



WIRE AND CABLE MACHINERY

cabeltec sa

cabeltec sa

WIRE AND CABLE MACHINERY

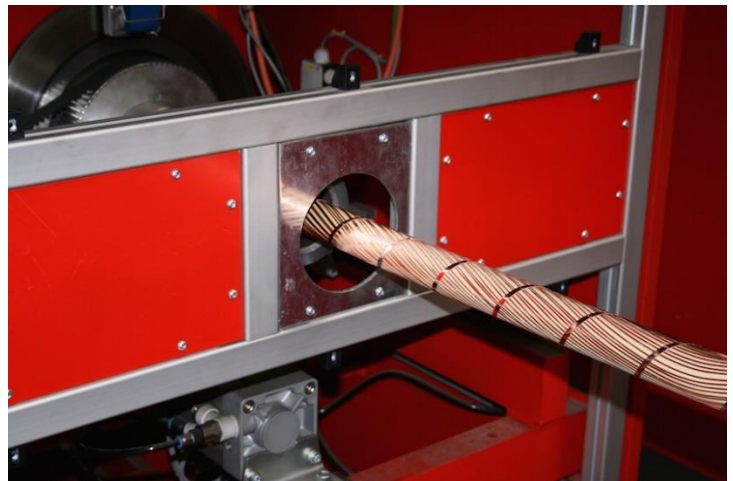
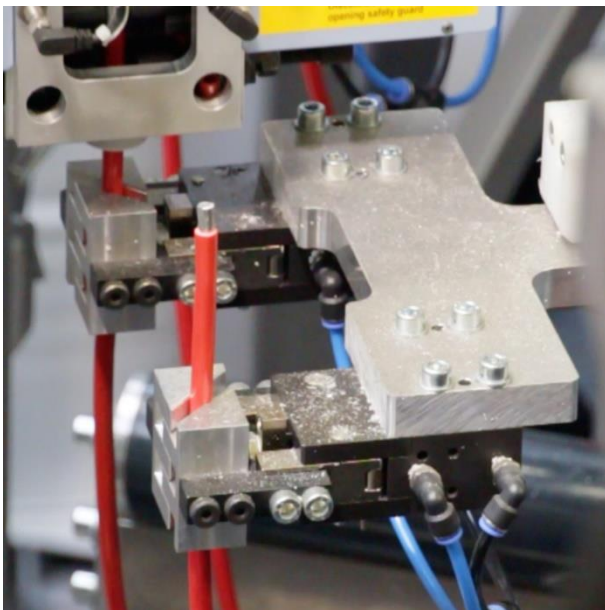
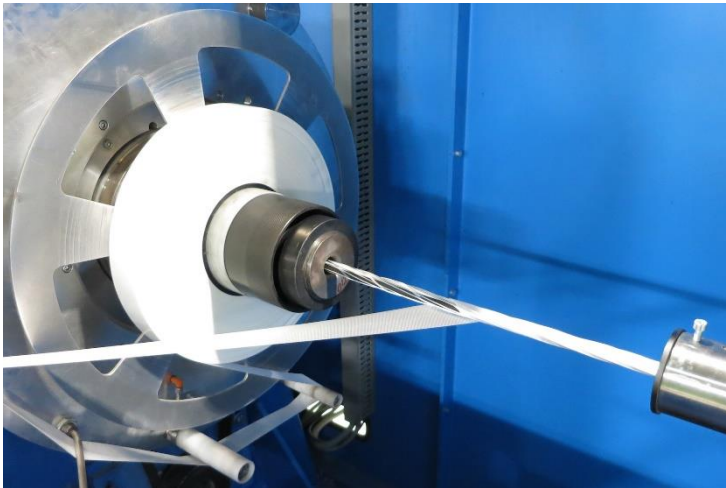
KHU

STRANDER SZ & CEANER

CABLE MANUFACTURE SYSTEMS



Our innovation is your benefit





SZ STRANDER

The purpose of these strander is to perform the assembly in-line with the insulation. This operation is carried out thanks to individual drive of the wiring disks by an easily exchangeable torsion bar.

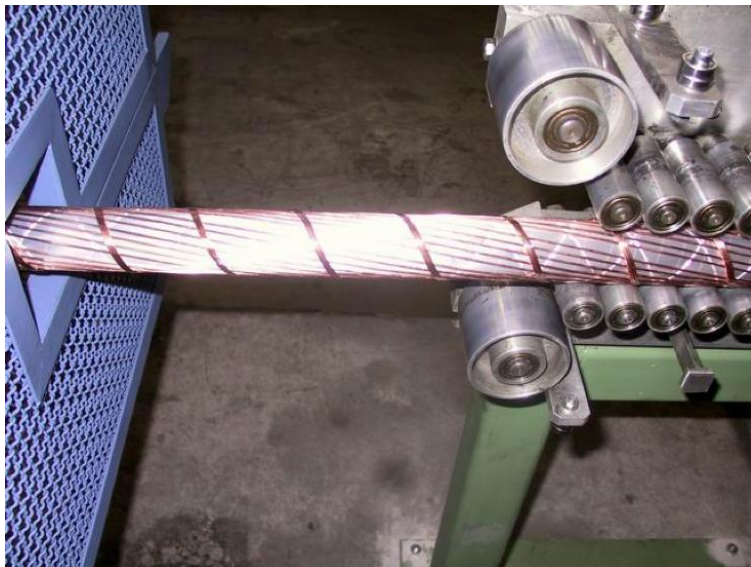
These SZ stranders are already in use for following applications:

- Shield SZ / Ceander with concentric double spinning in copper (type CUBW 500)
- SZ assembly of low-voltage conductors
- SZ assembly of optical fibers tubes



SZ SHIELDING / CEANDER

The operation is carried out on cables core with copper or aluminum wires, in-line with the CW sheathing lines.



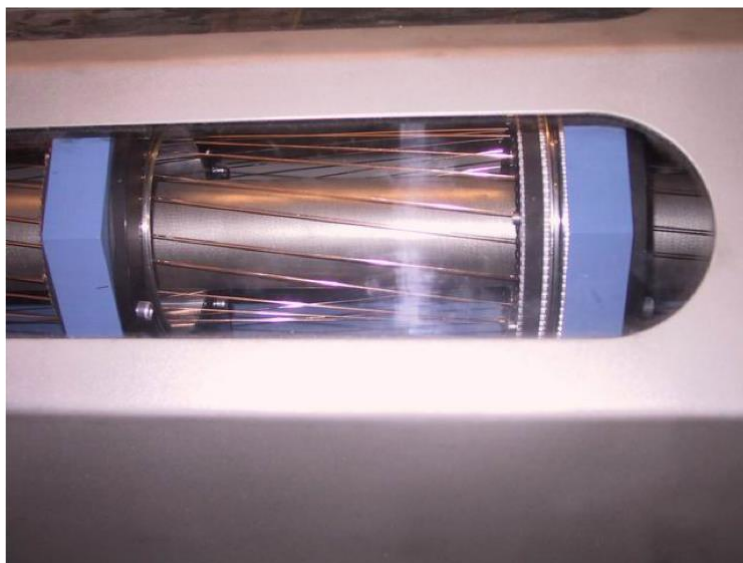
Vitesse : ± 500 pas/min

Diamètre : 100 fils diamètre 0.8-2.0mm

Speed: ± 500 steps / min

Diameter: 100 wires dia.

0.8-2.0mm

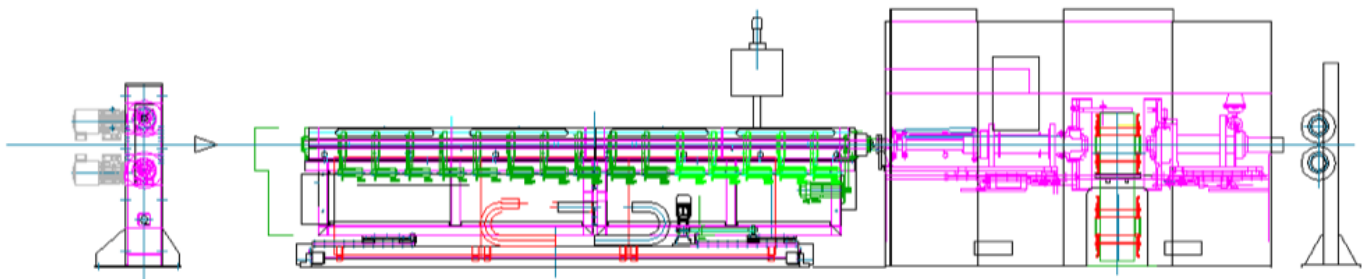


With concentric spinning counter-turn copper type CUBW 500



For coils dia. ext 560 mm / 450kg.

Speed: ± 1200 rpm



ASSEMBLY OF LOW VOLTAGE CONDUCTORS

The operation is carried out on the cables with copper or aluminum wires, in-line with the CW sheathing lines.



5x1,5 to 16mm²

Speed: ± 2500 rpm & overspeed 500 rpm



SZ ASSEMBLY OF OPTICAL FIBER TUBES

The operation is carried out in-line with the sheathing lines



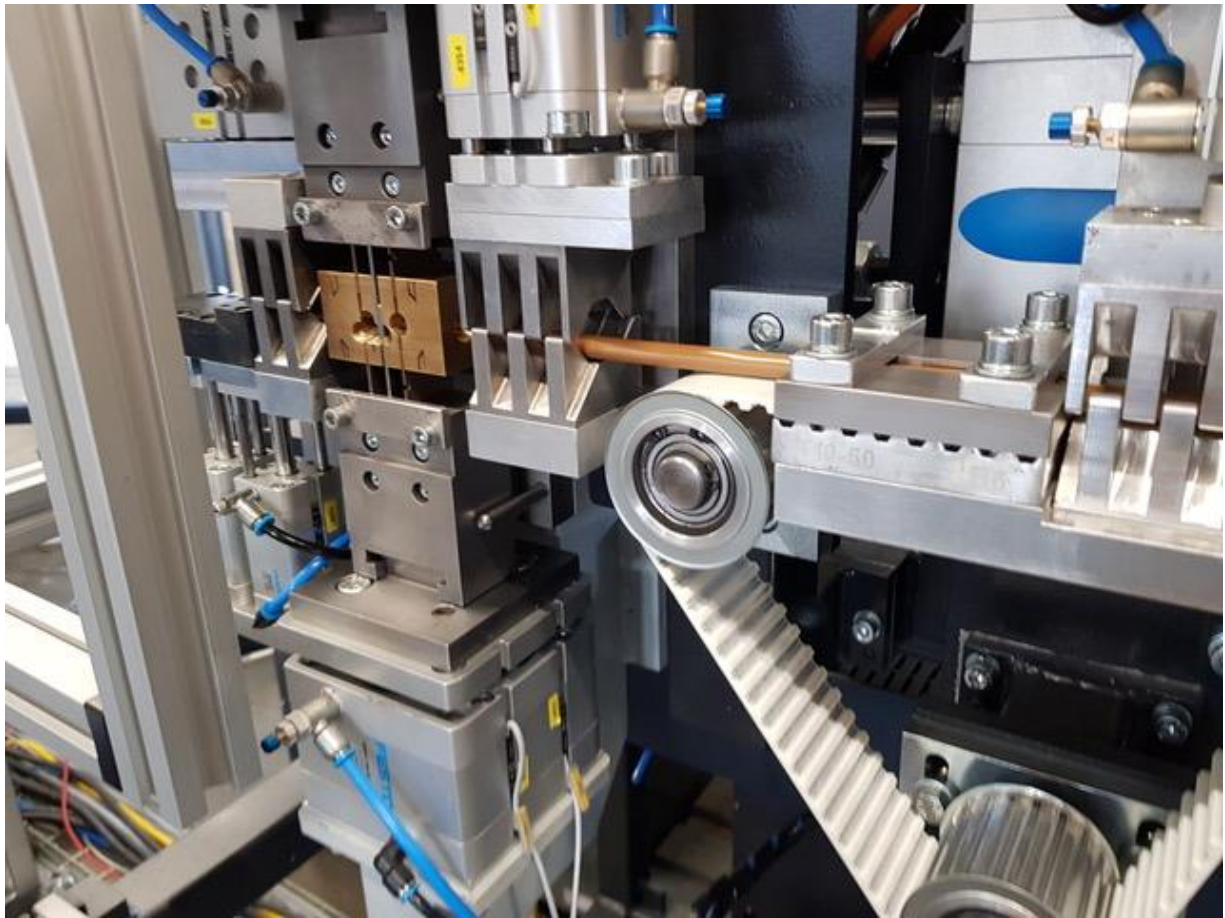
Speed : ± 2000 steps/min



CABLE MANUFACTURE SYSTEMS

The purpose of these cable manufacture systems is to perform the final cable with specific connectors from a cable bobbin. This operation is carried out thanks robots on a step-by-step process system.

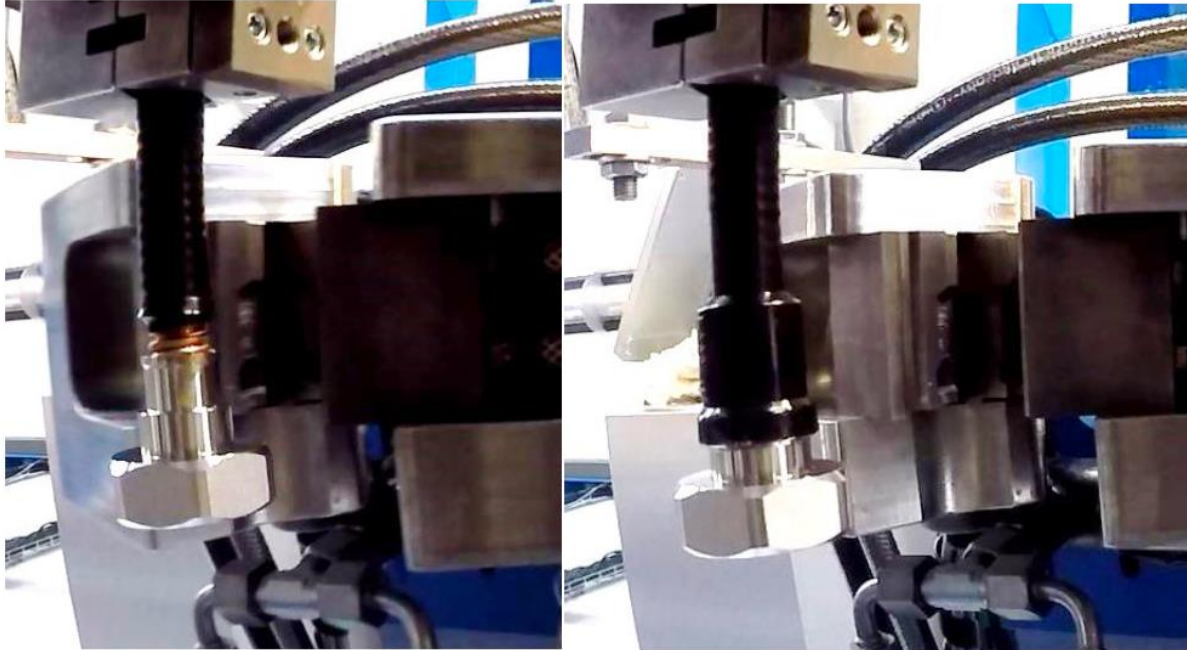




We provide machines and equipment for automated cable preparation and manufacture, ranging from stations for manual operation to fully automatic cable harnessing lines. Our systems are built in linear or round table transfer designs and perfectly tailored for processing your product. It is also possible to integrate more stations at a later point for processing a variety of products with one single automatic cable manufacturing line. As an experienced system integrator we can provide you the best-suited system to realize fully automated cable harness production.



Manufacture with duplex over molding of HF cables







WIRE AND CABLE MACHINERY

NOVA

BOUBLE TWIST BUNCHERS

SINGLE TWIST STRANDERS

RIGID STRANDERS

PLANETARY STRANDERS

TUBULAR STRANDERS

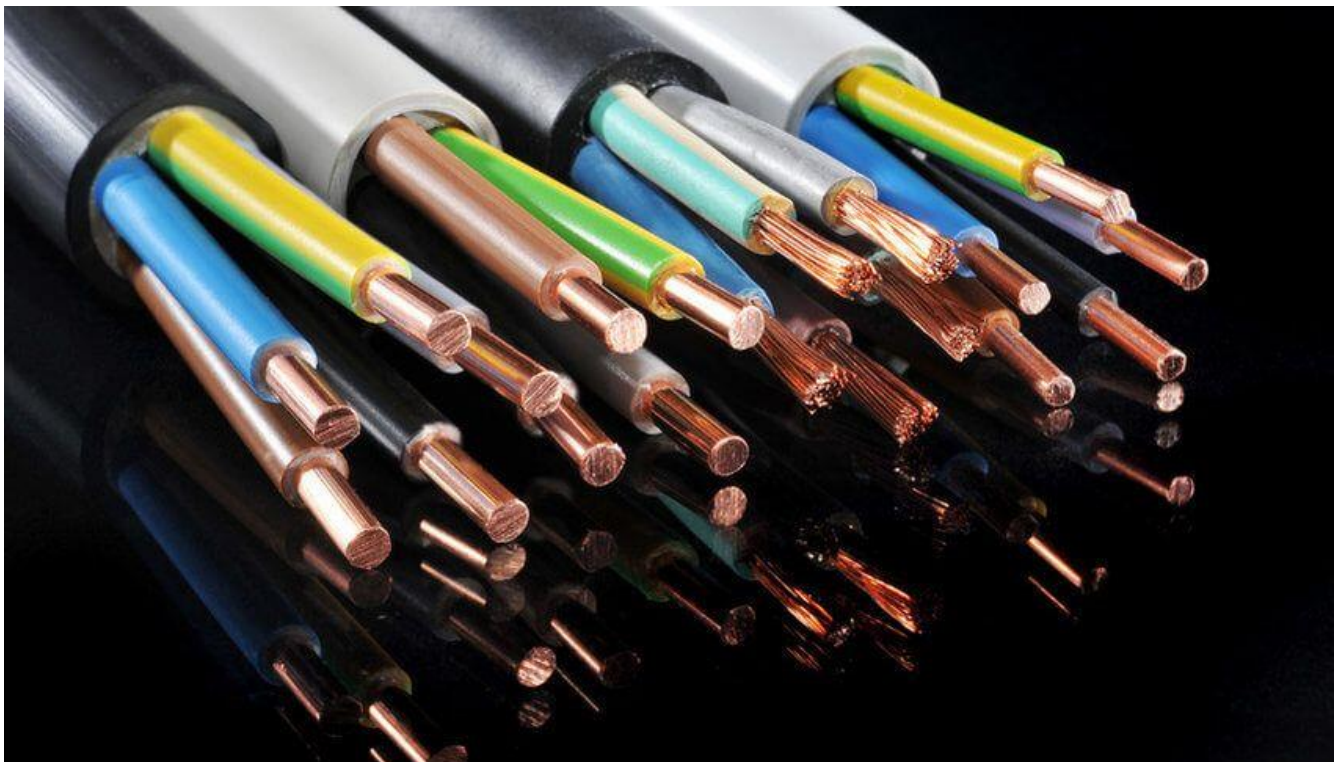
DRUM TWISTERS



MANUFACTURE OF FLEXIBLE CONDUCTORS.



POWER CABLE PRODUCTION



DOUBLE TWIST STRANDERS

Bobbins Ø 1000 to 2500 mm

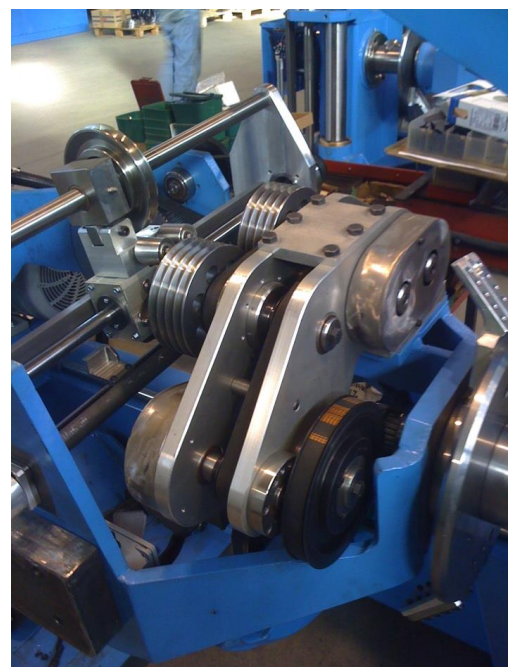
With individual motors for bobbin, capstan and traverse



BOUBLE-TWIST BUNCHERS

For bobbins \varnothing 400 to 800 mm with capstan or direct haul-off.

Conductors cross-section 0.35 to 16 mm²



SINGLE TWIST STRANDERS

Counter-lever bobbin holding \varnothing 400 to 1250 mm

Pintles bobbin holding \varnothing 100 to 2500 mm



RIGID STRANDERS

Cages: 6/12/18/24/32 for bobbins \varnothing 355 to 800 mm

Bobbin braking: mechanical or with individual motors

With or without automatically bobbin loading / unloading system



PLANETARY STRANDERS

Wire tension control either with mechanical, hysteresis or motor brakes.

Monitoring of each wire tension continuously during production



TUBULAR AND SKIP STRANDERS

With rotors for 5/6/12/18/24 bobbins \varnothing 355 to 1600 mm

For Copper, Aluminum, Alu. alloy and Steel wires.



DRUM TWISTERS

For reel \varnothing 1000 to 3500 mm

Direct haul-off or with rotating capstan or caterpillar

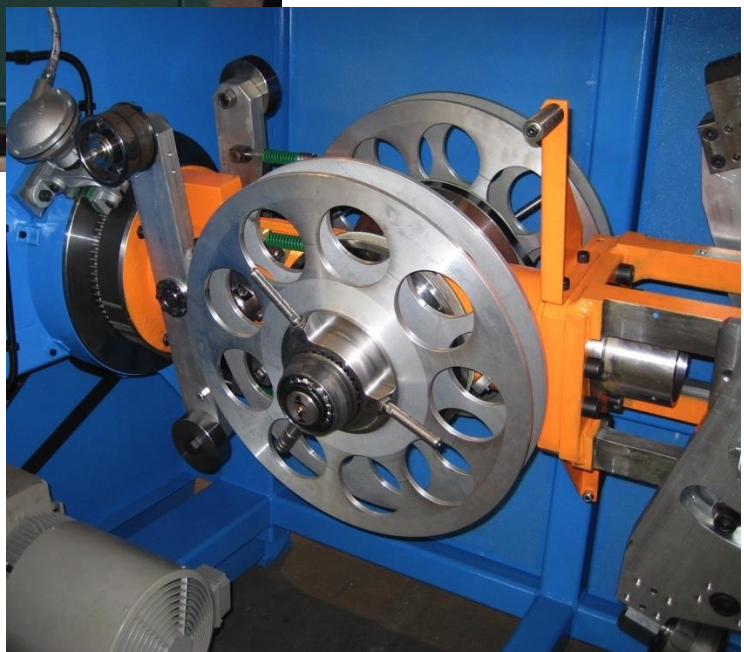


TANGENTIAL TAPING HEADS

For textile, plastic, steel, copper or aluminum tapes

2 to 4 pads Ø 500 to 800 mm

Tape width 10 to 80 mm



CONCENTRIC TAPING HEADS

For textile, plastic, steel, copper and aluminum tapes

Pads or coils Ø 500 to 800 mm

Cable core diameter Ø 40 mm



LONGITUDINAL TAPE APPLICATION LINES

For textiles, semi-con, copper and aluminum tapes

For pads or coils

Vertical rollers tape accumulators for tape-width up to 500 mm



LONGITUDINAL SINGLE TAPE PAY-OFF UNITS

For tape pads or coils

Tapes: textile, plastic, Alpeth, copper, aluminum



CATERPILLARS

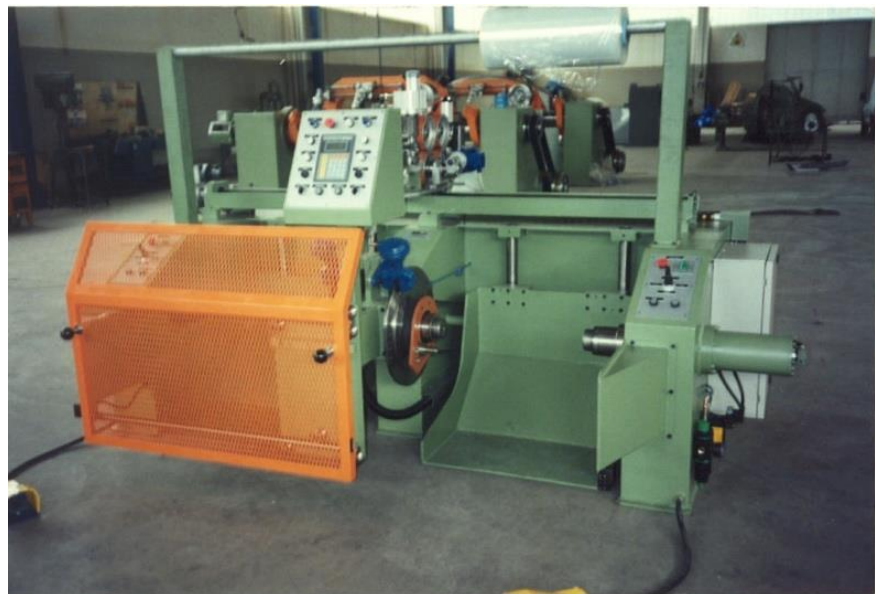
Pulling force 250 kg to 4000 kg



SPECIAL MACHINES

Motorized multi pay-off stands for bobbins \varnothing 355 to 800 mm

Dual semi-automatic take-up







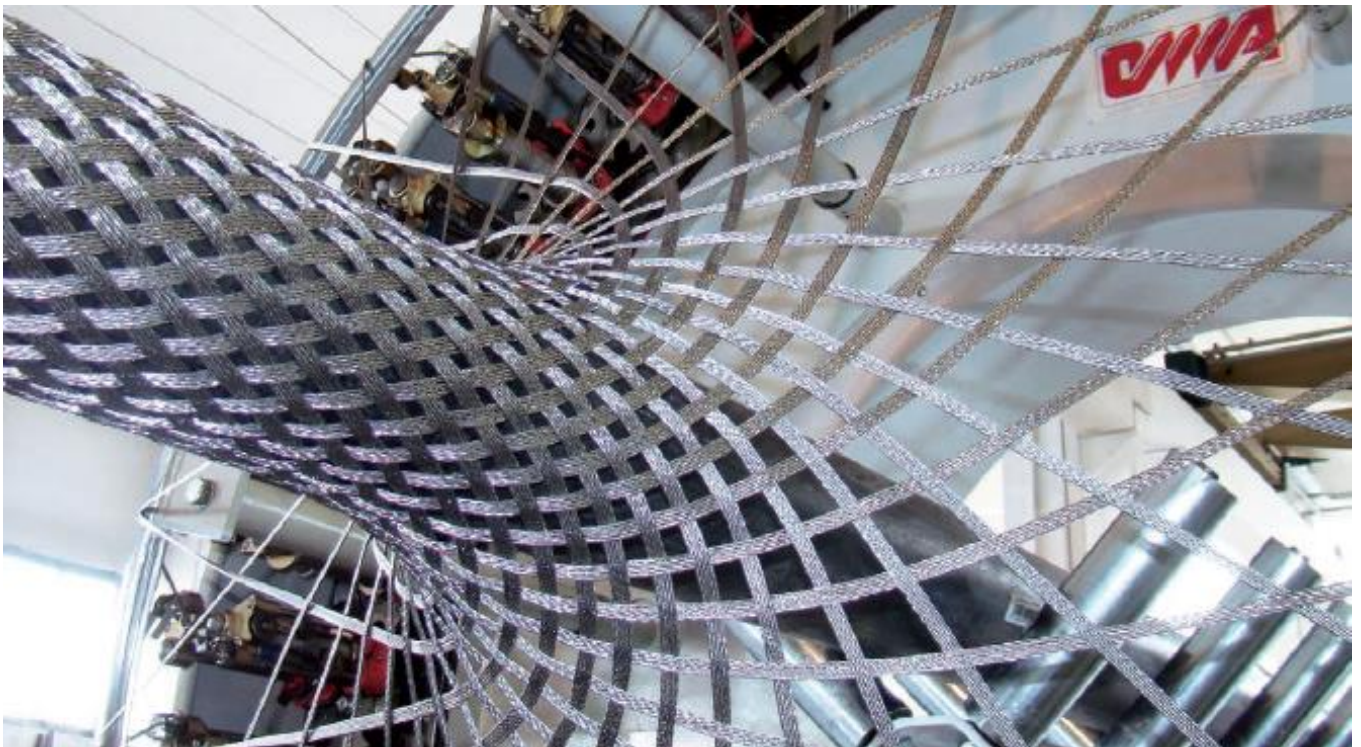
WIRE AND CABLE MACHINERY

OMA

**VERTICAL OR HORIZONTAL BRAID MACHINES
FOR SHIELDING ELECTRICAL CABLES**

ADVANTAGES OF OMA BRAIDING MACHINES

- Suitable for very fine yarns
- Wide range of machines from 12 to 96 spindles
- Off-line coils for quick donning
- (Threading time halved compared to rotating machines)
- Reliability
- Silent
- Rates
- Reduced maintenance
- Global references



DOUBLE BRAIDING MACHINES 16 BOBBIN OMA FOR TEXTILE AND SYNTHETIC YARNS



36-SPINDLE OMA BRAIDING MACHINE FOR COPPER AND METAL WIRES



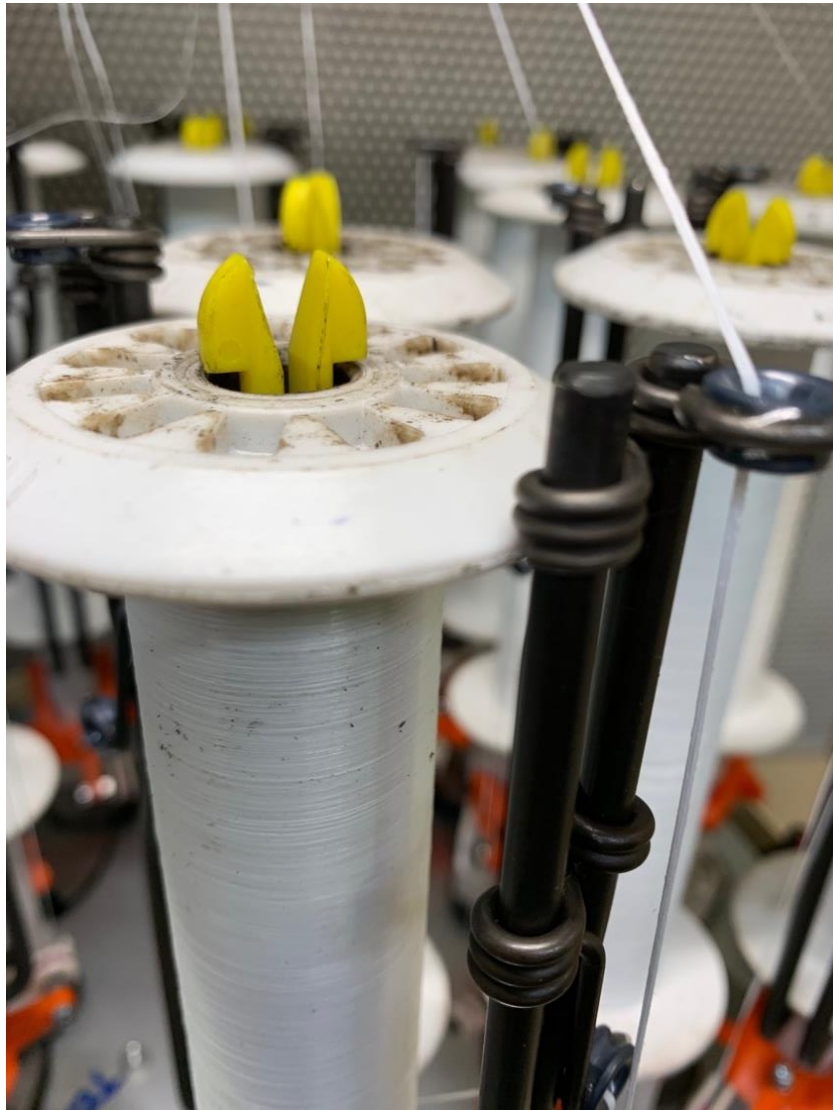
SPINDLES WITH COMPENSATING BRAKES FOR CONSTANT TENSION



HIGH PRECISION OF BRAIDING STEPS



NEW FAST REEL FASTENING SYSTEM FOR TEXTILE YARNS BY CLIPPING



HORIZONTAL BRAIDING MACHINES FROM 12 TO 144 SPINDLES WITH OR WITHOUT IN-LINE RIBBONS



TR 24/1-363 Braider Front View
(with carriers 240 BF)



HORIZONTAL AND VERTICAL GUIPUSES

Helical shielding up to 96 coils for copper or aluminium wires

Speed: 140 rpm (24 reels) – 130 rpm (32 reels) 110 rpm (96 reels)



BRAIDING SPOOL TAKE-UP FOR MAKING BRAIDING CANS

Semi-automatic



WINDERS FOR MAKING BRAIDING CANS

Automatic

Binding of yarns by adhesive labels





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WIRE AND CABLE MACHINERY

GMM

PAY-OFF

TAKE-UP

ACCUMULATORS

CATERPILLARS





GMM is one of the major leaders for manufacture of cable machinery with references all around the world.

The new plant is located in Kayseri, Turkey with 90 employees.



PAY-OFF AND TAKE-UP DESIGNS

Counter-lever types reels 400 to 1000 mm



Portal on rails reel up to 3000 mm



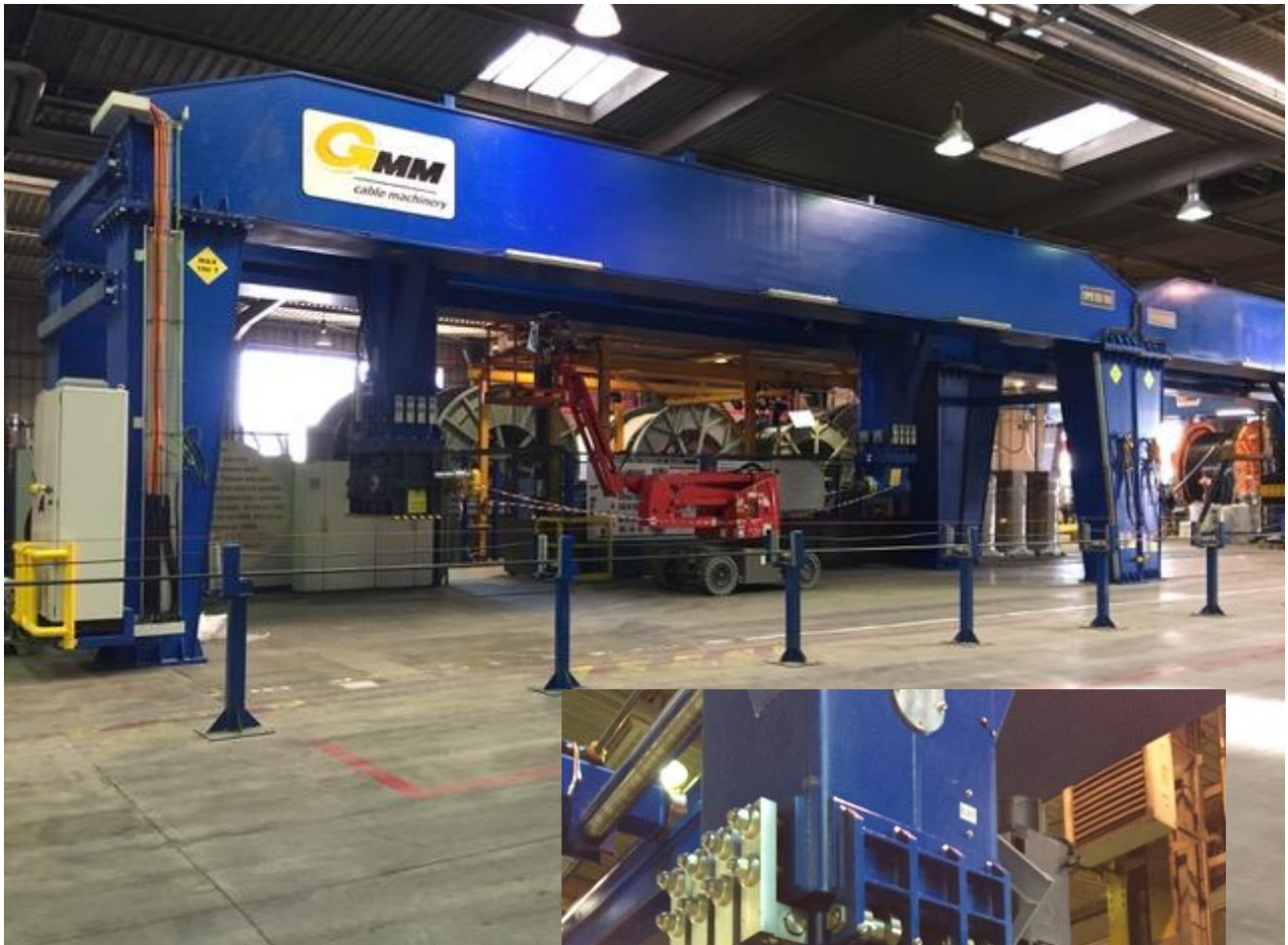
Portal Gantry type, movable. Reels up to 5000 mm, 60 Tons



Gantry type non movable. Reels up to 5000 mm, 60 Tons



Gantry type take-up for 120 Tons. Reels 5 m, 10 m wide



Gear-box for 120 Tons reels take-up



Colum Open-Top type on rails. Reels up to 5000 mm



REWINDING LINES

For cables up to 40 mm diameter



Rewinding line for cables up to 80 mm



Rewinding line for data and optical cables



Rewinding lines with counter-lever pay-off and take-up



ACCUMULATORS

Horizontal accumulators with sheaves diameter from 600 mm to 2000 mm



Integrated dancer with pneumatic cable tension control



CATERPILLARS

Small caterpillars



2.5 Tons pulling Caterpillar



5 Tons pulling Caterpillar



Stand-alone, Sub-Marine Cable type caterpillar with integrated drive and compressed-air generator.

For cables $\varnothing \leq 250$ mm, pulling force 5 tons

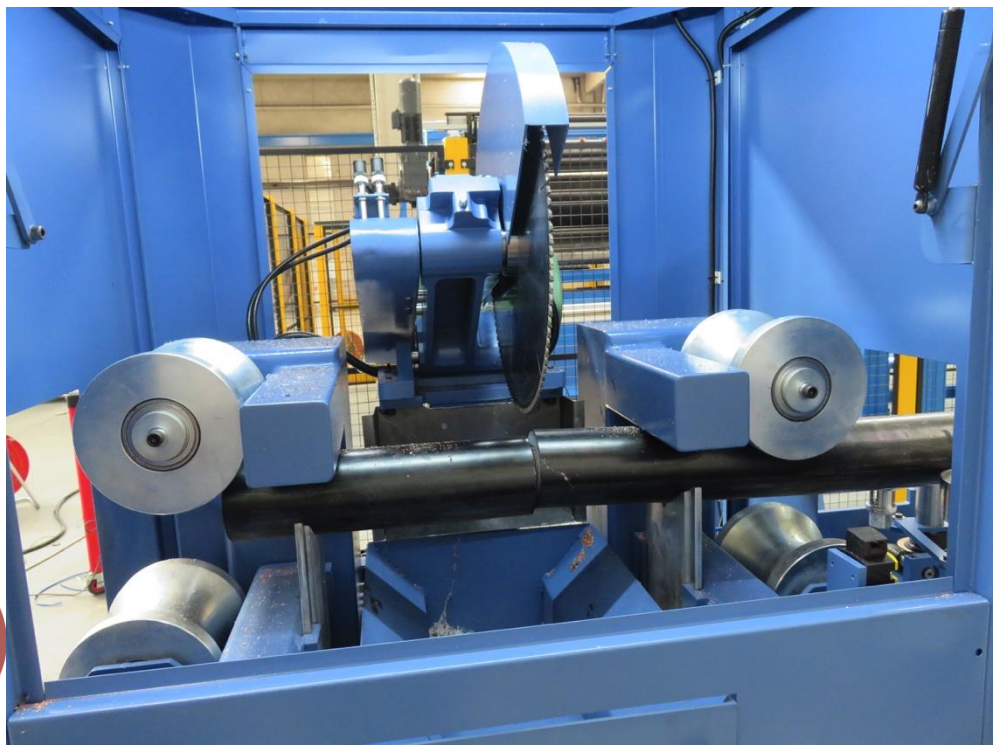


ACCESSORIES

Belt type counter-meter with cutting device



Advancing cable-cutting device for high voltage cables



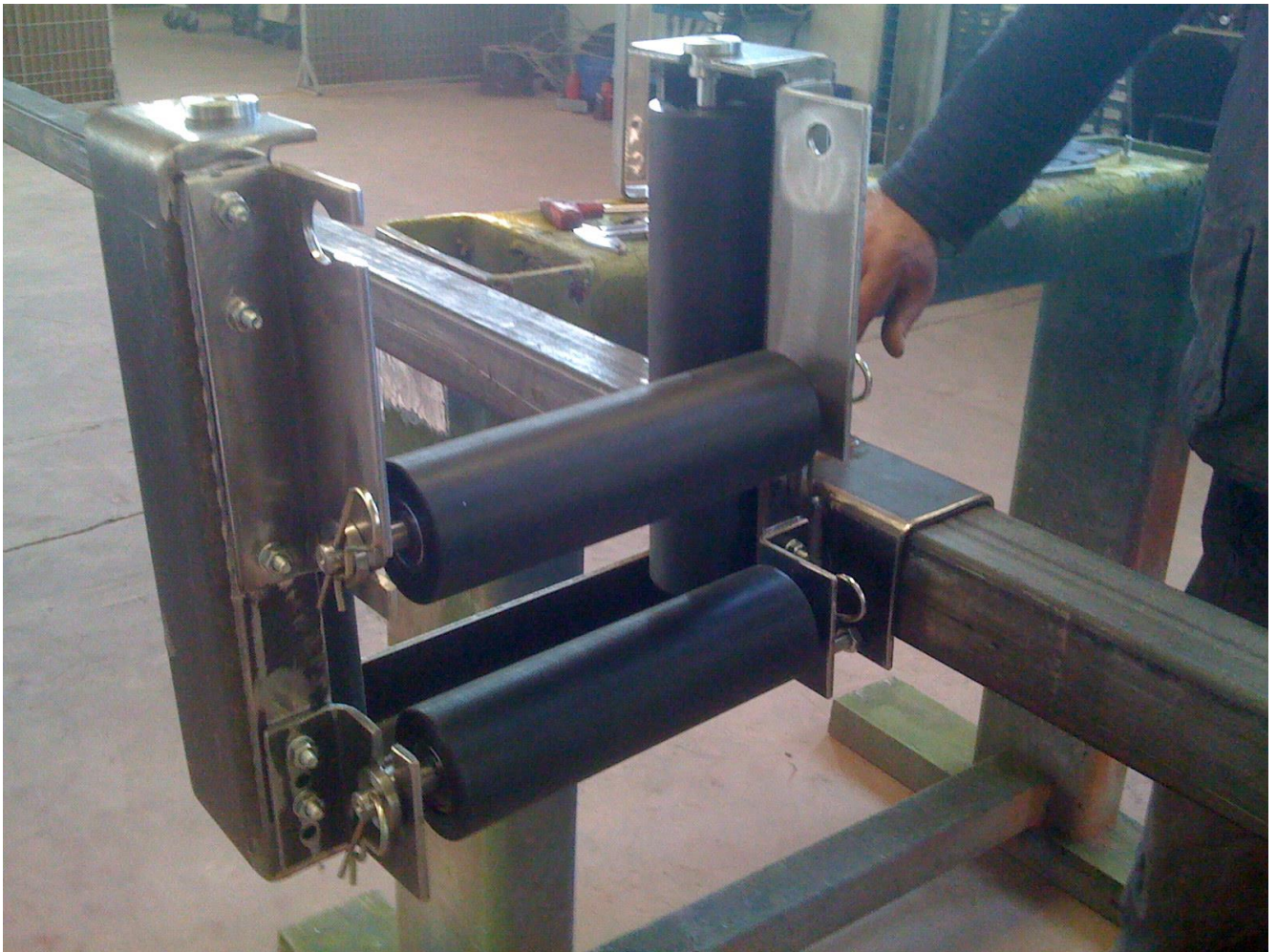
Deviation rollers for heavy cables



Supporting rollers



Dancers





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WIRE AND CABLE MACHINERY

KURRE/SIEBE

EXTRUSION LINES

AND COMPONENTS FOR SPECIAL AND
OPTICAL CABLES





KURRE SPECIAL MACHINES

Manufactures from design to realization, commissioning and on-site maintenance. Our main field of activity is cable machines, our production lines are used worldwide.

SIEBE ENGINEERING

is one of the leading engineering companies for plastics processing and mainly develops in-line extruders.



COMPLETE KURRE/SIEBE EXTRUSION LINES

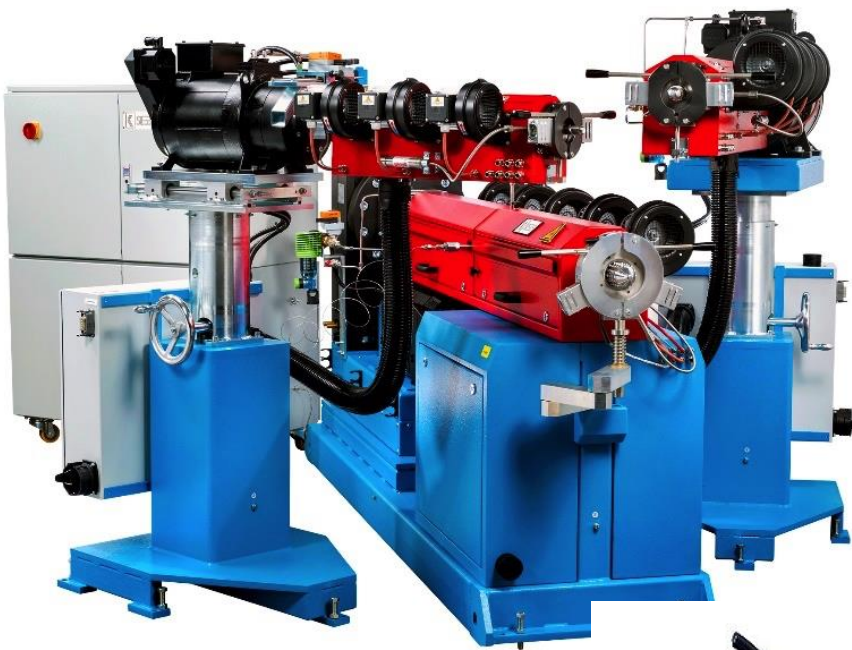


- The manufacturing program of KURRE/SIEBE is mainly dedicated to the following equipment:
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- EXTRUSION LINES FOR AUTOMOTIVE CABLES
- DATA CABLE LINES
- LINES FOR FLUORINE PRODUCTS
- COMPONENTS SUCH AS REELS, SINGLE OR DOUBLE REELS, ACCUMULATORS
- SPECIAL MACHINES ON REQUEST

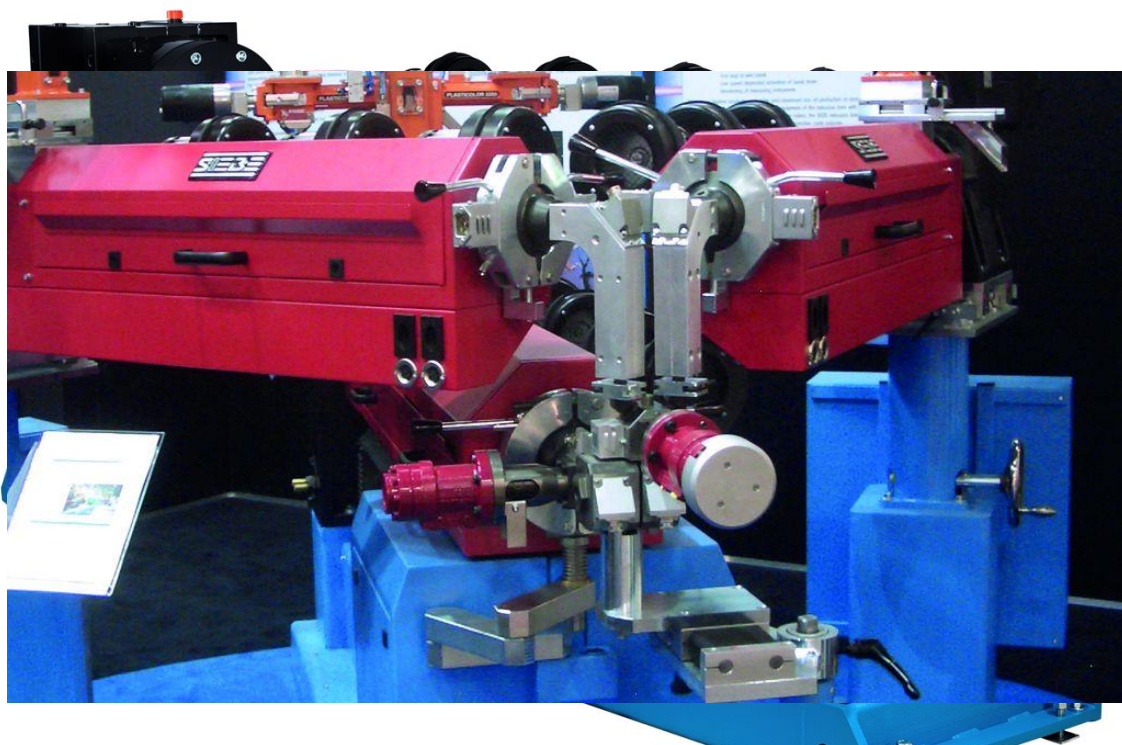


EXTRUDERS FOR DATA CABLES

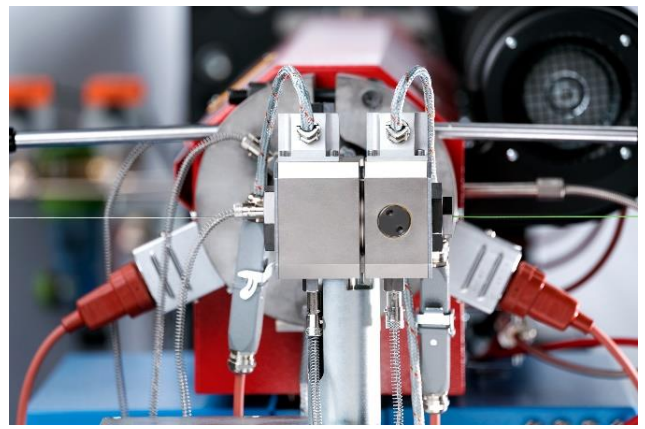
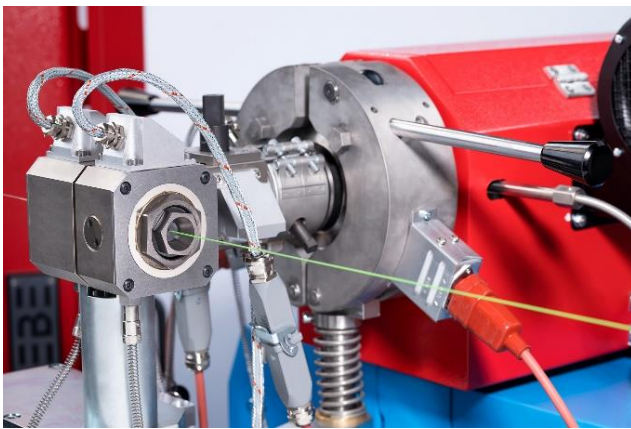
1, 2 OR 3 LAYERS



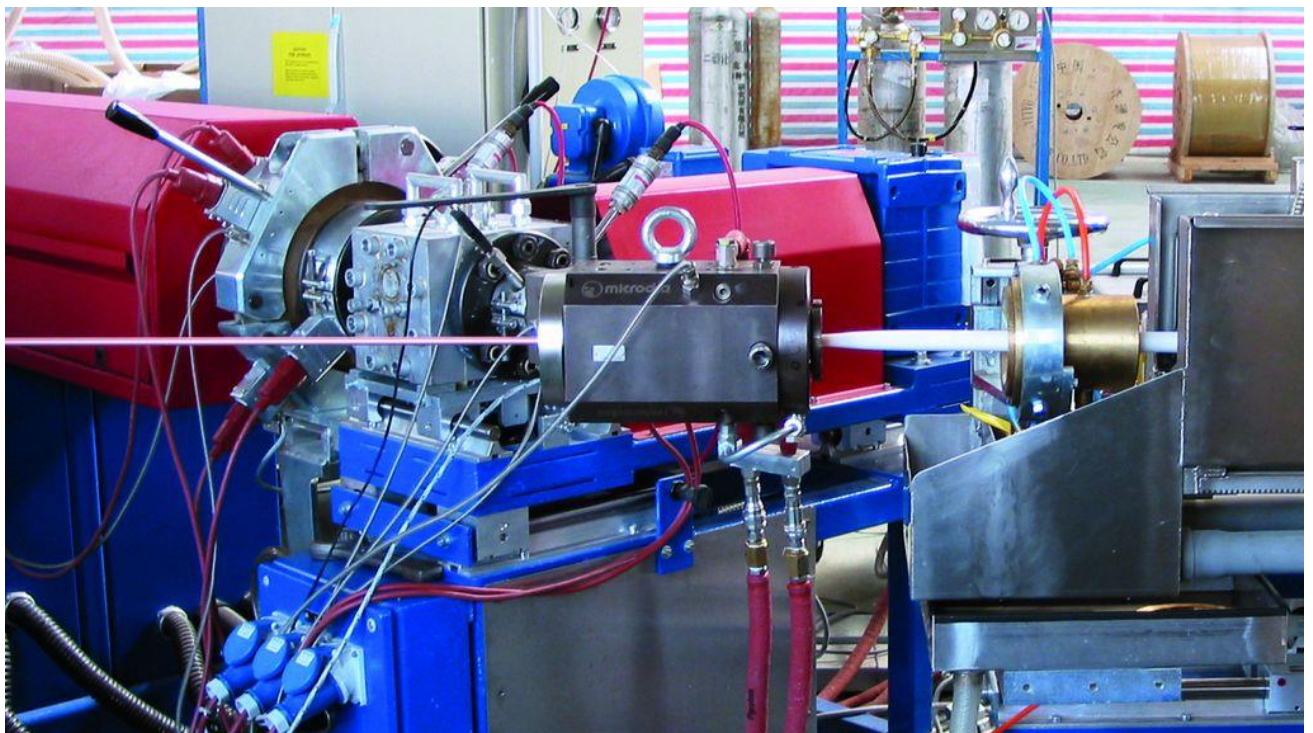
CO-EXTRUSION WITH DOSING AND AUTOMATIC COLOR CHANGE



FIXED OR ADJUSTABLE CENTERING HEADS WITH OR WITHOUT BYPASS



LINE FOR HF CABLES



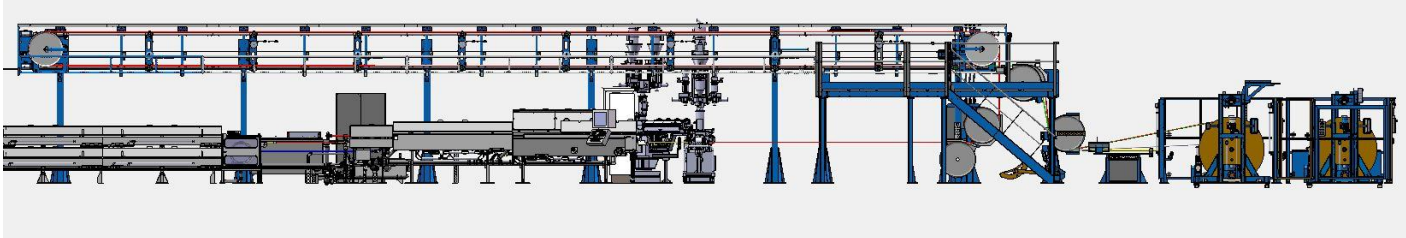
**CV LINES FOR THE PRODUCTION OF INSULATED AUTOMOTIVE
CABLES IN XLPE OR EVA CROSSLINKED**

Max speed 1.000-1200 m/min (depending on diameter)



EXTRUSION LINES FOR BATTERY CABLES

HYBRID OR ELECTRIC VEHICLES



TAPE PAY-OFF AND CAPSTAN

**Motorized and trancanant departures for
optical fibers, micro/macro Bundel FTTH**





Semi-automatic crowning machines



Single crowning machines



Torsion departures



Single or double capstans





WIRE AND CABLE MACHINERY

LUKAS

RIBBON MACHINES

OVENS

SPINNERS

INNOVATION – PERFORMANCE – RELIABILITY – SERVICE



LUKAS, a world-renowned German producer, focuses exclusively on high-tech and high value-added cable equipment such as data, high-frequency, aeronautics, space, marine, medical and others.



LUKAS VERTICAL TAPING HEAD MACHINES

VERTICAL tape head units are available in single or dual head versions. The machines are suitable for the use of polyester, PTFE, Kapton, MICA, metal, fleece and laminated tapes. In addition, other models are available for Douglas fibers and glass fibers. The heads of the machine are synchronized with the capstan by an electronic drive.



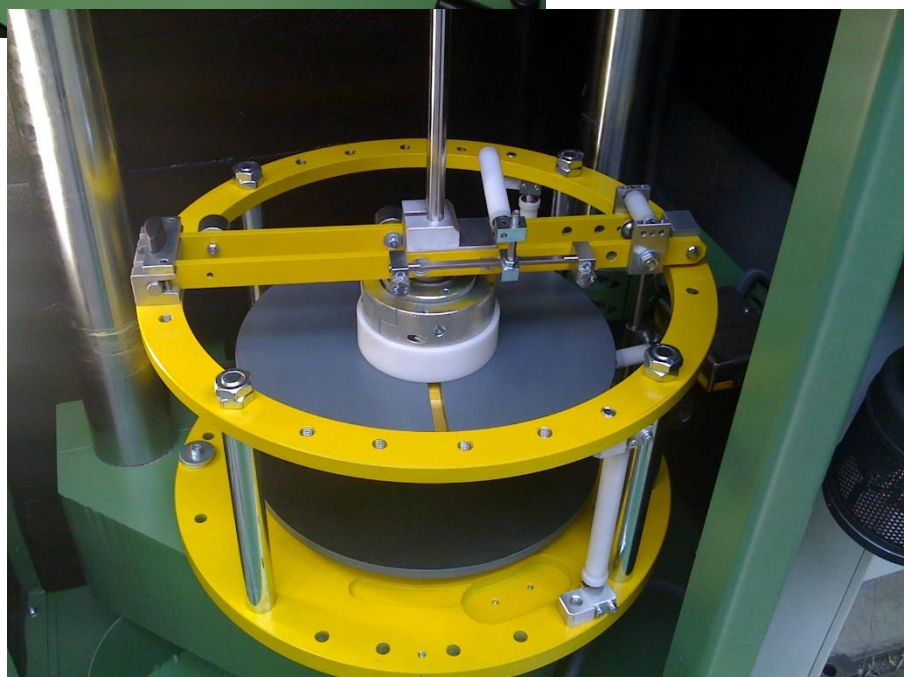
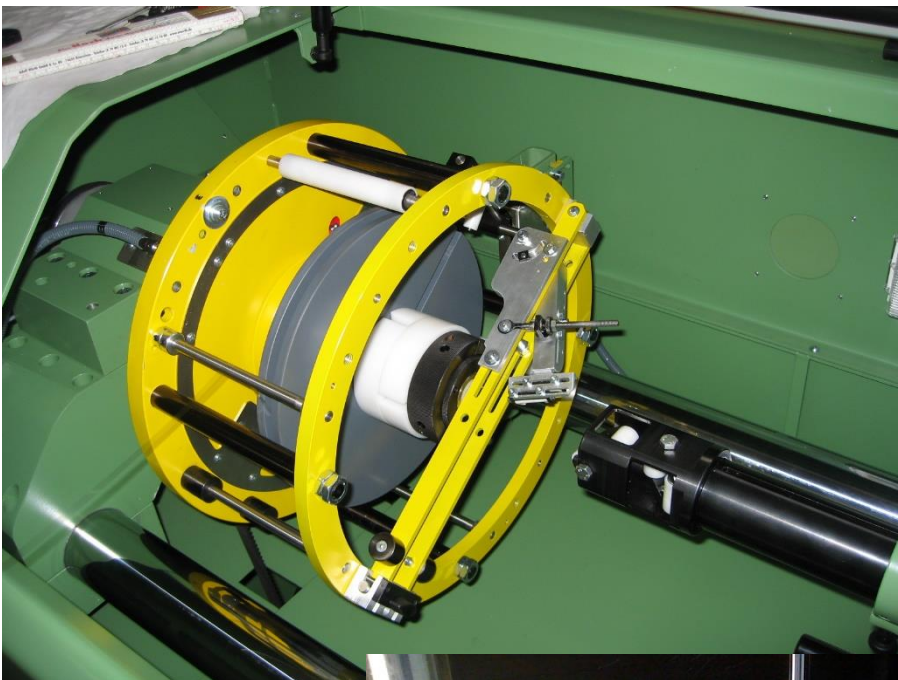
LUKAS HORIZONTAL TAPING HEAD MACHINES

HORIZONTAL tape units are suitable for the use of polyester, PTFE, Kapton, metal, fleece and laminated tapes. In addition, other models are available for Daglas and glass fibers. Up to 4 ribbon units can be synchronized online.



LUKAS RIBBON HEADS

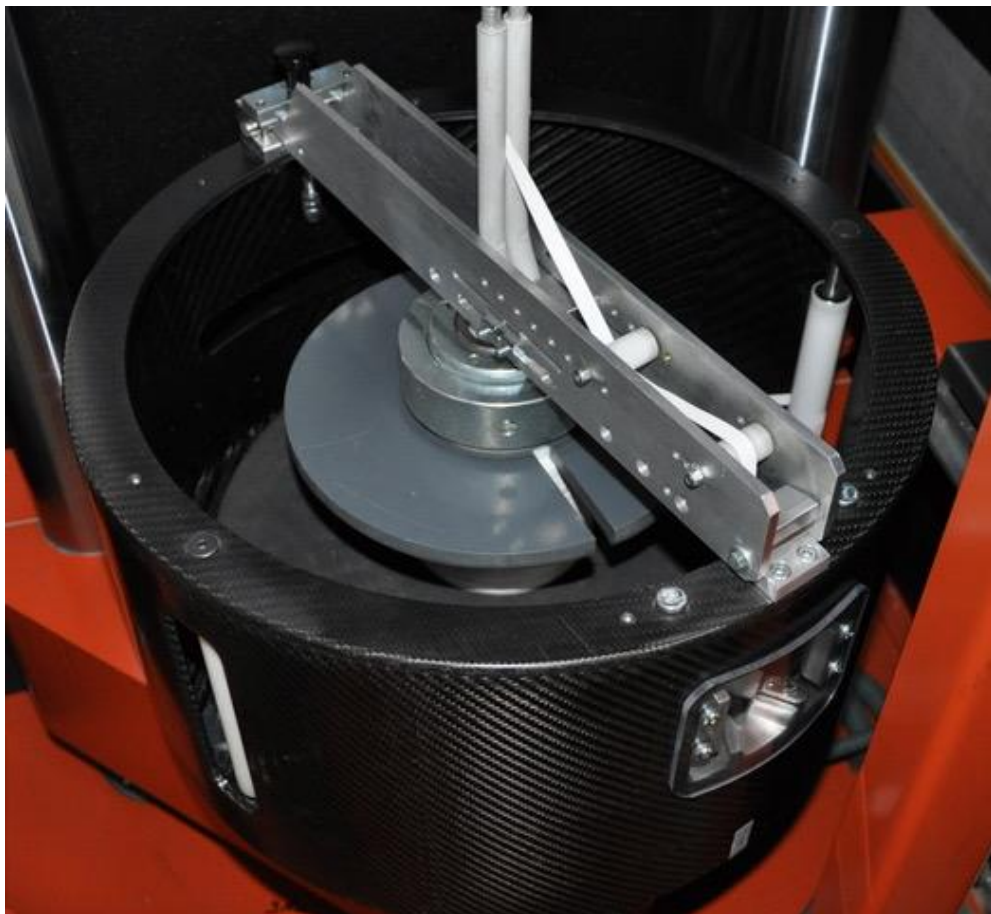
The concentric ribbon heads can rotate up to a speed of 3500 rpm and perform very high precision tape.



LUKAS CARBON RIBBON HEADS

A carbon fiber head is also available and has the following characteristics:

- Outer diameter: 420 mm
- Closed all around
- Much less wind influence
- Tape voltage regulation with or without
- Pantin according to application
- Greater installation accuracy
- Fixed or unsafe pitches
- Reduced energy consumption



LUKAS VERTICAL IR SINTERING OVENS

Our vertical infrared sintering furnaces are suitable for sintering isolated conductors such as PTFE and Kapton for the aerospace, medical technology or chemical industries.

Special features:

- Economical system by means of an IR glass heater with gold-plated slot
- Fast reaction emitters enable precise control of the sintering process
- Exhaust gas removal above the furnace
- Compact construction
- Horizontal version possible
- Temperature 550°C

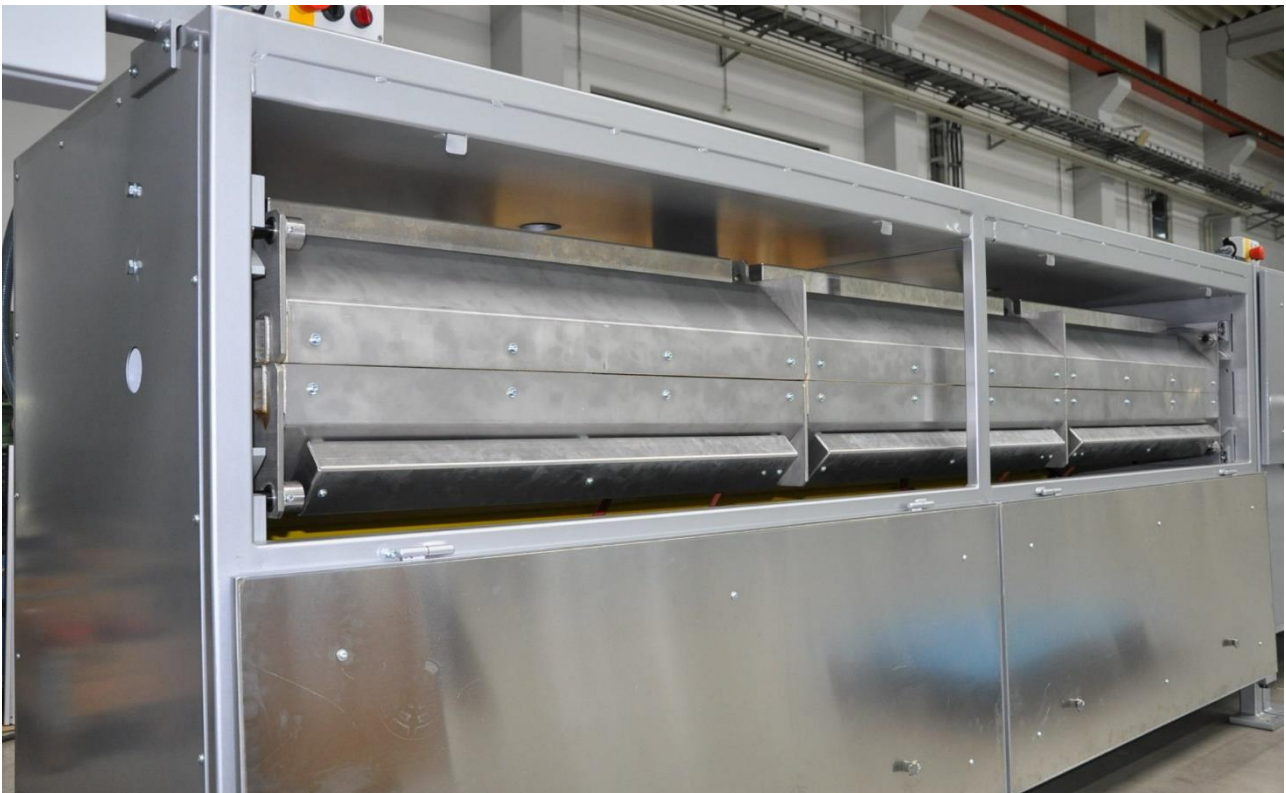


LUKAS HORIZONTAL IR SINTERING OVENS

Our horizontal IR sintering furnaces are suitable for sintering insulated conductors such as PTFE and Kapton, as a drying oven for the pre-varnishing and varnishing process in fiberglass lines, as well as for sintering in Daglas lines.

Special features:

- Single pass respectively, multi-pass operation
- Precise temperature control
- Exhaust gas removal above the furnace
- Rigid design



COMPLETE LINES RIBBONING WITH IR FURNACE

For aeronautical applications with:

- Motorized winder coils DIN 630
- Vertical ribbon with one or two heads
- IR furnace
- Cooling
- Double capstan
- Self-cutting reel DIN 630
- Oven
- Rigid design



WIRE DRAWING MACHINES LUKAS

- Wire drawing machines made of precious metals (gold, platinum, silver)
- Wire drawing machines for copper alloy wires (bronze, brass, mallechort)
- Wire drawing units for ultrafine 70 microns wires
- In-line wire drawing units for the manufacture of enameled, tinned and EDM wires
- Wire drawing machines with resistance cookers and single or automatic reels
- Single and multiwire wire drawing machines
- Integration into various manufacturing processes
- Custom versions available



Cabeltec SA was founded in 1977 and is made up of a team of engineers specialized in cable machines.

We put at your disposal our skills and experience to define, choose, install, modernize and maintain your production machines.

Services



- | | |
|-------------------------------------|------------------|
| • Definition of needs | • Reconditioning |
| • Submissions | • Upgrade |
| • Project Management | • Parts |
| • Study and realization of complete | • Consumables |





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