



ABOUT US

Güven Mühendislik Makina Sanayi ve Ticaret Ltd.Şti. (GMM) established in 2000 is one of the leading cable machinery manufacturer in Turkey.

Having 23 years of experience of Founders, GMM has become a well-known company at cable machinery industry in Europe.

GMM is producing machines for Copper Telecommunication Cable, Fiber Optic Cable, Data & LAN Cable, Power Cable, and High Voltage Power Cables.

The production is performed at fully integrated plant with the total floor space of 6,000 m2 and site area of 10,000 m2 with the latest technologies and using the most updated machinery and methods under the supervision of skilled and experienced staff assuring the most updated & quality products.

All the production and QC procedures are achieved by the procedures and regulations of obtained ISO 9001, ISO 14001, and OHSAS 18001.

PRODUCTS

Fiber Optic Cable Production Lines

Secondary coating line
Optical fiber cable stranding line
Sheathing line for optical cable
Rewinding line for optical cable

Copper Communication Cable

Solid insulation lines
Chemically foamed insulation lines
Sheathing line
Rewinding line

Energy Cable

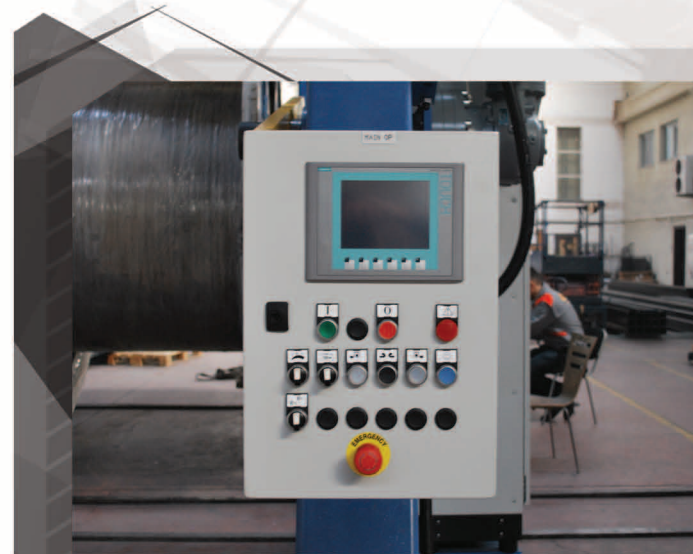
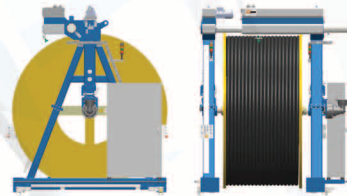
Building wire insulation line
Low voltage cable insulation line
Filling and sheathing line
Sheathing line

Individual Machines

Pay-off & Take-ups	Line control systems
Caterpillars	Auxiliary equipment
Extruders	Dancers
Accumulators	Double reelers
Cooling troughs	Single wheel capstans
Multipass troughs	Double wheel capstans
Belt type capstans	Barrel packers
Jelly filling units	Binders

PORTAL TYPE

TAKE-UP & PAY-OFF



TECHNICAL SPECIFICATIONS

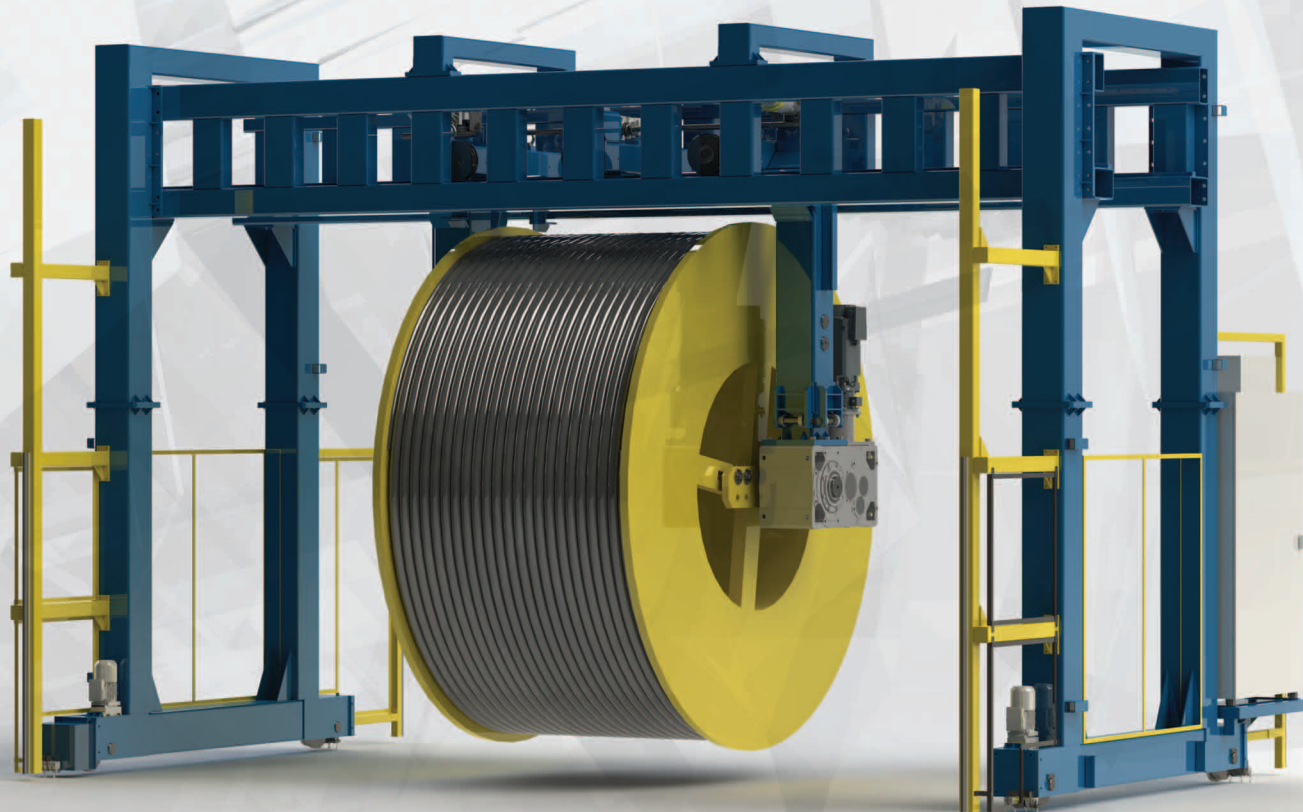
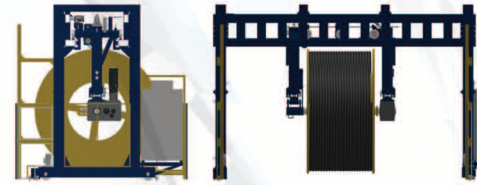
- Working zone (safety zone) limited by fence and light barrier.
- Reel diameter range of up to 5000 mm.
- Reel weight range up to 50 tons.
- Traversing on lateral floor rails.
- Hanging operator panel.
- Automatic and semi-automatic reel handling.
- The main motor can be run with constant torque or controlled dancer or accumulator.
- Portal take up and pay off are already occupied with the latest generation AC Drive Technology.

TTU/TPO	REEL WEIGHT (ton)								
	3	5	10	12	15	20	25	30	50
REEL DIAMETER (mm)									
1200	✓								
1600		✓							
1800		✓	✓						
2000			✓	✓					
2200			✓	✓	✓				
2600			✓	✓	✓				
3000					✓	✓			
3200					✓	✓	✓		
3600						✓	✓	✓	
4000						✓	✓	✓	
5000									✓

- Special designs according to your requirements on request
- Please contact us with your questions for our advise

GANTRY TYPE

TAKE-UP & PAY-OFF



TECHNICAL SPECIFICATIONS

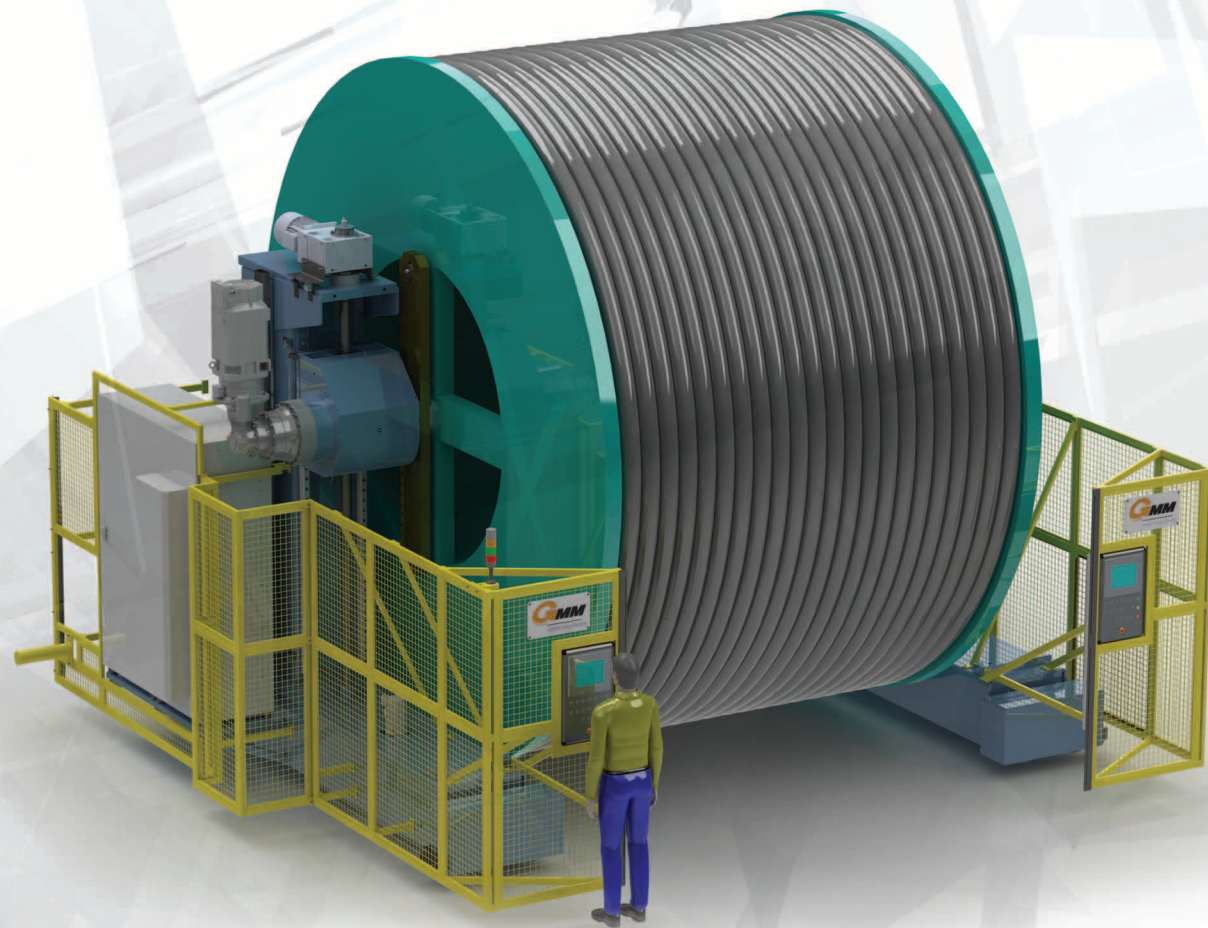
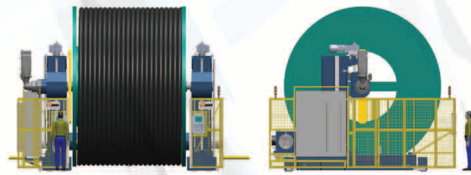
- Working zone (safety zone) limited by fence and light barrier.
- Reel diameter range of up to 5000 mm.
- Reel weight range up to 60 tons.
- Traversing from overhead beam.
- Hanging operator panel.
- Automatic and semi-automatic reel handling.
- The main motor can be run with constant torque or controlled dancer or accumulator.
- Gantry take up and pay off are already occupied with the latest generation AC Drive Technology.

GTU/GPO	REEL WEIGHT (ton)													
	3	5	10	12	15	20	25	30	35	40	45	50	60	
REEL DIAMETER (mm)														
1600	✓	✓												
2000	✓	✓												
2200	✓	✓												
2600			✓	✓	✓	✓								
3000					✓	✓	✓	✓						
3200					✓	✓	✓	✓						
3600						✓	✓	✓	✓	✓				
4000						✓	✓	✓	✓	✓	✓			
4500							✓	✓	✓	✓	✓	✓		
5000								✓	✓	✓	✓	✓	✓	✓

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COLUMN TYPE

TAKE-UP & PAY-OFF



TECHNICAL SPECIFICATIONS

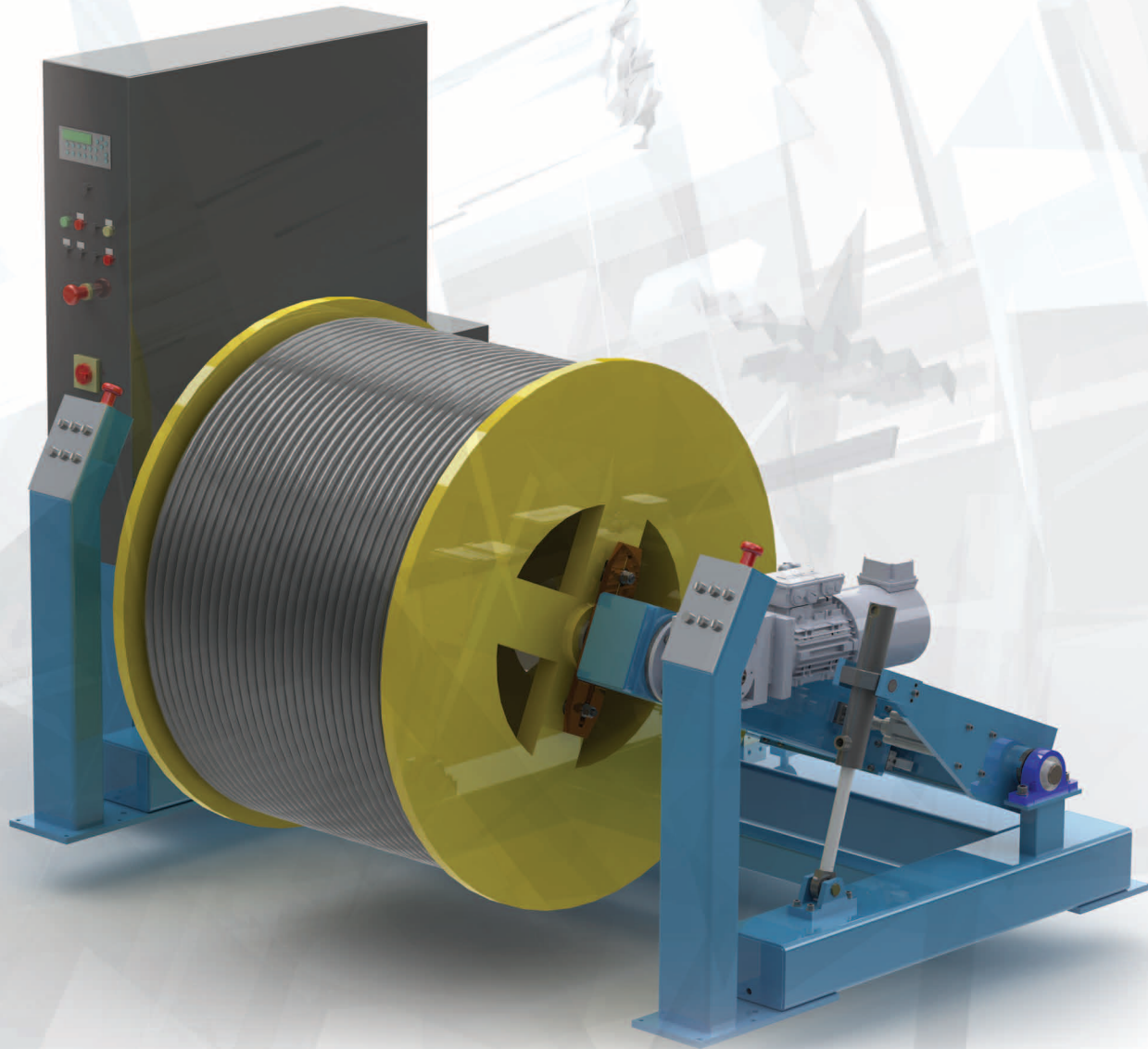
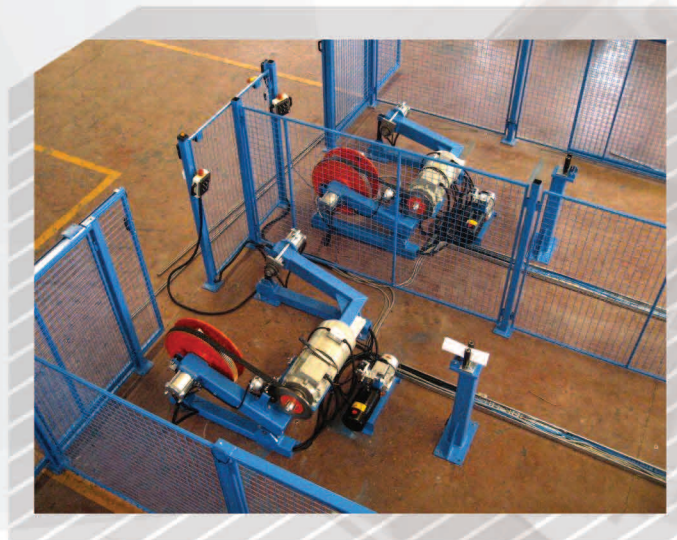
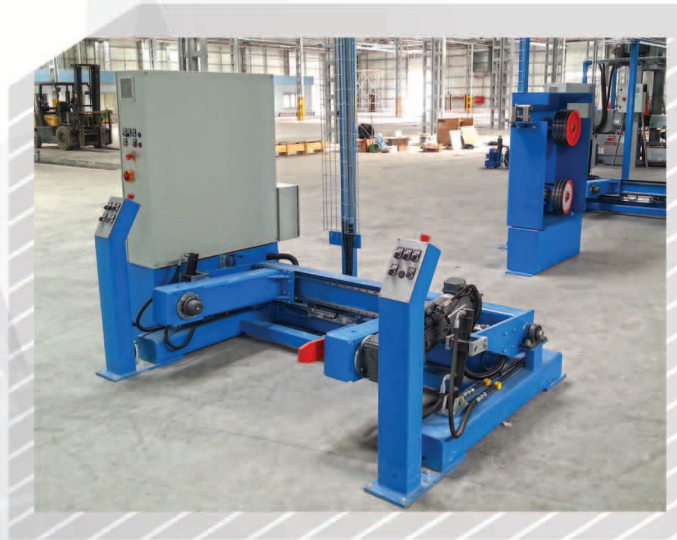
- Working zone (safety zone) limited by fence and light barrier.
- Reel diameter range of up to 5000 mm.
- Reel weight range up to 60 tons.
- Traversing from overhead beam.
- Hanging operator panel.
- Automatic and semi-automatic reel handling.
- The main motor can be run with constant torque or controlled dancer or accumulator.
- Column take up and pay off are already occupied with the latest generation AC Drive Technology.

CTU/CPO	REEL WEIGHT (ton)											
	10	12	15	20	25	30	35	40	45	50	60	
REEL DIAMETER (mm)												
2600	✓	✓	✓	✓								
3000			✓	✓	✓	✓						
3200			✓	✓	✓	✓						
3600				✓	✓	✓	✓	✓				
4000				✓	✓	✓	✓	✓	✓			
4500					✓	✓	✓	✓	✓	✓		
5000						✓	✓	✓	✓	✓	✓	

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CANTILEVER TYPE

TAKE-UP & PAY-OFF

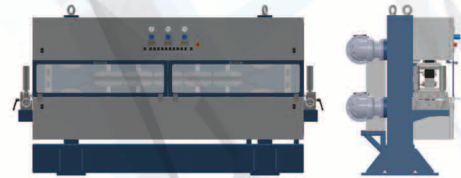


TECHNICAL SPECIFICATIONS

- Hydraulic cylinders are used for lifting drum.
- Pneumatic cylinders are used for moving pintle horizontal.
- Independent traversing unit is used for traversing.
- Pneumatic disc brake is used for fast stop.
- Easily loading of drum.
- Ergonomical designed operator panel.
- AC motor is used for main drive
Optionally AC servo motor is used for traversing movement.

CPO		REEL WEIGHT (ton)			
		0,5	1	2	3
REEL DIAMETER (mm)	630	✓			
	800	✓	✓		
	1200		✓	✓	
	1600		✓	✓	
	2000			✓	✓

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TECHNICAL SPECIFICATIONS

- Gripping length up to 4500 mm.
- Pulling force up to 6 tons.
- Pneumatically controlled positioning of belts.
- Pneumatically controlled tensioning of belts.
- Our Caterpillars are already occupied with the latest generation.
- Ac Drive Technology.
- Prepared for synchronization with existing lines.

Optional Equipment:

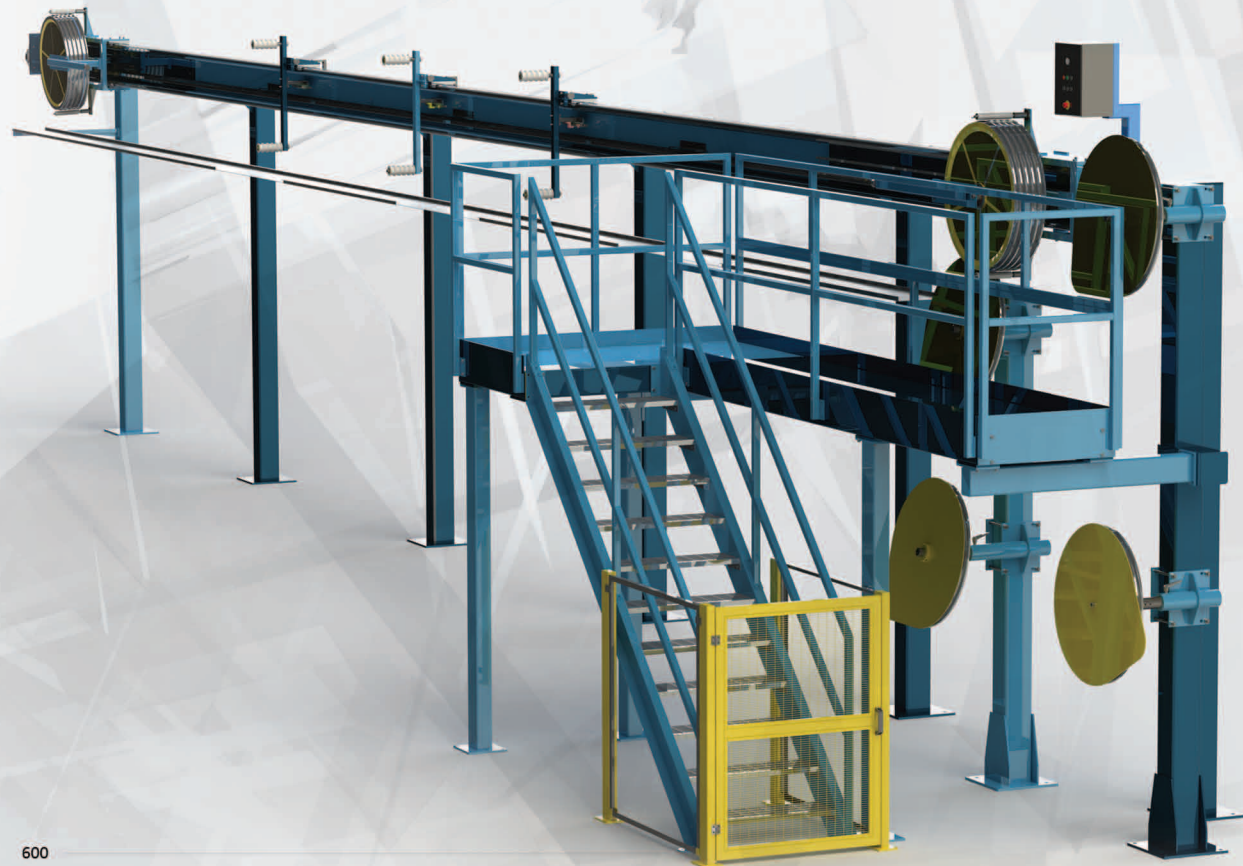
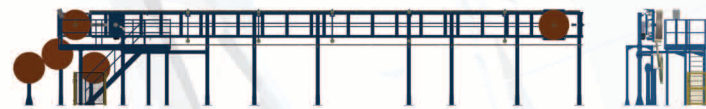
- Length counter.
- Speed indicator.
- Force indicator.
- Centre height according to customer's request.
- Belt surfaces according to customer's request.
- Colours according to customer's request.



CATERPILLAR	CONTACT LENGTH (mm)	max PULLING FORCE (daN)	max LINEAR SPEED (m/min)	max CABLE DIAMETER (mm)
CA 500	500	200	200	30
CA 800	800	500	400	80
CA 1200	1200	800	400	180
CA 1500	1500	1200	150	180
CA 1800	1800	1600	1500	180
CA 2100	2100	2400	100	180
CA 2400	2400	3000	100	180
CA 3000	3000	4000	50	200
CA 4200	4200	5000	50	200
CA 4500	4500	6000	50	200

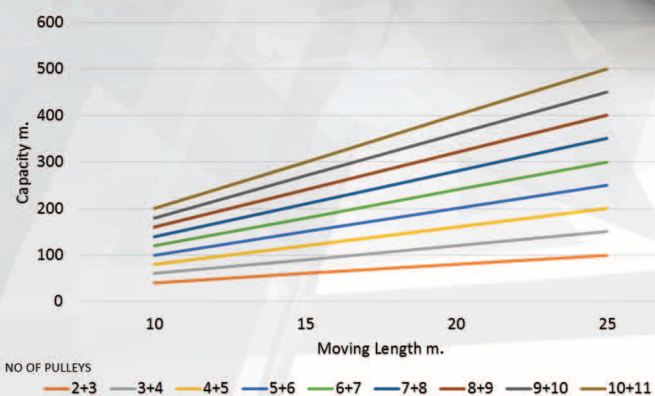
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ACCUMULATOR



TECHNICAL SPECIFICATIONS

- Working modes:
 - Speed mode, dancer controlled.
 - Torque mode, tension control.
- The ACH series accumulators are installed above the cooling trough.
- Uninterrupted bobbin change while run is running.
- The ACH series accumulators easily adapted to all kind of extrusion line.
- Constant tension while run is running or bobbin change process.
- Low inertia pulleys allows negligible tension effect on the cable.
- When dancer function is enabled, low friction pneumatic cylinder is used to work in sensible range.
- The accumulation carriage is controlled by AC motor.
- The accumulation carriage position is measurement in mm precision and limits are controlled by limit switches.
- The dancer pulleys position is measured by analog sensors and limits are controlled by limit switches.
- The operator platform is delivered with the ACH accumulator.



ACCUMULATOR	WHEEL DIAMETER (mm)	TENSION RANGE (N)	CABLE DIAMETER (mm)	TORQUE MODE	DANCER MODE
ACH 600	600	20-400	15	X	X
ACH 800	800	35-500	30	X	X
ACH 1000	1000	40-599	40	X	X
ACH 1200	1200	40-600	50	X	X
ACH 1500	1500	40-800	50	X	X

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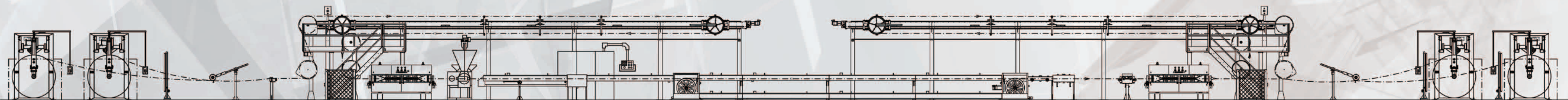
EXTRUSION LINES

POWER CABLES

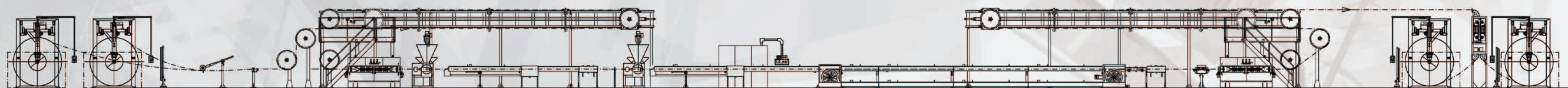
GE-20



GE-40



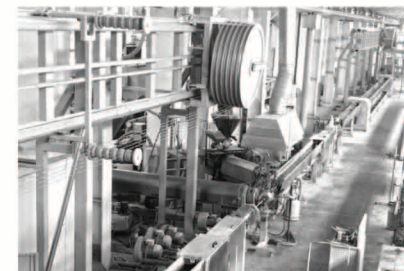
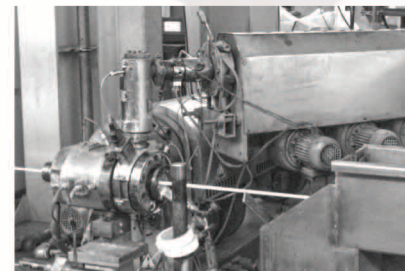
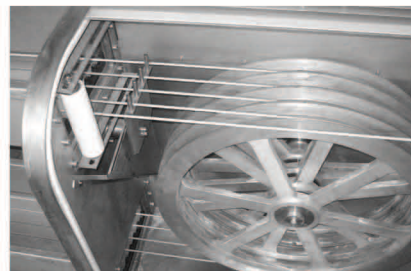
GE-50



GE-60



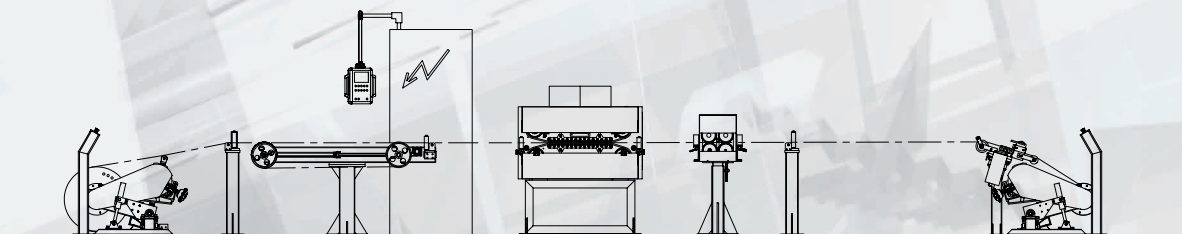
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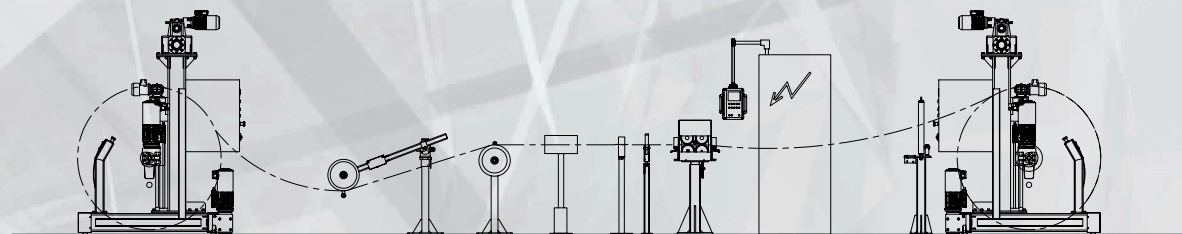
REWINDING LINES

POWER & CONTROL CABLES

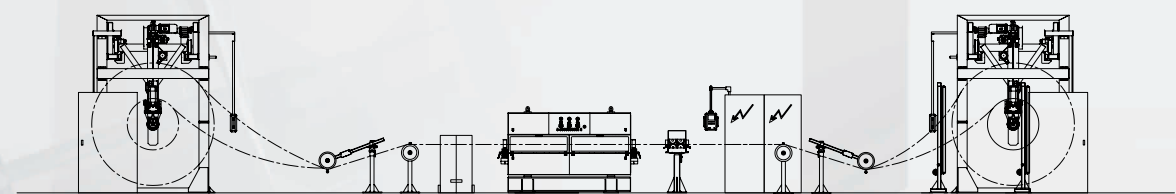
GR-15



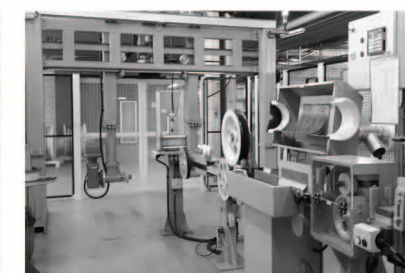
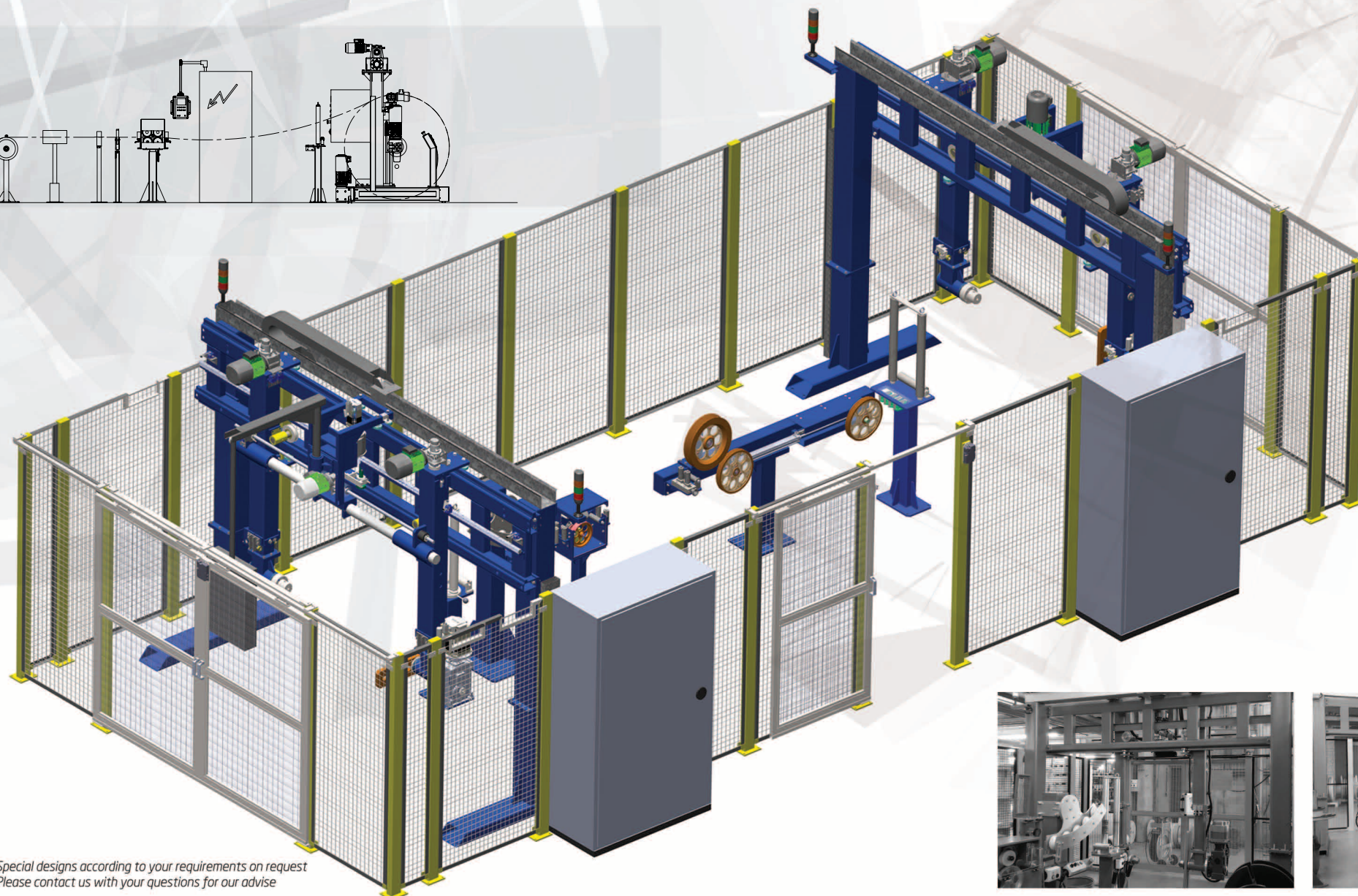
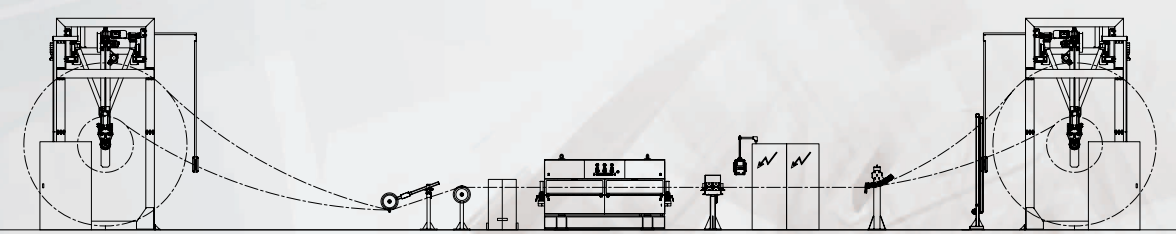
GR-35



GR-85



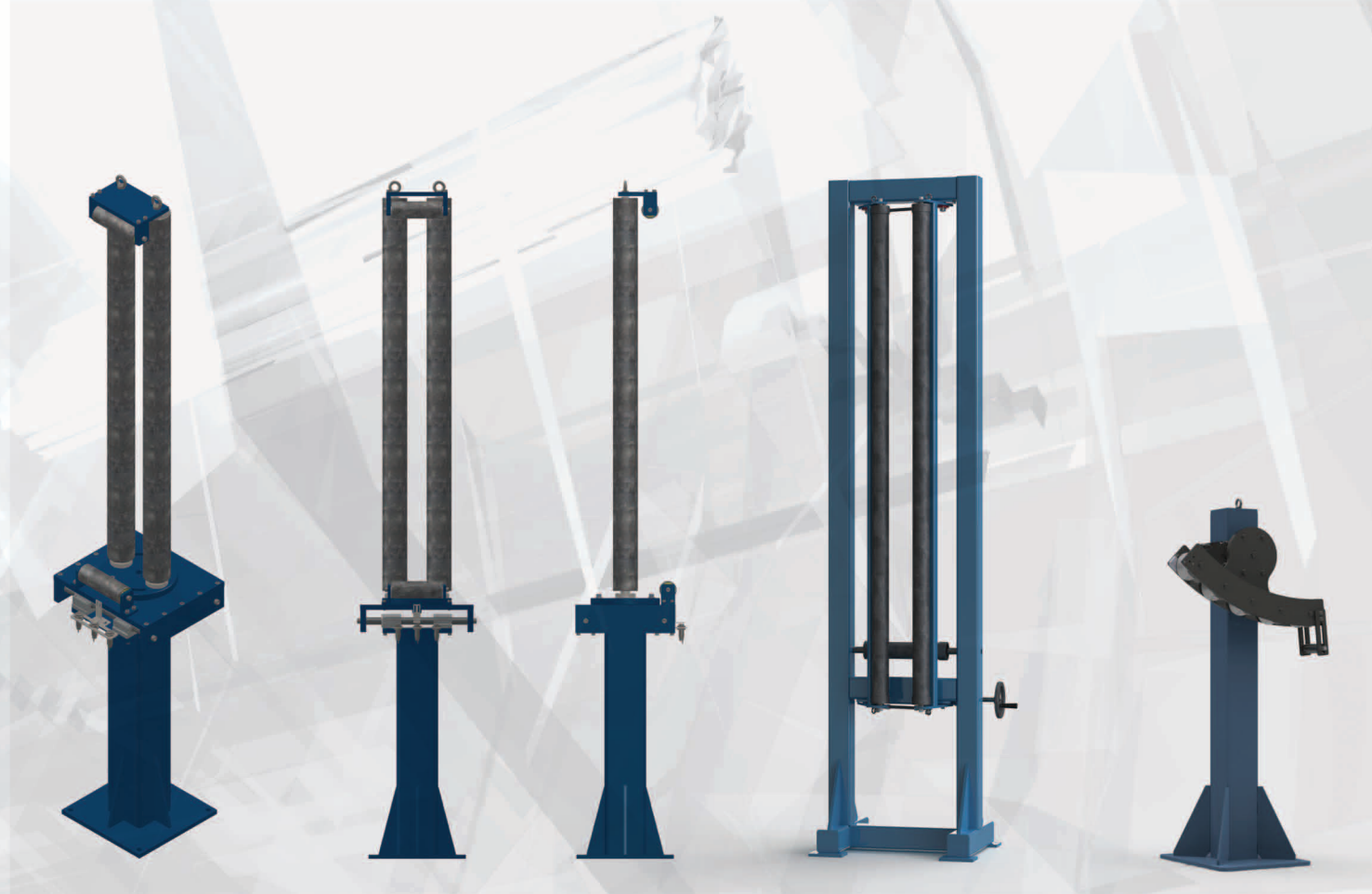
GR-120



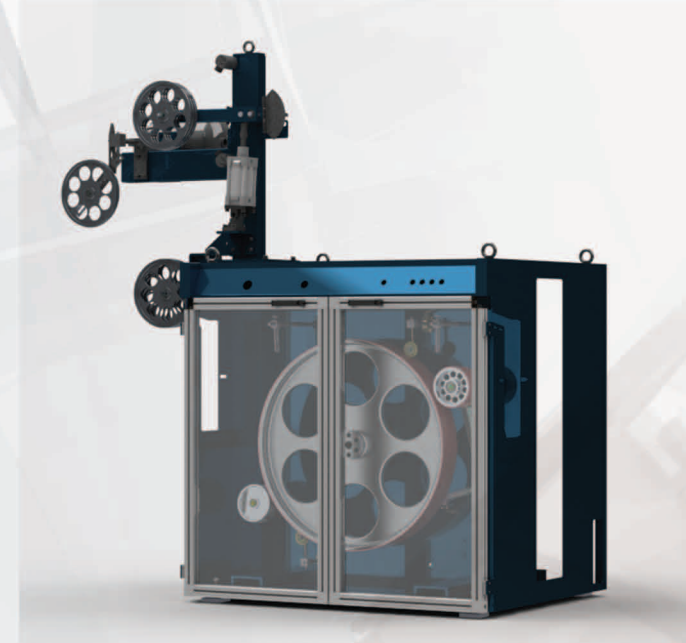
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INDIVIDUAL EQUIPMENT

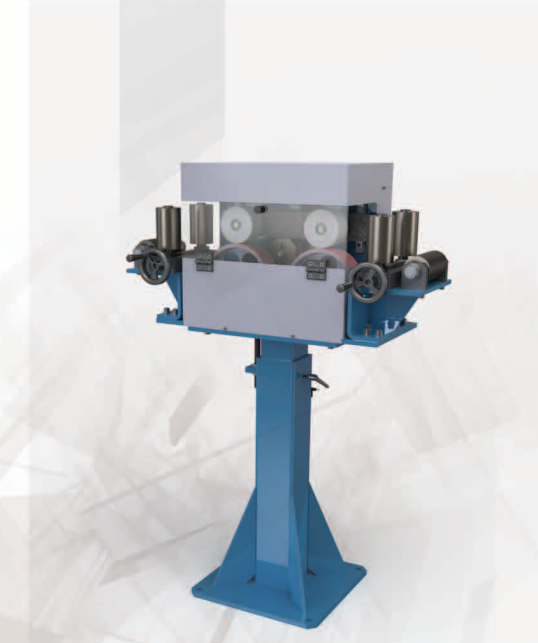
GUIDING ROLLER



CAPSTAN



METER COUNTER



DANCER-HORIZONTAL



DANCER-ARM



VERTICAL ACCUMULATOR DANCER

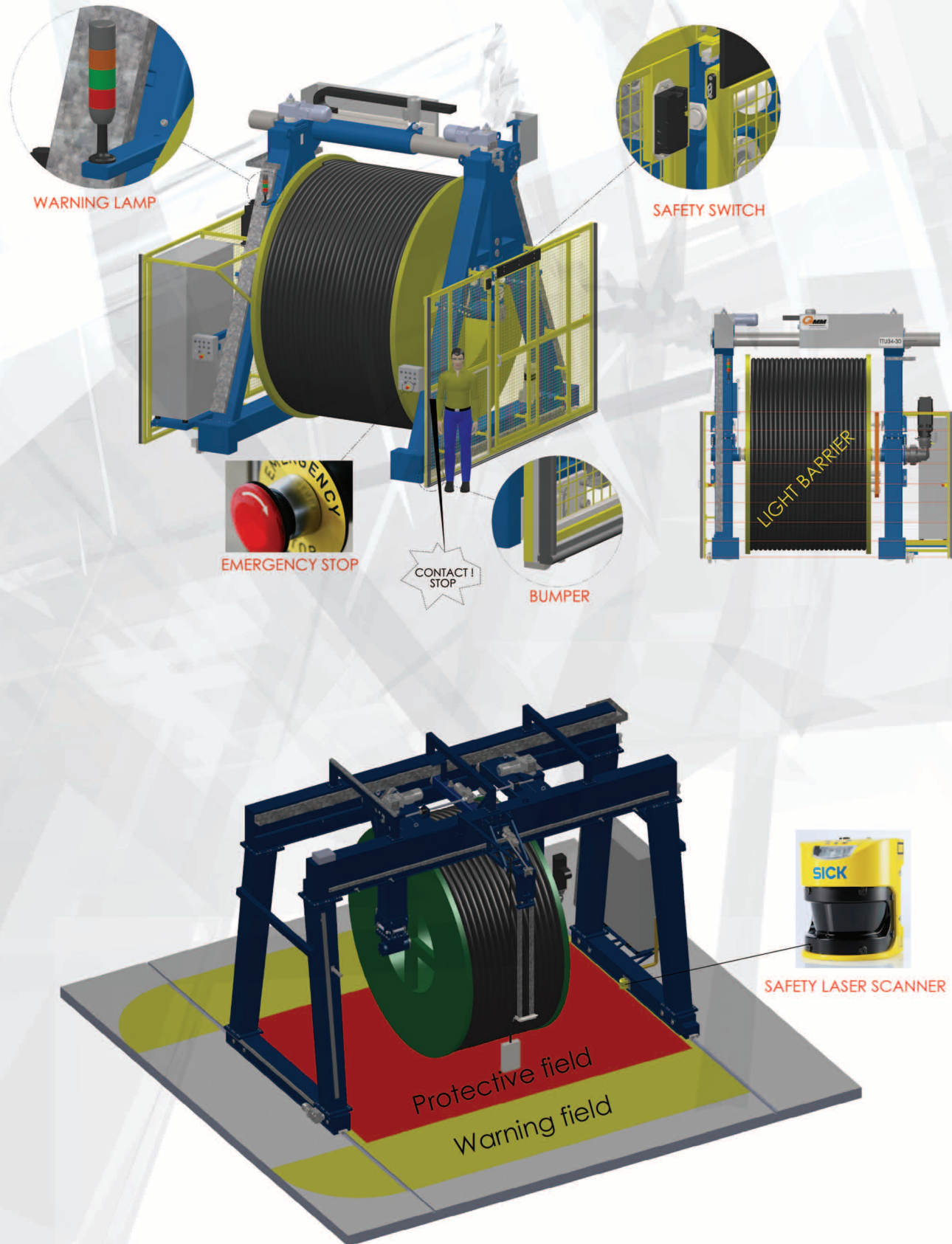


VERTICAL DANCER



ADVANCING & CUTTING UNIT





LC50

LC50 line control system provides user following advantages



- S7 1200 – Siemens Platform
- Ethernet interface
- Limited Graph functions, 3.6" screen size
- Entering and displaying machine parameters
- Parameter input by key buttons
- Basic Alarm Management
- Basic Recipe Management
- Remote Service - option

LC100

LC100 line control system provides user following advantages



- S7 300 / S7 1500 – Siemens Platform
- Ethernet interface
- Graphic user interface, touch screen ≥ 10 "
- Entering and displaying machine parameters
- Parameter input by key buttons or touch screen
- Extended Alarm Management
- Extended Recipe Management
- Remote Service – option
- Basic Real time trend

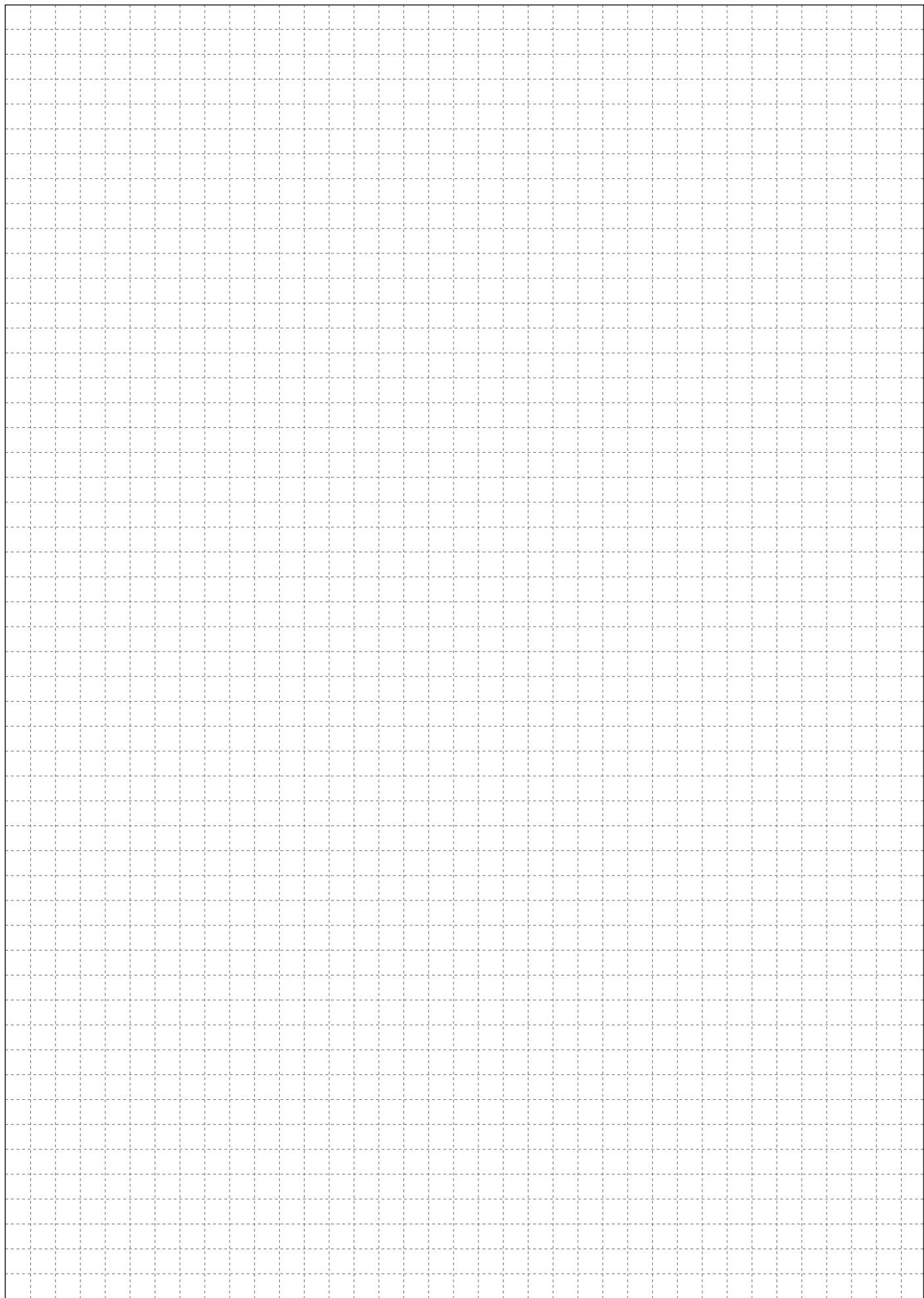
LC100 line control system provides user following advantages

LC500

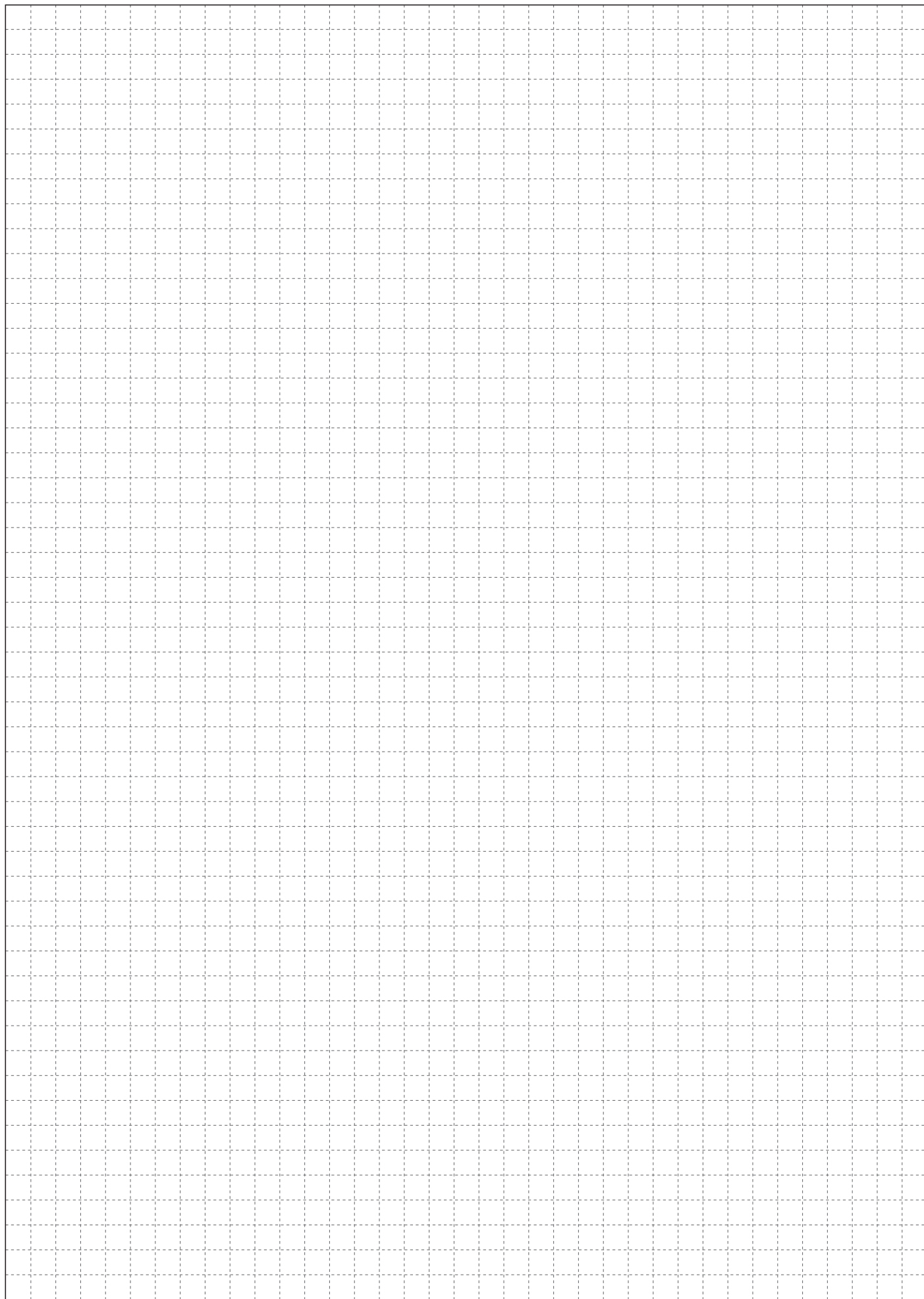


- S7 300 / S7 1500 – Siemens Platform
- Server / Client configuration
- Ethernet interface
- PC Based control system
- Extended graphic user interface, touch screen ≥ 15 "
- Entering and displaying machine parameters
- Parameter input by key buttons or touch screen
- Extended Alarm Management
- Extended Recipe Management
- Remote Desktop connection
- Extended real time / historical trend
- Printer / barcode connection
- Data analysing
- Data export to office software's

note... 



note... 



Güven Makina Mühendislik San. Tic. Ltd. Şti.

O.S.B 18.Cad. No:18 38070 KAYSERİ / TÜRKİYE

T: +90 352 321 28 22 F: +90 352 321 28 23

www.gmm.com.tr info@gmm.com.tr