

Complete Range of Power & Communication
Cable Production Equipments



KABMAK

MÜHENDİSLİK VE MAKİNE SAN. TİC. LTD. ŞTİ.

We are ready to be solution partnership with your company

As a very young company (established in 2005), KABMAK has accomplished many projects for the great sector companies of cable, wire and pipe production in Turkey.

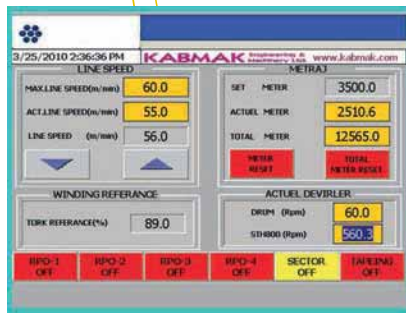
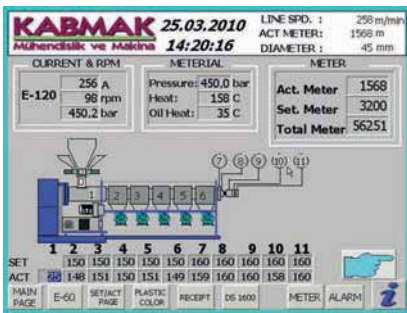
Being an engineering company and taking advantage of 20 years experience in both national and international markets, KABMAK is now on its way full steam ahead to become one of the world's leading suppliers of machinery for the cable, wire and pipe production industries

Now, we have totally 90 employees, including 13 engineers and totally 3000 m² closed workshop.

After big improvement in a short time, KABMAK became one of the most important machinery producers in the world by the means of the wide production range.

KABMAK engineers continuously develop our products and try to find the best solution way according to the customer needs

Our Professional team priority is customer satisfaction and prompt action for their requirements.



■ Strong Engineering

■ Strong and High Capacity Machinery





E-120/25D + E-60/25D
Natural+Skin Extrusion

Flexible line composition,
According to customer preferences



■ Extruder E-120/25D for PVC, XLPE, PE, HFFR

Insulating and Sheathing Lines

High speed and high output
Perfect production quality
Wide production range from 20 mm screw diameter
up to 160 mm
Alternative solutions for different requirements

Special multipurpose screw and barrel design
Turn-Key solutions
User friendly and simple control systems
Minimum start-up time and minimum scrap



■ Cross Head CH-45/2 with vacuum adapter for natural+skin application

We match economic solutions with high quality production for you.



Alternative economic solutions for new beginners

Practical Solution for yellow green application.

Stripping Extruder E-30/20D and control panel on the same mobile frame.

Easily it can be moved and connected one line to the another line.





Single machinery or turn-key cable factory with rich alternative solutions according to the customer requirements and economical situation.

Strong, robust and simple construction ensures easy and maintenance free working conditions.



Vertical Accumulator and
Dancer AVP - 400/100



Simple winding or unwinding solutions with dancer control or torque control
Simple solutions for non-stop production. Manually change over from reel to reel with decreasing the speed of accumulator.
Strong and compact design which contains control panel, give a chance to move the pay-off or take-up from one line to the another line and easily adaptation.



Pneumatically tension controlled dancer unit prevents the elongation on the small cable at the high speed and supply perfect synchronization



■ Dual Flyer Pay-Off with electromagnetic hysteresis brake



■ Double Spooler DS-1600 with Conveyor System

High speed pay-off and take-up

Non-stop production
 High production speed up to 1000 m/min
 Perfect line synchronization

Reel range from 630 up to 1600 mm
 Full automatic solution with conveyor system or ancastre type economical solution with manual loading unit.

■ Single spooler Take-Up ST-630-HS with dancer unit for rod drawing machine up to 35 m/sec.



■ Simple Double Spooler DS-630





Self Traversing Type Take-Up
Reel size 4500 mm & 40 tons



■ Take-Up STT-2240 and STT-4500



■ Take-Up STT-5000 with Reel Carriage 50 tons

Self Traversing Take-Up and Pay-Off

Floor Traversing Type or Portal (Gantry) Type

Wide production range

from 1600 mm up to 5000 mm reel

Reel Weight up to 50 tons

Linear speed from 0.5 m/min up to 400 m/min

For Extrusion Line, Lead Extrusion Line, Strander Line,

Armouring Line, Rewinding Line

Dancer control, torque control or speed control

Long distance reel carrier for Degassing Rooms

Special solutions for heavy reels. Carry-out from the Pay-Off and Take-Up

■ Portal Pay-Off PP-4000-D and Take-Up PT-4000 up to 30 tons and 4 m reel



■ Take-Up STT-1600 with Dancer AVP-400/6 up to 400 m/min







■ Caterpillar C-1500



■ Caterpillar C-2000



■ Caterpillar C-3000

Haul-Off Caterpillars and Capstans

Pulling force from 200 kg up to 5000 kg.
 Cable diameter up to 180 mm.
 Linear speed up to 300 m/min
 Constant pulling force and perfect speed control
 Very sensitive line synchronization

Multilayer and reinforced belt, especially for big cables
 Max. Pulling force at very low speed with AC servomotor and servodrive.
 Double Wheel Capstan pulling force up to 15.000 kg
 Capstan diameter up to 2500 mm.



■ Vertical Caterpillar



■ Belt Wrap Capstan BWC-2000 for CV line



■ Double Wheel Capstan DW-2000





Rigid Stranders

Stranding for Soft Cu, Hard Cu, AAC, ACSR and AAAC as a round, straight sector, pre-spiralled sector or Milliken segment shape

Rigid Strander cages RS-6/630, RS-12/630, RS-18/630, RS-24/630 and RS-30/630

Max. Stranding section up to 1200 mm² and compacting section up to 630 mm²

By the way of electronic shaft system, perfect synchronization lay-length stabilization in every conditions.

Pintles actuated by pneumatically

Electronic wire break detector

Wire brakes are pneumatically controlled from the beginning to the end of wires via electronic pressure sensor and ultrasonic diameter sensor



Rotating Compacting Head



Preformer Unit



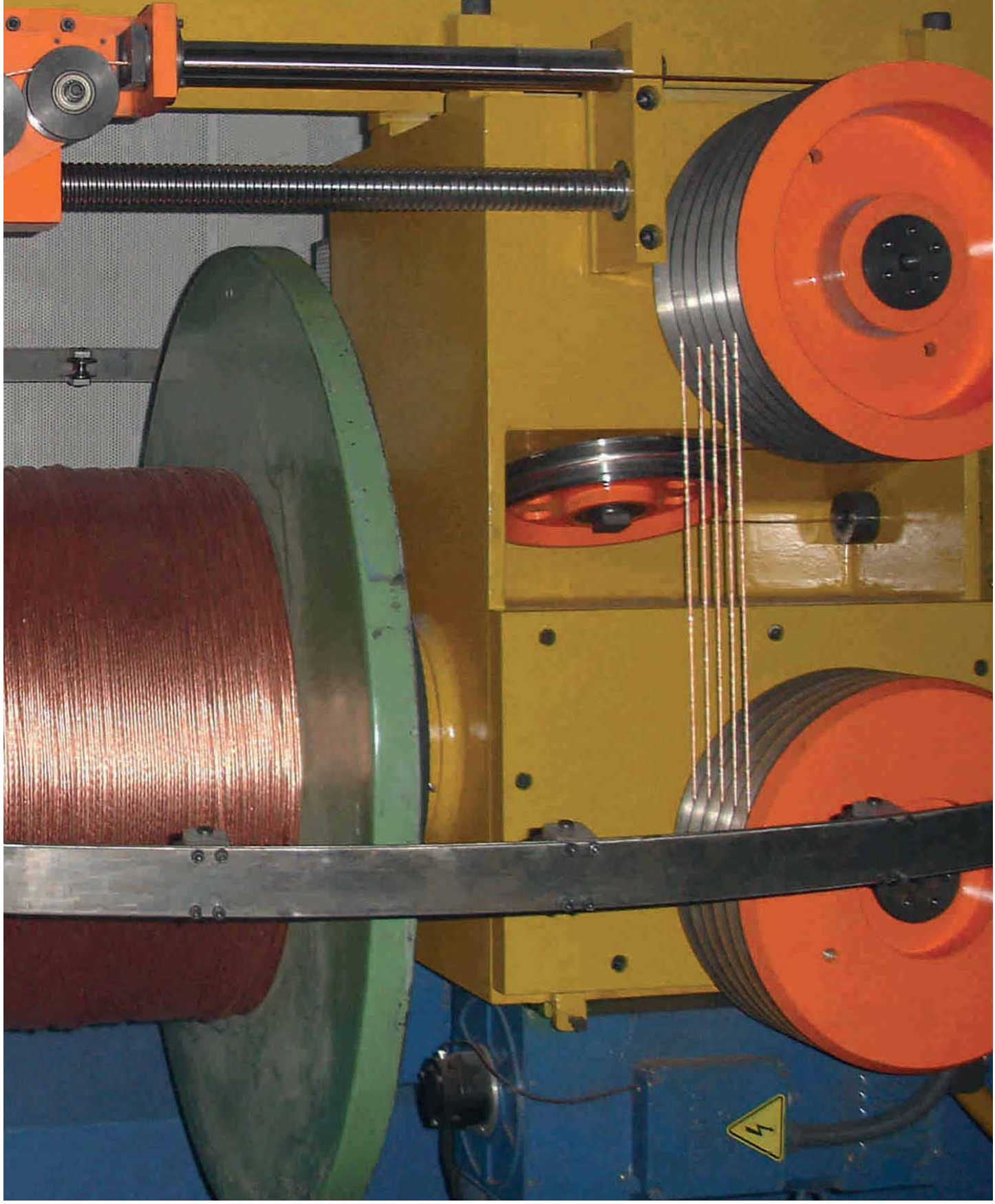
Alternative economic solution RS-6/400, RS-12/400, RS-18/400 and RS-24/400. Stranding Section up to 240 mm² as compacted.



Rigid Strander Line 1+6+12+18+24/400

DTB-1250

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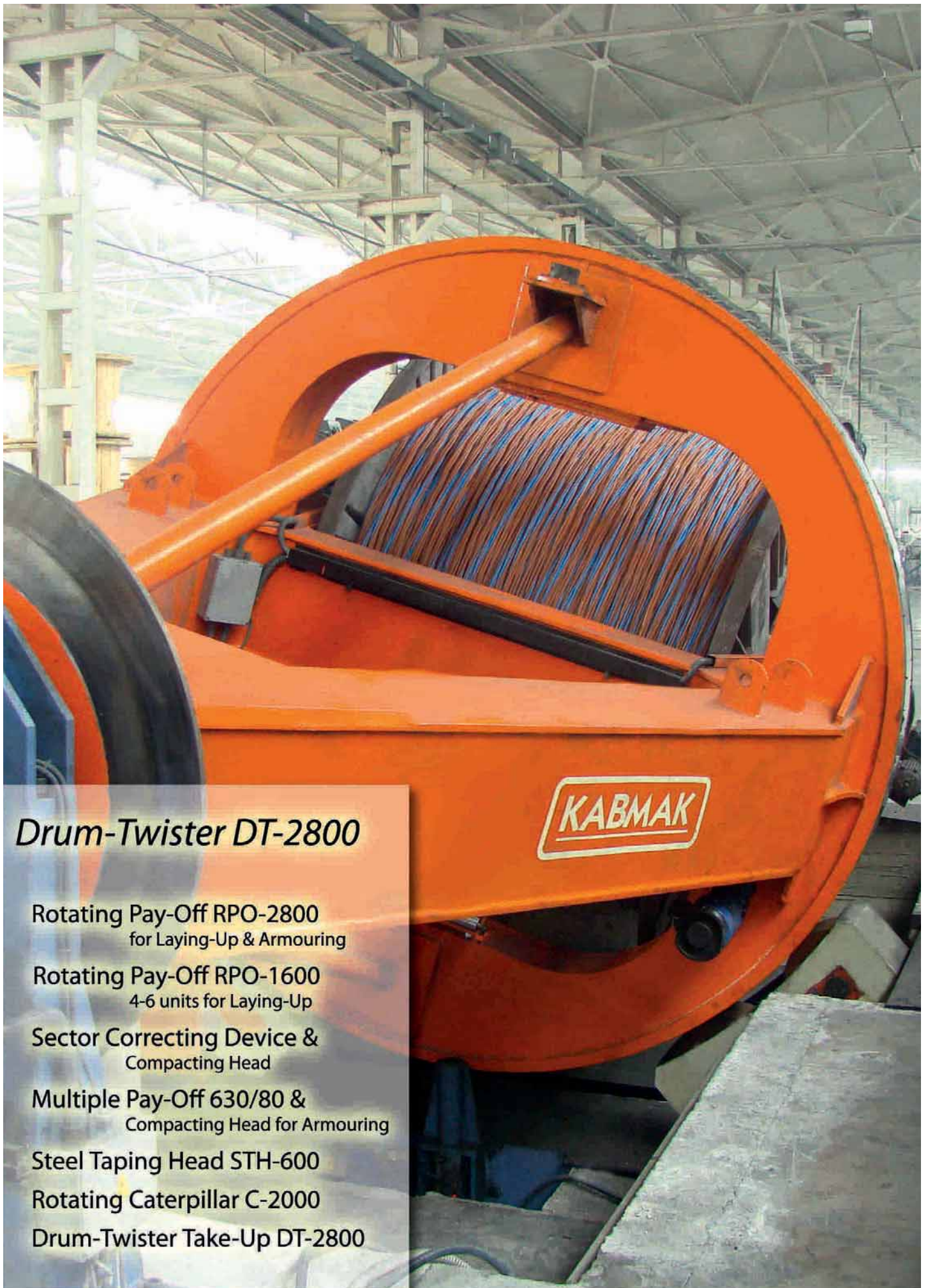


Double Twist Bunchers

Production Range: DTB-315, DTB-400, DTB-630, DTB-800, DTB-1000, DTB-1250 and DTB-1600
 Flexible copper conductor stranding, Solid copper stranding, Aluminium conductor stranding, Insulated cable assembling
 Compacting with die or rollers.
 Stranding lay-length, Winding tension, traverse pitch,

traverse limit can be adjusted during machine is working
 Pneumatically controlled individual wire brake system ensures the equal tension and good stranding quality
 Double wall, sound proof protection guard and pneumatically controlled door helps the noiseless during working





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Drum-Twister DT-2800

- Rotating Pay-Off RPO-2800**
for Laying-Up & Armouring
- Rotating Pay-Off RPO-1600**
4-6 units for Laying-Up
- Sector Correcting Device &
Compacting Head**
- Multiple Pay-Off 630/80 &
Compacting Head for Armouring**
- Steel Taping Head STH-600**
- Rotating Caterpillar C-2000**
- Drum-Twister Take-Up DT-2800**



Drum Twisters

Production Range: DTB-315, DTB-400, DTB-630, DTB-800, DTB-1000, DTB-1250 and DTB-1600
Flexible copper conductor stranding, Solid copper

stranding, Aluminium conductor stranding, Insulated cable assembling
Compacting of round or sector shape
Stranding lay-length, Winding tension, traverse pitch,



Planetary Stranding Machines

Planetary Strander 1+3, 1+4 or 1+6 composition and reel diameter 630, 1000, 1250 or 1600 mm
Cable section up to 4x400 mm²



Skip Stranders-Bow Type Stranders

1+6/630 Skip Strander for Aluminium conductor.
Speed is 1000 rpm.





■ Armouring machine ARM-48/400 with automatic side loading unit

Armouring and Screening Machines

Galvanized steel wire armouring for power cable
 Copper wire screening for HV or extraHV cables
 Steel tape, Copper tape, Polyester tape, Textile tape,
 Water blocking tape, Semiconductor tape for extraHV cables
 Steel tape pad diameter up to 1000 mm, tape thickness up to 0.8 mm, tape width up to 80 mm. and cable diameter up to 180 mm.

By the way of AC servodrive very good line synchronization especially between the two or three taping machines.
 Shielding with polyester or Al-polyester tape for data and control cable
 Mica tape for fire alarm cable
 Concentric type, tangential type and tangential type with 4 pads



■ Longitudinal Taping Head LTH-500



■ Concentric Taping Head CTH-450



■ Double Head Coiler DHC-300 for single core cable

Cable Coilers and Rewinding Lines

Single core or multi core cable coiling up to 20 mm cable diameter

Changable coiling heads

Possibility of basket pay-off or driven pay-off or flyer pay-off

Alternatively winding to the wooden, carton or plastic delivery reel

Simple design, very easy, practical and maintenance free working conditions.



■ Double Head Coiler DHC-600 for multicore cable



■ Double Head Coiler DHC-400 for multi core cable

■ Rewinding line from basket Pay-Off to the Take-Up FT-1250. From 400 mm reel up to 1250 mm reel dia.



Special solutions for special needs

Long distance reel carrier for Degassing rooms



Belt wrap capstan for rubber stripe feeding



Vertical Caterpillar and cable cutting unit for reel change-over



Binder for water blocking yarn



KABMAK 25.03.2010 LINE SPD.: 250 m/min
Mühürçilik ve Makina 14.20.16 ACT METER: 1568
 DIAMETER: 45 mm

CURRENT & FORCE		MATERIAL		METER	
E-120	256 A	Pressure:	450.0 bar	Act. Meter	1568
	50 rpm	Heat:	150 C	Set. Meter	3200
	450.2 bar	Oil Heat:	35 C	Total Meter	56251

NET	1	2	3	4	5	6	7	8	9	10	11
ACT	150	150	150	150	150	160	160	160	160	160	160
FACE	E-00	WELT	PLASTE	REDEPT	DE 3400	METER	ALARM				



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