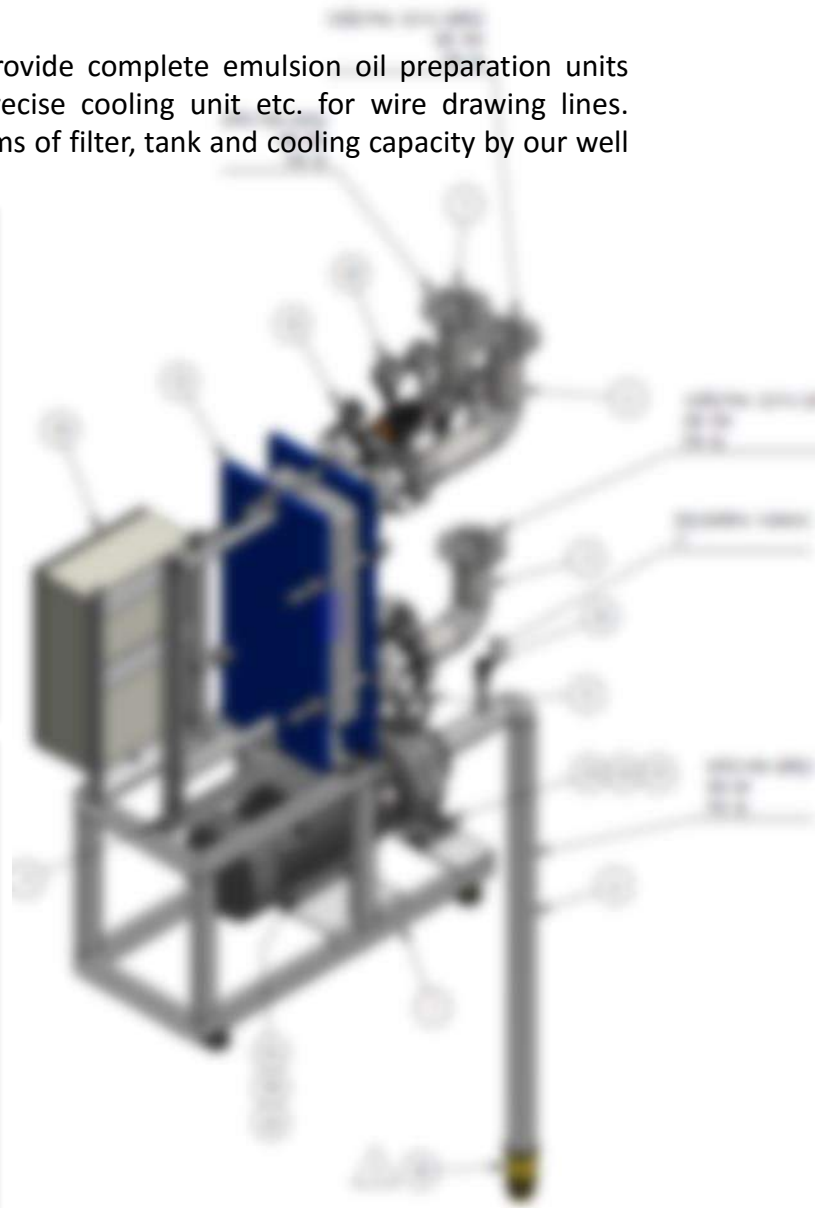
- Clean process liquids
- Process safety
- Optimum storage capacities
- A long service life for the machines
- Low disposal costs

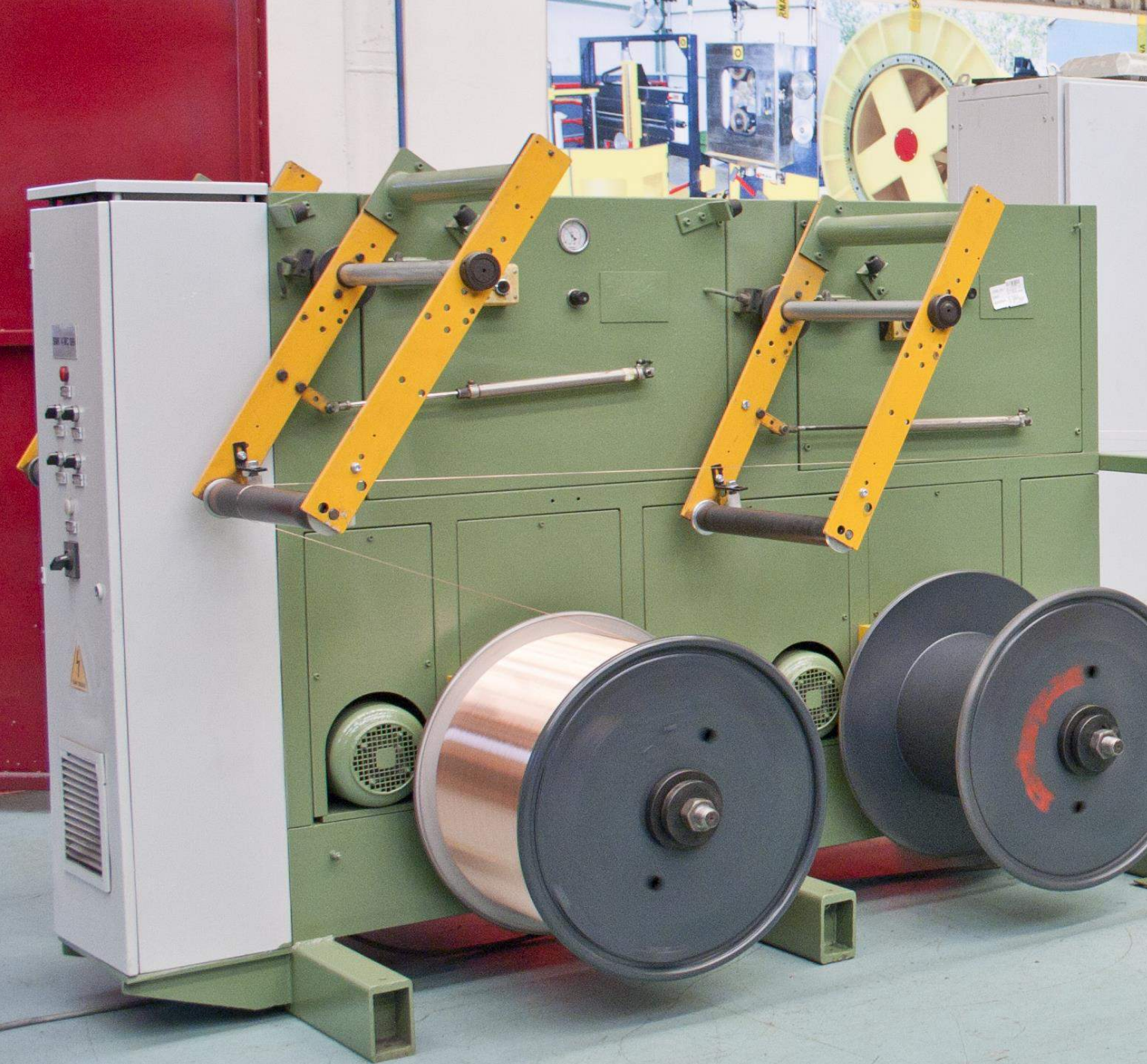
Our filter media are suitable for all kinds of filter systems, no matter if they are pressure belt or gravity filter systems, inclined bed filters, drum filters, or vacuum filters. Depending on the grade of filtration you require - fine, medium or coarse - we select, with your aid, the appropriate quality from our range of filters. Depending on the intended use, these fabrics can filter and purify various media such as water, oil, emulsions,



SARMAKİNA COOLING SYSTEMS

Based on the Customer requirements, we can provide complete emulsion oil preparation units combined with filter, tank, pumping unit and precise cooling unit etc. for wire drawing lines. Requirements of your drawing line are sized in terms of filter, tank and cooling capacity by our well experienced engineering team.







Striving for Excellence

We measure ourselves against our strongest competitors. Our work is fast, agile, and accurate. Efficient processes, lean structures, and high productivity secure and increase the value of the company.

EXHIBITIONS





®

WITR

Düsseldorf



Global presence

We are an international company. While constantly extending our global presence, we strengthen local responsibility.



CONTINENTAL
EXPORTS



SARMAKINA

Factory: Osmangazi Mahallesi, Sanayi Caddesi, Kanuni Sokak No : 12 Darıca / KOCAELİ 41700

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