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[13-17282]

1 x SELECTA, Model DT-400 Compact 400 mm Buncher for Small Gauges



CHARACTERISTICS

Modern & fast double twist buncher 400 mm suitable for copper bunches up to 2,5 mm². Machine is equipped with built-in loading/unloading platform (no hoist needed).

Machine is mechanically complete with soundproof cabinet.

It is however without motor nor electrical cabinet.

MAIN DATA

Flange dia.	400 mm
Overall width	300 mm
Lifting	Electrical table
Pintles	Manual
Speed	7000 tw/min.
Motor	Missing
Max. Cu section	2.5 sqmm max.
Cu wire range	>From 0.07 to 0.4 mm
Lay-length	4,13...45,22 mm
Lay setting	Gears
Bobbin drive	Axem DC motor
Traversing	UHING
Direction	>From left to right

[13-17271]

1 x LESMO, Model DTO 630 DIN 630 mm High Speed Double Twister



CHARACTERISTICS

This reputed buncher is suitable for stranding bare copper or insulated core onto DIN 630 bobbins.

Machine is with single carbon bow, built-in loading platform and with manual pintles.

Bobbin axis is perpendicular to bow one what give a very straight way to wires during the procees and a perfect winding operation.

Pulling is made via a double wheel capstan, 140 mm diameter, and lay-length is preset by gears between 7 and 24 mm.

Take-up bobbin is driven by mechanical clutch, located inside cradle.

The line includes:

- * Lay plate and die holder
- * Double twist buncher, Model DTO 630
- * Electrical and control panels
- * Soundproof cabinet

Machine has also a 3 heads backtwist pay-offs for kevlar yarns put on cops 300 mm x 220 mm wide (on shafts).

MAIN DATA

Wire range	0,1 - 0,6 mm dia.
Bunching section max.	10 mm ²
Semi rigid section 1+6	6 mm ²
Insulated cable max.	3.2 mm
Bobbin dimension	630 DIN
Overall width	475 mm
Bobbin holding	Between pintles
Speed	6000 Tw/min
Bow	Single
Lay Length range	from 11 to 122 mm
Lay control	by change gears
Capstan	2 x 140 mm dia wheels 4 grooves each
Winding system	Mechanical clutch
Traversing	Uhing
Loading-Unloading	Electric platform
Soundproof	Available
Direction	Left to right

[15-17095]

1 x NIEHAUS 400 mm Complete Planetary Line 6 + 12 with Backtwist



CHARACTERISTICS

Complete 19-cores planetary line (6+12) suitable for laying-up insulated core or bare copper bunches for example.

The line can work in tandem for making 37 cores (1+6+12+18) in 2 passages.

It is in excellent condition (refert to photos).

Delivery includes:

- Stolberger portal type pay off 1250 mm, Model WTQ 12/2,5
- Niehaus 6 Bobbin planetary cage, Model K6 400
- Die holder, axially adjustable
- Niehaus tangential taping head 2 x 500 mm, Model BP50/2
- Niehaus 12 Bobbin planetary cage, Model K12 400
- Die holder, axially adjustable
- Niehaus tangential taping head 2 x 500 mm, Model BP50/2
- Niehaus double wheel 1000 mm capstan
- Mechanical meter counter
- Dancer
- Stolberger portal type take up 1600 mm, Model WPA 16/5
- Tube for connecting 2 cages

Line is driven by line shaft, gear boxes and PIV.

Niehaus taping heads are mounted on wheels for easy retraction.

Easy to remove as each machine is mounted on a metallic frame without foundation

Electrical panel available with Eurotherm drive.

MAIN DATA

Pay-off bobbin dia	1250 mm
Bobbin weight max	2,5 tons
Up/down	electrical
Brake	Pneumatic
Bobbin dia	400 mm
Bobbin width	230 mm
Bore dia.	34 mm
Bobbin hold	between pintles
Eyelets	8 mm
Bobbin brake	by steel band
Compensator	1 on each bobbin
Backtwist type	by gears
Die holder	axially adjustable
Brake	pneumatic shoe
Lay length	18 mm up to 879 mm
Speed	85 RPM
Qtyu of pads.	2
Pad dai.	500 mm
Tape width	80 mm
Drive	Line shaft & PIV
Capstan	2 x 1000 mm
Drive	DC motor
Line speed	50 m/min
Control	Electronic
Take-up bobbin dia.	630 up to 1600 mm
Traversing	Self-traverse on floor
Up/down	Electrical
Left/right	Electrical
Gear box	4 speeds: 21/28,7/39,9/55,5
Motor	DC, 4 kW
Direction	Left to right

[13-17297]

1 x KUKAMA, Model VS06 DIN 800 mm Single Twist Cabler



MAIN DATA

Spool dia.	800 mm
Spool OAW	600 mm
Bore	127 mm
Bobbin holding	Shaft
Loading-Unloading system	Swivable shaft assbly
Pulley diameter	250 mm
Passage in single twist hole	30 mm
Capstan diameter	280 mm
Type	3+2, mutigroove
Drive	DC torque motor
Bow speed control	DC motor
Bobbin drive	DC motor
Traverse system	DC + screw & ball bearings
Dancer pulley diameter	260 mm
Type	Translation/rotating
Tension setting	Spring loaded
Range	7,5 - 16 - 33 - 61 N
Direction	Left to right operated

CHARACTERISTICS

Single twist machine DIN 800 suitable for high quality pairing/quadding or cabling low tension insulated core onto 800 mm bobbins, with low tension and easy taping effect (concentric).

The product is pulled by an external rotating capstan, double wheel 280 mm, and wound onto self-traversing 800 DIN spools.

A translation type, rotating dancer, is connected to capstan assembly to control winding tension perfectly.

The bow is driven by DC motor. A shaft connect the bow speed to the capstan assembly for running at same speed.

Winding is made by selftraversing bobbin in front on fixed rotating pulley.

The panel with SSD drives is available

Capstan system is separate from take-up unit.
Both are in with protection soundproof system.

[10-16365]

1 x STOLBERGER 1+6 DIN 630 Complete Tubular Stranding Line



CHARACTERISTICS

Complete and good condition under-roller type tubular strander, perfectly suitable for stranding bare Copper, Aluminium, ACSR or steel wires.

Can also be used for closing steel products or flexible copper bunches.

Machine has been used in non-ferrous cable factory, with clean operation and good maintenance.

Line is complete with:

- * External 630 mm pay-off
- * Tube 1+6/630 mm, on Gesadur rollers
- * Die block, axially ajustable
- * Concentric taping head 400 mm, 2BX/40
- * Capstan 1x 1250 mm, with 36 speed gear box
- * Maillefer 2400 mm column type take-up
- * DC motor and electrical panel

MAIN DATA

Number of bobbin	1+6
Bobbin flange dia	630 mm
Overall width	475 mm
Bore diameter	127 mm
Weight	600 kg copper
Bobbin holding	Between pintles
Pintle closing	Manual
Wire tension	Cord brake system
Wire guides	External TC eyelets
Eyelets	15 mm passage
Guides	Outside tube
Wire break detection	Available
Speed	650 RPM
Under-roller dia.	500 mm
Width	120 mm
Type	Gesadur
Tube drive	DC motor Leroy Sommer
Motor	40 kW 3080 RPM
Capstan	1 x 1250 mm
Lay-length range	40..120 or 132..432
Lay-length set-up	gear box 36 steps
Take-up bobbin dia.	2400 mm
OAW	1400 mm
Bobbin lifting-lowering	Electric motors
Pintles in/out	Electric
Drive	DC motor 20 kW
Traversing	PIV/Screw system
Power supply	380 V / 50 Hz
Panel	2 DC drives Siemens
Braking system	Shoe brakes
Stopping time	5 to 10 sec
Direction	Right to left
Total length	30 m about

[13-17107]

1 x MAILLEFER, Model CDG 630 DIN630 Quadding Line with Backtwist



CHARACTERISTICS

The machine can be considered like a high speed drum twister that can run at 300 RPM. The take-up bobbin is fitted inside a rotating tube and the 4 pay-offs are rotating at same speed driven by line shaft. This machine has the real advantage to handle DIN 630 mm if needed and is in very good condition. They are used typically for high quality quads with low capacitance (so low as 50-60 pF/m. They can also be used for any other similar application.

The machine includes:

- 4 rotating pay off with Backtwist
- 1 lay plate + die holder
- 1 concentric binder
- Uhing traversing unit

MAIN DATA

Flange dia. on take-up	630 mm max.
Overall width	475 mm max.
Internal capstan with gear box	400 mm
Flange dia on P/O	400 mm
Bobbin width on P/O	315 mm
Bobbin hold	between pintles
Bobbin control	cord brake
Core dia.	up to 3,4 mm
Finished dia.	9 mm
Binder pad dia.	150 mm
pad width	100 mm
Control	by PIV
Speed	300 RPM
Drive	AC motor 4 kW

[65-17103]

1 x NIEHOFF, Model M5.4.2.A Superfine Drawing Machine



CHARACTERISTICS

Compact superfine machine well adapted to draw nickel, copper alloys... from 0,8 mm down to 0,05 to 0,25 mm typically.

Line is equipped with drawing unit 21 dies (cone type), VG05 annealer and SG145 shaft type spooler with dancer.

MAIN DATA

Model	M5
Number of dies	21
Wire elongation	15%
Inlet dia.	up to 0,80 mm
Outlet dia.	0,05 to 0,25 mm
Possible drawing speeds	16m/s up to 40m/s
Capstan material	ceramic
Drives	BBC
Annealer	VG05
Model	100A
Current	6,6kVA
Transfo	
Take Up	
Model	SG145
Spool dia	400 mm
Shaft dia	125 mm

[65-17105]

1 x NIEHOFF, Model MMH 50 5x0,05 Multiwire Drawing Anneal. Line



CHARACTERISTICS

Modern line designed for production of superfine wires from 0,05 to 0,15 mm diameter, bare Cu or tinned.

Machine is tandem type, with all same size capstans one after each other.

The line is also annealing the wires in line and is equipped with 400 mm spooler, shaft type

It includes :

- * High speed drawing unit, model MMH 50
- * Compact annealing unit, model R120
- * 400 mm spooler with dancer, model SG145
- * Electrical equipment Siemens
- * Emulsion filtering system
- * Cooling system for emulsions, with pumps...

Drawing unit is driven by one DC motor.

MAIN DATA

Number of wires	5
Number of dies	21
Wire elongation	15%
Speed	20 m/sec
Inlet wire sizes	5 x 0,28 to 5 x 0.66 mm
Outlet wire sizes	5 x 0,05 to 5 x 0.15 mm
Capstan dia.	50 mm (all)
Capstan material	ceramic
Main motor	ASEA 25 kW DC
Annealing current	400 Amps
Annealing power	35 kVA
Spool dia.	400 mm
Spool width	300 mm
Bore dia.	127 mm
Type	Shaft type
Drive	DC motor
Panel	Siemens

[66-17104]

1 x NIEHOFF, Model M15+VG10+S400 Fine Wire Drawing Line



CHARACTERISTICS

Complete drawing line for fine wire with in line dual spooler.

Machine is very compact and made with cones ceramic capstans.

Line includes:

- Drawing section, Model M15
- Annealer, Model VG10 A4R
- Spooler, Model S400D

New electrical panel is recommended.

MAIN DATA

N° dies	21
Elongation	21 %
Inlet Dia.	1,8 mm
Fin. Dia.	0,15-0,4 mm
Capstan Material	Ceramic
Annealer	26 kW
Spooler	dual spooler
Dancer	Mechanical
Spool dia	400 mm max
Spool width	240 mm
Shaft dia	127 mm
Speed	45 m/sec
Traversing control	external fom 0,2 up to 1,8 mm
Motor	2 x DC motor 6,5 kW
Motor	Siemens DC motor 112 kW

[63-16364]

1 x NIEHOFF, Model M30 0,3-1,0 mm Draw.Line Double Spooler 400 mm



CHARACTERISTICS

Intermediate drawing machine equipped with continuous annealer type VG30, and double automatic spooler 400 mm for making 0,3 to 1,00 mm annealed copper from 3,50 mm dia. typically.

It includes

- * Pay-off Stand for bobbins
- * Drawing section, ceramic cones, Model M30 17-A
- * Annealing section, continuous type, Model VG30 A-3A&
- * Synchronisation dancer
- * Spooler 400 mm, double, shaft type, Model S 400-D F
- * Electrical panel & control boards

Machine still in production when inspected.

MAIN DATA

N° dies	17
Inlet Dia.	3,55 mm Max
Fin. Dia.	0,30 - 1,04 mm
Capstan Dia.	Cone type
Capstan Material	Ceramic
Speed	12,5-17,5-35,0 m/sec
Number of dies	17
Wire elongation	24%
Biggest capstan	200 mm
Motor	DC
Power	168 KW
Annealer Type	VG 30
Annealer power	45 kVA
Voltage	35..59 V
Current	1300 A
Spooler dia.	315/400 mm
OAW	280 mm
Bore dia.	127 mm
Type	Automatic
Bobbin holding	Shaft
Bobbin drives	2 x DC motors
Type	Baumuller 6,5 kW
Loading system	Small hoist
Direction	Left to right

[63-17250]

1 x NIEHOFF, Model M30 Excellent 0,3-1,2 mm Draw / Anneal. Machine



CHARACTERISTICS

Famous Niehoff drawing machine with annealer suitable for production of 0,3 to 1,2 mm annealed copper wires.

The delivery includes :

- Niehoff cone type drawing machine 17 dies, Model M30-2417
- Niehoff in line annealer 1300 A, Model VG 30-1300
- Niehoff dancer, Model VP200

Main motor and electrical panel are not available, except the one with main transformer for annealer.

The machine was used before in a tandem insulation line and is therefore without spooler.

MAIN DATA

Number of dies	17
Elongation	24%
Capstan material	Ceramic
Inlet dia.	3,5 mm max
Outlet dia.	0,3-1,2 mm
Main motor	Missing (about 90 kW)
Speed 0,4-0,7 mm	30 m/sec
Speed 0,8 mm	25 m/sec
Speed 0,9 mm	21 m/sec
Speed 1,0 mm	16 m/sec
Speed 1,1 mm	12 m/sec
Speed 1,2 mm	10 m/sec
Last capstan	250 mm
Annealing voltage	45-51-56-64 V
Annealing current	1300 A
Power	50 kW
Dancer	Pneumatic
Type	Oscillating
Direction	Left to right

[84-17102]

1 x NIEHOFF, Model VAE 101 Rod Pointing and Threading Machine



MAIN DATA

Wire dia. max	8,0 mm Cu 9,5 mm Alu
Capstan dia.	450 mm
Number of grooves	14
Motor	AC

CHARACTERISTICS

Heavy duty pointing and threading machine suitable for pointing copper or alu rod.

Was used before with M85 drawing machine.

Unit includes drawing capstan with pulling dog as well as two rolls pointing system.

It is in working condition.

[55-17251]

1 x REZY Paper Filtering Station Suitable for Intermediate Draw.



CHARACTERISTICS

Unit designed for filtration of emulsion used in copper drawing machine.

Was previously working with Niehoff M30 drawing machine.

Available with pumps.

[86-17257]

1 x SCHLATTER, Model EA-1 Trolley-Mounted Small Butt Welder



CHARACTERISTICS

Butt welder mounted in trolley typically used for welding metal wire in the range of 1 to 4 mm diameter.

MAIN DATA

Power supply	380 V
--------------	-------

[86-17258]

1 x SCHLATTER, Model SA 0,8 0,5 kVA Small Butt Welder



MAIN DATA

Power supply	220 V
kVA	0,423
Voltage	0,4 to 0,88 V
Current	0,51 to 0,23 kA

CHARACTERISTICS

Small butt welder used for welding small wires like 1 mm for example.

[18-17264]

1 x SPIRKA, Model W4-12 / 3 600 RPM 12-B Vertical Spiralling Line



MAIN DATA

Number of bobbins	1 x 12
Design	3 layer of 4 each
Bobbin dia.	90 mm
Bobbin OW	100 mm
Volume	550 cm ³
Bobbin position	Between pintles
Speed	20 ... 600 RPM
Capstan	500 mm, single wheel
Capstan drive	Motor
Lay length	3...125 mm
Lay setting	Electronic control
Cable dia.	1...10 mm
Soundproof	Available
Pay-off and Take-up	630 mm, shaft type
Traversing	UHING
Electrical panel	Available

CHARACTERISTICS

Machine used for shielding small cables with copper wires.

It can handle 12 B of 90 mm diameter, 100 mm high and rotate those bobbins with multiwire usually around the central cable at a speed of 600 RPM.

The cable can be up to 10 mm typically.

Product is pulled by capstan and lay-length is controlled electronically.

Pay-off and take-up DIN 630 are available.

[18-17265]

3 x SPIRKA, Model DF16A High Speed Modern Braider 16 Carrier



MAIN DATA

Flange diameter	76 mm
Overall width	100 mm
Speed	150 RPM
Number of bobbins	16
Capstan diameter	500 mm
Lay-length control	Electronic
Machine drive	AC motor
Capstan drive	AC motor
Electronic	2 x Lenze drives
Soundproof cabinet	Available

CHARACTERISTICS

This high speed machine can braid cables or hoses either with Cu or steel wires.

The machine is complete with soundproof cabinet and electrical panel.

It is today without pay-off/take-up.

Running at 150 RPM with braiding pitch from 3 up to 60 mm, it is a very productive machine.

[18-17266]

1 x HACOBA, Model DSA RE Full-Automatic 4-Head Braid.Spool Winder



MAIN DATA

Number of bobbins	4
Bobbins dimensions	
Flange dia	76 mm
Width	100 mm (can be more)
Useful width	70 mm
Magazin	4 x 11 bobbins
Flap operation	Pneumatic
Year	1998

CHARACTERISTICS

Automatic bobbin winder for braider spools.
Machine in excellent working condition.

The machine is composed of :

- Wires guides
- 4 head winder, model DSA RE
- Full bobbin evacuation

The machine can accomodate 76 mm flange bobbins, either short (100 mm) or long (125 mm).

[18-17267]

1 x HACOBA, Model SO 20 C 4-Head Full Automatic Winder



MAIN DATA

Flange dia.	65-67 mm
Barrel dia.	35 mm
External width	83 to 118 mm
Usefull width	72 to 111 mm
Drive	AC 3 kW
Speed control	Frequency inverter
Dimensions	1,3 m x 1,3 m x 1,65 m (H)
Year	1991

CHARACTERISTICS

Automatic bobbin winder for braider spools Hacoba type 80/80 and other brandname using the same bobbin dimensions.

Machine in very good working condition.

The machine is composed of :

- 1/ Extended empty bobbin magazine
- 2/ 4 head winder type SO20C
- 3/ Full bobbin evacuation system
- 4/ Electrical cabinet

Machine was used together with Spirka braider 16C.

[18-17294]

1 x REDAELLI, Model 295 / RE Double Head Automatic Winder 100 mm



MAIN DATA

Bobbin dia. OAW	100 mm 100 mm
Number of bobbins	2
In/out	Automatic
Drive Traversing	Magnetic DC motor UHINGs
Panel Year	Available, S7 1998

CHARACTERISTICS

Modern dual bobbin automatic winder suitable for winding copper wires onto bobbins 100 mm dia x 100 mm width (like NG3 Spirka model for example).

Machine is complete, without pay-off however.

[18-17289]

1 x Table Mounted Winder for Braiding Spool 120 mm x 150 mm



MAIN DATA

Bobbin dia.	120 mm
Width	150 mm
Holding	Pintles
Drive	AC motor
Speed control	Potentiometer
Traverse	UHING

CHARACTERISTICS

Small table mounted winder which can be used for rewinding wires onto small bobbins, like for braiders for example.

It can handle various range of bobbins easily.

[42-17276]

2 x SPIRKA **10 Pos. 315 mm Bobbins Flyer Pay-off**



MAIN DATA

Bobbin dia.	315 mm
Bobbin width	200 mm
Shaft	127 mm
Tension	Brake disk
Tension setting	Manual

CHARACTERISTICS

Bench of 10 bobbins pay-offs, ideally used in winding process for braiding spools for example.

[17-17252]

1 x SPIRKA, Model TBWH-500 Tangential Taping Head 2 x 500 mm



MAIN DATA

Number of pads	2
Pad dia.	500 mm
Tape width	60 mm
Drive	AC motor
Central passage	60 mm about
Guards	Available
Electrical panel	Not included
Direction	Right to left

CHARACTERISTICS

Good tangential taping head which can be used for non metallic tape application on cables.

Unit is fully guarded and equipped with AC motor as drive.

It is available without electrical panel.

[17-17256]

2 x KUKAMA, Model ZBW 400 Good Concentric Taping Head 400 mm



MAIN DATA

Pad dia.	400 mm
Pad bore	72 to 78 mm
Tape width	6-20 mm
Passage	20 mm
Drive	Missing
Rotation speed	1800 RPM max
Direction	Right to left

CHARACTERISTICS

Concentric taping head which can be used for tape application on small cables.

[17-17269]

1 x KUKAMA, Model VSH200 High Speed Concentric Binder 200 mm



CHARACTERISTICS

Standalone binder used for binding yarns or narrow tapes onto cables.

MAIN DATA

Cop dia.	200 mm
Passage	30 mm
Tension setting	By potentiometer
Direction	Right to left

[17-17277]

2 x SPIRKA, Model TBW 400

Vertical Tang. Taping head 2 x 400 mm



CHARACTERISTICS

Vertical taping machine used for applying tangentially two tapes onto cables.

MAIN DATA

Pad. dia.	400 mm
Tape width	60 mm
Tape tension	Friction brake
Tension setting	Dia. sensor
Drive	DC motor
Electronic	DC drive

[17-17268]

2 x NIEHAUS, Model BPX 50 / 4 4 x 500 mm Tangential Taping Head



MAIN DATA

Number of pads	4
Construction	2+2
Pad diameter	500 mm
Tape width	60 mm
Tape tension	Dancer/band brake
Passage	90 mm
Total length	2.5 m
Drive	PIV system / line shaft

CHARACTERISTICS

Taping head driven by line shaft/PIV suitable for metallic taping on cables.

Typically for copper tapes.

Head is driven by line shaft via PIV system.

[17-17100]

1 x QUEINS, Model A 3875 Eccentric Binder 200 mm



MAIN DATA

Number of cops	1
Speed	800 RPM
Cops dimensions : outside diameter width	200 mm 220 mm
Cable passage	50 mm
Yarn tension control	magnetic

CHARACTERISTICS

Recent & compact eccentric binding head designed for 1 cop 200 mm dia.

This can run at speed up to 800 RPM & has a cable passage of 50 mm dia.

No electrical panel available

[86-17278]

1 x SCHLATTER, Model RA11-2 Spot Welder for Welding Metal Tapes



MAIN DATA

Tape thickness	0,5 to 2,0 mm
Span	120 mm
Force	1800 N

CHARACTERISTICS

Spot welder typically used for welding metal tapes together (with overlap).

[31-17259]

1 x LABOTEK, Model PGT4 Hopper Loader for 60 or 80 mm Extruder



MAIN DATA

Model	PGT 4
Capacity	8 liter
Blower Power	0,37 kW
Voltage	AC 3 x 380V

CHARACTERISTICS

8 liter Vacuum Hoper Loader PGT4.

Solid aluminium construction.

Easy to install on a 60 or 80 mm Extruder.

[31-17108]

2 x LABOTEK, Model DDL350 Air Dryer



MAIN DATA

Granulates Capacity	150 kg
Granulates type	PE Polyamid
Voltage	3 x 400 volts

CHARACTERISTICS

Dessicant Dry Loaderfor granulates used with a 60 mm extruder

Control panel available.

[31-17109]

1 x LABOTEK, Model DDM 120 120 liter Mobile Air Dryer



MAIN DATA

Granulates Capacity	120l
Granulates type	PBT Polyamide LSFH
Voltage	3 x 400 volts
Footprint	0,6m ²

CHARACTERISTICS

Dessicant Dryer Mobile for Polyamide, PBT and LSZH compounds

Easy to operate close to the extrusion line as its frame is on wheels

The DDM dryer has been designed for drying hygroscopic raw materials, non-hygroscopic raw materials and regrind in the temperature range from 60° to 140°C with a temperature deviation of $\pm 2^{\circ}\text{C}$.

Owing to an accurate temperature control and a dew point temperature of better than $\div 30^{\circ}\text{C}$ a residual humidity of less than 0.02% can be obtained.

[31-17296]

1 x PLASTICOLOR, Model 2200 Dosing System with 3 Dosing Units



MAIN DATA

Number of plasticolor 3

CHARACTERISTICS

3 sets of Plasticolor 2200 model connected together in a neck to be attached on extruder.

[31-17286]

1 x ZUMBACH, Model 310FL1220 Recent 12 kVA Induction Preheater



MAIN DATA

Power	12 kW
Wire size	0,32 to 3,0mm
Speed possible	30 to 300 m/min
Direction	Right to left (can be changed)
Pulley diameter	235 mm
Power	400 V/ 40A

CHARACTERISTICS

Reliable and very reputed wire preheater used in extrusion line.

It can heat-up solid, stranded or bunched construction.

Zumbach offers the following advantages:

- * Simple and easy single string-up
- * Fully enclosed/interlock safe design
- * 2 position range tap to cover broader line speed range
- * Robust and heavy duty design
- * Line speed encoder for auto tracking of produc. speed
- * Pre-settable algorithm for automatic heat loss compens.

[31-17292]

1 x BETA, Model MCS 6 LM1520 15 kVA Preheater for Wire Heating



MAIN DATA

Line direction	Left to right
Low speed Cut On point	1200 m/min
Model	LM15-20 MCS 6
Controller	C560
Main Supply	400 V AC
Main Current	35 A
Frequency	50 Hz

CHARACTERISTICS

Induction type preheater designed for running in line with extrusion.

It can preheat Cu/Alu or other metallic conductors.

Was used in LAN cable insulation line as wire preheater when predrawn or for patch cords 7 x 0,1 mm

[31-17291]

1 x NOKIA MAILLEFER, Model OS11 Preheater & Capstan, 20 kVA



MAIN DATA

Power	20 kVA
Wire size	0,3..0,9 mm
Speed	2000 m/min
Frequency	0..800 Hz
Pulley diameter	200 mm
Capstan	Built-in

CHARACTERISTICS

Good preheater with built-in capstan perfectly adapted for high speed high quality datacom or LAN insulation line.

The capstan inside allows to reduce the tension on wire and keep good tension control all over the process.

[50-17106]

1 x BALTI **Cold Jelly Pump for Barrel 560 mm**



MAIN DATA

Barrel dia.	560 mm
Height	800 mm

CHARACTERISTICS

Single barrel cold jelly pumpng system.

It is fixed on single frame.

[50-17253]

1 x NORDSON Good Condition Electrostatic Talk Applicator



MAIN DATA

Voltage	30--45-60-75-90 kV 150 μ A
Passage	80 mm
Powder dryer	Available 3,6 L, 50°C max.

CHARACTERISTICS

Very good electrostatic powder application used in cable extrusion line.

Unit is mounted on castor wheels and is a standalone system.

It has voltage regulator as well as powder drying system available.

Regulators are for :

- * Voltage control
- * Flow control
- * Feed hopper fluid bed
- * Fluid assist ring
- * Pulse air
- * Transfer bed pump

It is equipped with one gun.

[34-17290]

1 x NOKIA MAILLEFER, Model OV4 / 350 Good Multipass Cooling Trough



MAIN DATA

Typical wire size	0,3-1,2 mm
Typical speed max.	2000 m/min
Cooling length Pulleys	80 m multipass 350 mm
Capstan drive	DC motor
Direction	Left to right

CHARACTERISTICS

High speed cooling trough typically designed for production of telephone conductors, data cores or equivalent.

Can also be used for small insulation line for wires or flexible bunches.

The system is integrating a pulling capstan, with motor, directly coupled to last pulleys.

Cooling is made by aspersion and sections are covered to reach high speed like 2000m/min.

A tank is also located below the multipass section as water reservoir at constant T°.

The delivery includes :

- Nokia Maillefer motorized telescopic cooling trough
- Nokia Maillefer straight cooling trough, Model NM OV6
- Nokia Maillefer multipass cooling trough / dryer, Model OV4-350
- Built-in pulling capstan with DC motor

The panel for the capstan control is not included.

[34-17272]

1 x MAILLEFER Cast-Alu Returning Box 500 mm for Water Through



MAIN DATA

Pulley diameter	500 mm
Number of pulleys	2
Cable dia.	15 mm
Sections to be connected	+ - 230 x 230 mm

CHARACTERISTICS

Returning boxes which can be used for building up a multipass cooling trough for insulation or small sheathing extrusion line.

The pulleys are 500 mm diameter.

Pieces are in cast aluminium.

[31-17110]

1 x MAILLEFER XLPE 175 24D extrusion Screw



MAIN DATA

Screw dia	175 mm
Screw length	4200 mm

CHARACTERISTICS

175 mm 24D original Maillefer screw for XLPE.

Made for use under high pressure.

[31-17270]

1 x 120 mm Screw Single Flight, Low Compression (3 m long)



CHARACTERISTICS

120 mm Extruder Screw.

MAIN DATA

Dia	120 mm
Length	3000 mm

[31-17273]

1 x REGLOPLAS, Model 250 **Large T° Regulator for 250°C Heating**



MAIN DATA

Max T°	250 °C
Power	7 Kw

CHARACTERISTICS

Heating and Cooling device based on oil.

[45-17263]

1 x MAILLEFER, Model OU 800 Belt-Wrap High Speed Capstan 800 mm



MAIN DATA

Capstan dia	800 mm
Pulling system/control	Beltwrap system
Motor	Missing
Gear box	3 speed
Belt width	65 mm
Belt tension	Pneumatic jack
Control panel	Pressure control

CHARACTERISTICS

Assembly used for pulling insulated cores at high speed during extrusion process.

Unit is based on 800 mm driven wheel.

Machine is today without motor, but has already a 3 speed gear box.

[45-17281]

1 x MAILLEFER, Model OZ High Speed Wheel Capstan cum Dancer



MAIN DATA

Diameter	300 mm about
Drive	DC motor
Tension setting	Pneumatic
Wheel dia.	250 mm

CHARACTERISTICS

Pulling capstan 350 mm with built-in dancer suitable for high speed insulation line.

It can be put after cooling trough, before the double spooler.

Typically used for conductors up to 6 mm².

[45-17255]

1 x KUKAMA, Model DST 350 350 mm Pulling Capstan with Dancer



MAIN DATA

Capstan dia.	350 mm
Cable dia.	Up to 12 mm
Pulley dia.	350 mm
Number of pulleys	4
Motoreducer	Capstan drive

CHARACTERISTICS

Compact pulling capstan with built-in dancer suitable for pulling cable in extrusion line for example.

Unit is mechanically complete, without electrical panel.

Unit is equipped with a measuring wheel at the exist.

[45-17287]

1 x ITAL, Model TDV 600 Dual Wheel 600 mm Pulling Capstan



MAIN DATA

Number of wheels	2
Wheel dia.	600 mm
Driven wheel	1
Returning pulleys	3, free wheeling
Groove dia	20 mm
Drive	DC motor Sicme

CHARACTERISTICS

Dual wheel capstan used for extrusion line.

One wheel is 600 mm, driven by DC motor.
Returning pulleys are 3, free wheeling.

On exist passage, there is a belt-wrap system for keeping tension on capstan even when take-up is not pulling the cable.

[45-17288]

2 x CAPNET, Model CAB 800 D Dual Wheel Pulling Capstan 800 mm



MAIN DATA

Number of wheels	2
Wheel dia.	800 mm
Width	150 mm
Driven wheel	1
Returning pulleys	3, free wheeling
Groove width bottom	25 mm
Groove width top	40 mm
Shape	Trapezoidal
Drive	DC motor
Gear box	(on one machine)

CHARACTERISTICS

Dual wheel capstan used for extrusion line.

One wheel is 800 mm, driven by DC motor.
Returning pulleys are 3, free wheeling.

On exist passage, there is a belt-wrap system for keeping tension on capstan even when take-up is not pulling the cable.

[33-17101]

1 x KUKAMA, Model STN 800 150 Horizontal 150m Accumulator



MAIN DATA

Organisation	6+7 pulleys
Pulley material	Polyamide
Carriage stroke	11 m
Length accumulation	150 m
Pulley dia	800 mm bottom groove
Cable dia.	Up to 40 mm

CHARACTERISTICS

Horizontal accumulator with pneumatic driven rolls for supporting the cable.

Previously used in an insulation for providing continuous operation during pay off changeover.

[33-17284]

1 x LEIMBACH, Model HP 20 Good Vertical Accumulator 8+9 / 500 mm



MAIN DATA

Number of wheels	8+9
Material	Plastic
Wheel dia.	500 mm
Groove	+ - 20 mm
Type	Vertical
Accum. length	About 40 m
Tension setting	Pneumatic jack

CHARACTERISTICS

Vertical accumulator used in extrusion line for cable up to 20 mm max.

Tension is set pneumatically.

Machine is well guarded.

[33-17275]

1 x MAILLEFER 7 + 8 / 350 mm Vertical Pneumatic Dancer



MAIN DATA

Pulley diameter	500 mm
Number of pulleys	7+8
Pulley material	Metal
Tension setting	Pneumatic
Position	Vertical
Passage	15 mm

CHARACTERISTICS

Vertical accumulator/dancer which can be used for cable diameter up to 15 mm typically.

Pulleys are 500 mm, metal type. They are 7 pulleys on trolley 1 and 8 on second.

[41-17293]

1 x KUKAMA, Model TAF 16-S Portal Type Rewinding Line 1600 mm



CHARACTERISTICS

Excellent condition revider used before to take bobbins from racks and rewind it onto bobbins up to 1600 mm diameter.

The take-up is portal type, suspended.
It can travel on a large frame (7,5 m) to position the take-up bobbin in front of rack distribution.

the bobbin on rack was lifted up by underroller system so that it can free wheel easily.

The take-up is equipped with precise belt type counter.

The delivery includes :

- Underroller type trolley for supporting pay-off bobbins
- Precise belt type length counter
- Portal take-up frame
- Electrical panel

MAIN DATA

Take-up dia.	800 to 1600 mm
Overall width	600 to 1180 mm
Pintles up/down	Electric
Pintles in/out	Electric
Bobbin drive	DC motor
Traversing	Self-traverse, on top
Speed control	Potentiometer
Traverse control	Potentiometer
Counter	Belt type
Pay-off type	Underroller
Diameter	Up to 1600 mm
Roller adjustment	Pneumatic
Bobbin width	650 mm
Translation	Motorized
Total width	7,5 m

[42-17285]

1 x CAPNET, Model BTH 1250L High Speed Driven Pay-off 1250 mm



MAIN DATA

Bobbin dia.	630 to 1250 mm
OAW	600 to 950 mm
Lifting	Electric
Closing	Electric
Drive	Motor (?)

CHARACTERISTICS

Pay-off able to take wide range of bobbins and run them fast into extrusion line.

The bobbin is taken between pintles.
The design shrinks onto the bobbins when loaded.

The bobbin is driven by motor.

Machine is without electrical panel.

[42-17254]

1 x KUKAMA, Model AL 10 1000 mm Cantilever Magnet-Braked Pay-off



MAIN DATA

Type	Cantilever
Flange dia.	630 to 1000 mm
OAW	Up to 750 mm
Pintles up/down	Electrical screws
Pintles open/close	Manual
Bobbin Drive	Magnet brake
Electrical panel	Available

CHARACTERISTICS

Cantilever take-up which can accomodate bobbins up to 1000 mm dia.

Bobbin is taken between pintles, electrically operated.
One pintle is braked for giving tension on cable.

Tension can be set by electrical magnet braking system.

Unit is complete with guiding stand and electrical panel.

[41-17260]

1 x Cantilever Take-up Heavy Duty 1600 / 2000 mm Hydraulic



MAIN DATA

Bobbin dia.	1600 or 2000 mm
Overall width	up to 1400 mm
Bobbin lifting	Hydraulic jacks
Pintle closing	Manual
Column movement	Electric
Bobbin drive	AC motor
Clutch	Hydraulic coupling
Traversing system	UHING
Guiding wheels	Available
Length counter	Available

CHARACTERISTICS

Heavy duty take-up which can take 1600 mm or 2000 m bobbins.

Bobbins are lifted by hydraulic jacks.

They are 2 sets of pintles on each arm.
One low, for small bobbin, on higher for bigger diameter.

The bobbin is driven by AC motor via hydraulic clutch.
Traversing is on separate stand, with big UHING system.

[42-17261]

1 x STOLBERGER **Heavy Column Type Pay-off 2600 mm, Model WQ026**



MAIN DATA

Flange dia.	2600 mm
OAW	1900 mm
Weight	15.000 kg
Pintles left-right	Electric
Pintles up-down	Electric
Lifting screw diameter	60 mm
Brake	Shoe brake
Tension setting	Manual

CHARACTERISTICS

Heavy column type pay-off used for unwinding cable or ropes.

Unit is originally 2600 mm diameter, 15 Tons.

Tension is set by braking bobbin with shoe type disk brake system.

[82-17262]

1 x LEIMBACH, Model CA 05-03 Compact 500 mm Shaft Winder



MAIN DATA

Bobbin dia.	500 mm
Overall width	260 mm
Bobbin holding	On shaft
Shaft dia	127 mm
Locking system	Expandable, manual
Bobbin drive	DC motor
Traversing system	UHING system
Stroke adjustment	Available, when running
Counter	Available
Electrical panel	Not available

CHARACTERISTICS

Compact winder suitable to take bobbins up to 500 mm.

Bobbin is hold on expandable shaft and is driven by DC motor.

Traversing is achieved by UHING system.

A precise length counter is available.

A remote traverse control system allows also to adjust traversing width when machine is running.

The machine is today without electrical panel.

[42-17283]

1 x SELECTA **Fine Wire Compact 40 x 250 mm Pick-up Type Pay-offs**



MAIN DATA

Number of bobbins	40
Bobbin dia.	250 mm
OAW	200 mm
Bore	127 mm
Design	Static bobbins
Pay-off system	Pick-ups
Tension	Small friction brake
Tension setting	Manual
Wire break detection	Available

CHARACTERISTICS

Compact pay-off suitable to take 40 bobbins 250 mm with superfine wires.

The bobbins are static and a small pick-up is taking gently the wires out the bobbins.

Tension is preset by giving a small resistance on the pick-up system.

Each bobbin as an individual wire break detection.

[74-17279]

2 x SWISSCAB, Model FOD 12 12 Pos. Fiber Pay-off for Loose Tube



MAIN DATA

Number of pay-offs	12
Tension control	Drive & dancer
Pulleys dancer	80 mm
Capstans	100 mm
Type	Beltwrap
Capacity	25 kms/each
Speed	200 m/min easily
Year	1992

CHARACTERISTICS

Single stand pay off frame suitable to pay-off 12 fibers into secondary coating line.

Previously used in a loose tube line, it can be adapted for the same purpose or ribbon line.

Tension controlled by weight-loaded dancers

Each fiber is pulled by small beltwrap capstan.

[74-17280]

1 x SWISSCAB, Model KEVLAR 12-Pos 300 x 300 mm Kevlar Pay-off



MAIN DATA

Cop dia.	300 mm
Width	300 mm
Holding	On shafts
Year	1992

CHARACTERISTICS

Stand suitable to take 12 cops of aramid yards and paid them off by unrolling in extrusion or cabling process.

[50-17274]

1 x KUKAMA Cutting Saw - 100 mm Blade - for Cutting Cables



MAIN DATA

Blade dia.	100 mm
Drive	AC motor
In/out translation	Pneumatic
Passage	20 mm

CHARACTERISTICS

Rotating blade used to cut cables up to 20 mm.

The blade can be translated in/out by pneumatic jack.
It is driven by AC motor.

The cable slides into a tube where a groove is made for
insertion of the blade.

[82-17295]

2 x METEOR Precise Winding Machine for 120 mm Bobbins



NOTES

NOTES

Our stock of machinery has a rapid turnover, listed machinery may be sold.
Updated lists are forthcoming at regular intervals.
This brochure is subject to changes and print errors.

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