www.gmm.com.tr

GMM
cable machinery

EXPANDING IN PROCESS

Strengthening our global presence with strategic investments and expanding partnerships across continents

ABOUT US

Güven Mühendislik Makina Kimya ve Elektronik AS (GMM) established in 2000 is one of the leading machinery manufacturers in Turkey. Founded by three engineers with a combined experience of over 30 years, GMM has become a well-known company in machinery industry in Europe, Africa and Asia.The production is performed at fully integrated plant with total floor space of 20.000 m² and site area of 12.000 m² with the latest technologies and using most advanced machinery. Our quality standards are supported by the most experienced staff and GMM is certified by ISO 9001, ISO 14001 and OHSAS 18001.

20.000 m² total production area

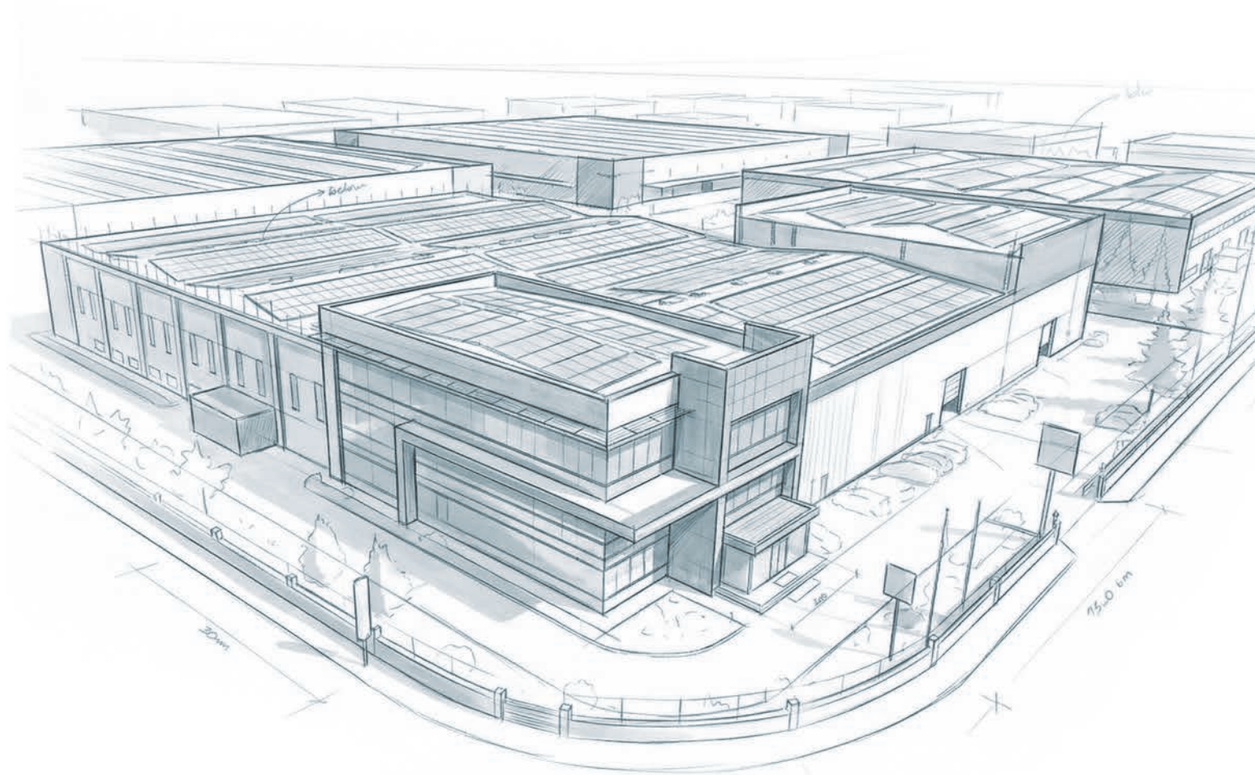
fully integrated production facility

more than 30 years of experience

exporting more than 30 countries

For a greener world, explore our catalog online.

Great Works Require Great Engineering



Our Journey.

A Journey Shaped by Engineering

GMM was founded with the purpose of developing industrial manufacturing solutions based on a discipline-centered engineering approach. From the very beginning, its core focus has been on delivering engineering solutions that ensure strength, stability, and continuity in high-capacity systems.

Today, GMM continues its journey as a structure that manages all processes from design to production through its own engineering infrastructure, developing reliable, long-lasting, and performance-driven systems at industrial scale.

How We Think!

Systems Shaped by Engineering

At GMM, every project is approached as an engineering problem to be solved. With a clear understanding that complexity increases as scale grows, each system is developed through detailed calculations, rigorous testing, and real-world field experience.

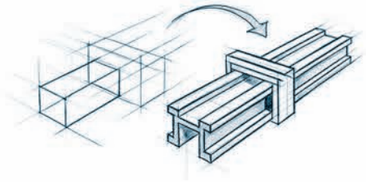
Beyond addressing today's requirements, the design process also considers long-term operation, continuity, and maintenance efficiency. This mindset forms the foundation of GMM engineering.

What We Do Differently.

An R&D-Driven Engineering Approach

Research and development are an integral part of GMM's engineering culture. Every system is refined through simulations, prototype studies, and continuous improvement processes.

As a result, GMM solutions are not only technically robust, but also manufacturable, sustainable, and proven in real industrial environments.

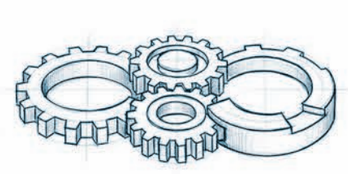


How We Bring It to Life.

Controlled Production at Industrial Scale

GMM's manufacturing infrastructure is structured to translate engineering designs into reality with precision and consistency. Every stage of production progresses with a strong focus on measurement, control, and quality.

This discipline ensures balance, durability, and continuity even in large-scale systems. As a result, every machine reflects a level of manufacturing quality validated by engineering calculations.



What We Commit To

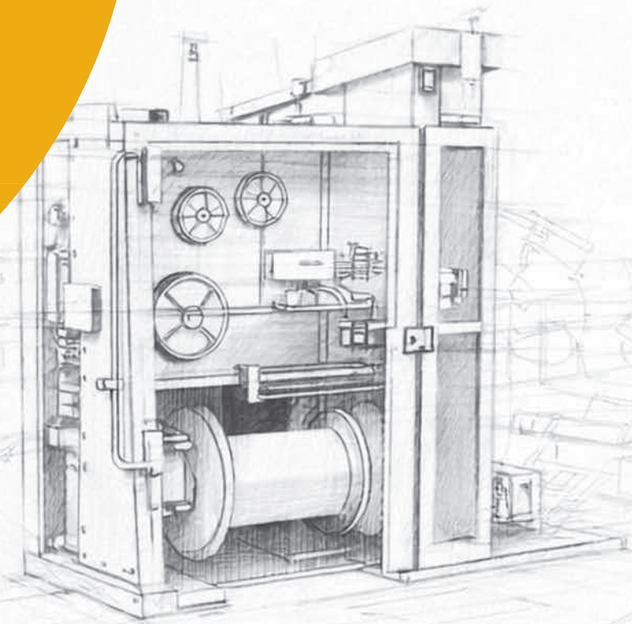
A Commitment to Long-Term Performance

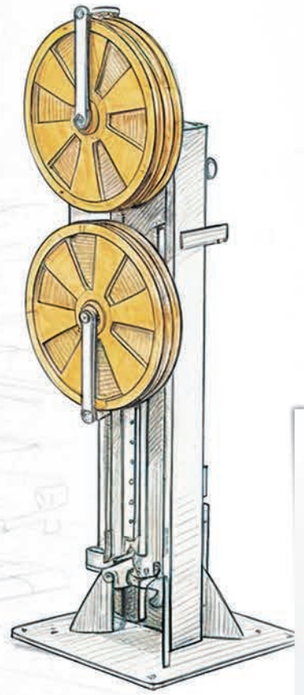
At GMM, engineering is not only about building machines, but about ensuring reliable performance over time. Every system is developed with durability, precision, and operational stability at its core.

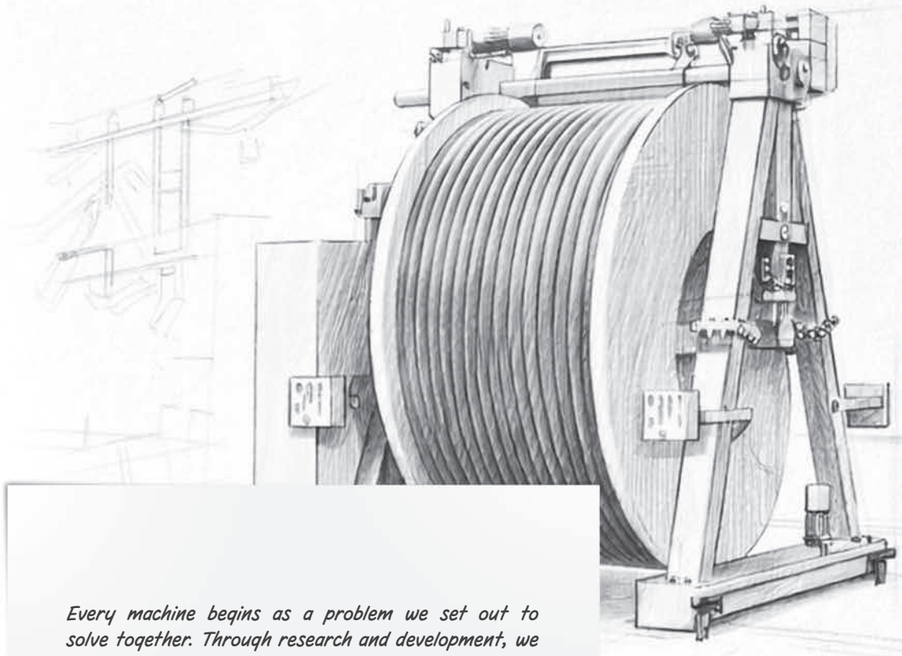
From design to production, each component is engineered to withstand demanding industrial conditions, delivering consistent performance and long-term reliability in large-scale manufacturing environments.

R&D Engineering

Every design decision we make is guided by research, testing, and engineering logic. As a team, we focus on performance, reliability, and long-term industrial value.



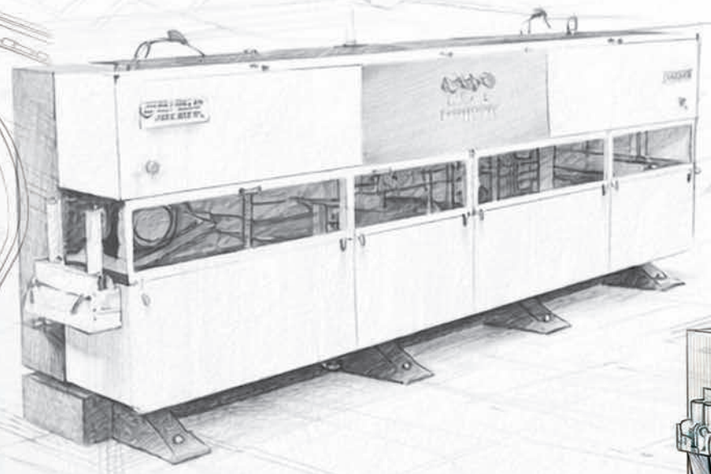


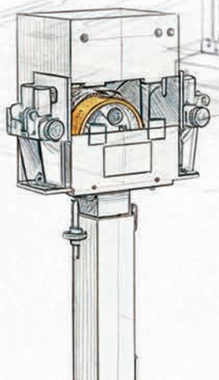


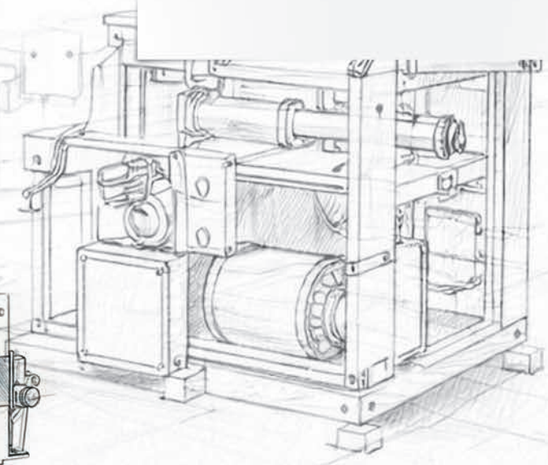
Every machine begins as a problem we set out to solve together. Through research and development, we transform initial concepts into functional mechanical systems by testing, refining, and validating each solution step by step.

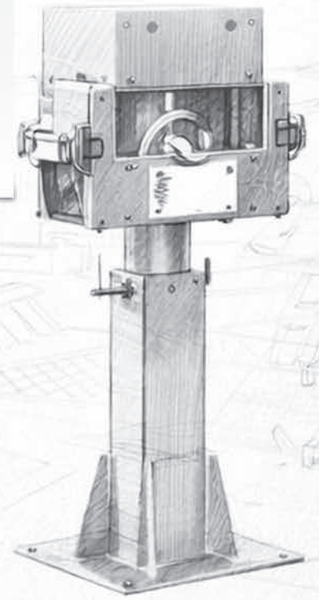
From detailed drawings to production-ready designs, we continuously evaluate efficiency, durability, and performance. Supported by advanced manufacturing technologies, our engineering process ensures that every idea becomes a precise, reliable machine built for real industrial conditions.

The GMM Engineering Team









Strength, stability,
and continuity at industrial scale.

GREAT WORKS
GREAT ENGINEERING

Our Machines & Engineering Solutions

Individual Machines

- Pay-off & Take-ups
- Caterpillars
- Extruders
- Accumulators
- Cooling Troughs
- Multipass Troughs
- Belt Type Capstans
- Jelly Filling Units
- Line Control Systems
- Auxiliary Equipment
- Dancers
- Double Reelers
- Single Wheel Capstans
- Double Wheel Capstans
- Barrel Packers
- Binders
- Stripping Units
- Cutting Units
- Coil Winders

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

PORTAL A–TYPE | TAKE UP & PAY OFF

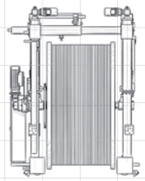
GMM's frame-free walk-through machine allows drums to be rolled from either side for effortless loading. Engineered for efficiency, the system picks up reels directly from the floor semi-automatically, eliminating the need for external lifting equipment. The entire unit operates on embedded motor-driven rails, providing flexibility to move a single column or the complete assembly for perfect alignment and traversing.

Lifting and lowering are managed by dual AC brake motors driving precision nut screws on extensible arms. Once positioned, the reel is securely locked by an AC motor equipped with an adjustable torque limiter. The drive system utilizes two forced-ventilation motors, supporting operation via constant torque, dancer control, or accumulator integration.

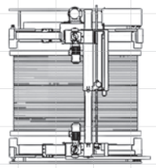
To maintain product integrity, this traversing Take-Up moves on a raised platform or an embedded structure, ensuring precise winding without lateral deflection. The integrated electrical panel is powered via flexible cabling to maintain mobility.

Safety Solutions	Options
Protection fence	Tire driven
Safety touch bumper	Double driven arm
Light barriers	V shape plate for centering the reel
Laser scanner	Pendulum pintle

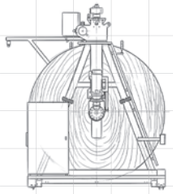
PORTAL A–TYPE



FRONT VIEW

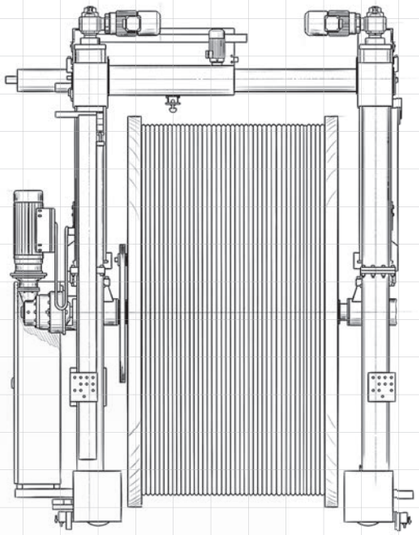


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

REEL DIAMETER (mm)	TTU / TPO	REEL WEIGHT (ton)										
		10	12	15	20	25	30	40	50	60	90	100
	2000	✓	✓									
	2200	✓	✓	✓								
	2600	✓	✓	✓								
	3000			✓	✓							
	3200				✓	✓						
	3600				✓	✓	✓					
	4000				✓	✓	✓	✓	✓	✓		
	4500							✓	✓	✓		
	5000							✓	✓	✓	✓	✓

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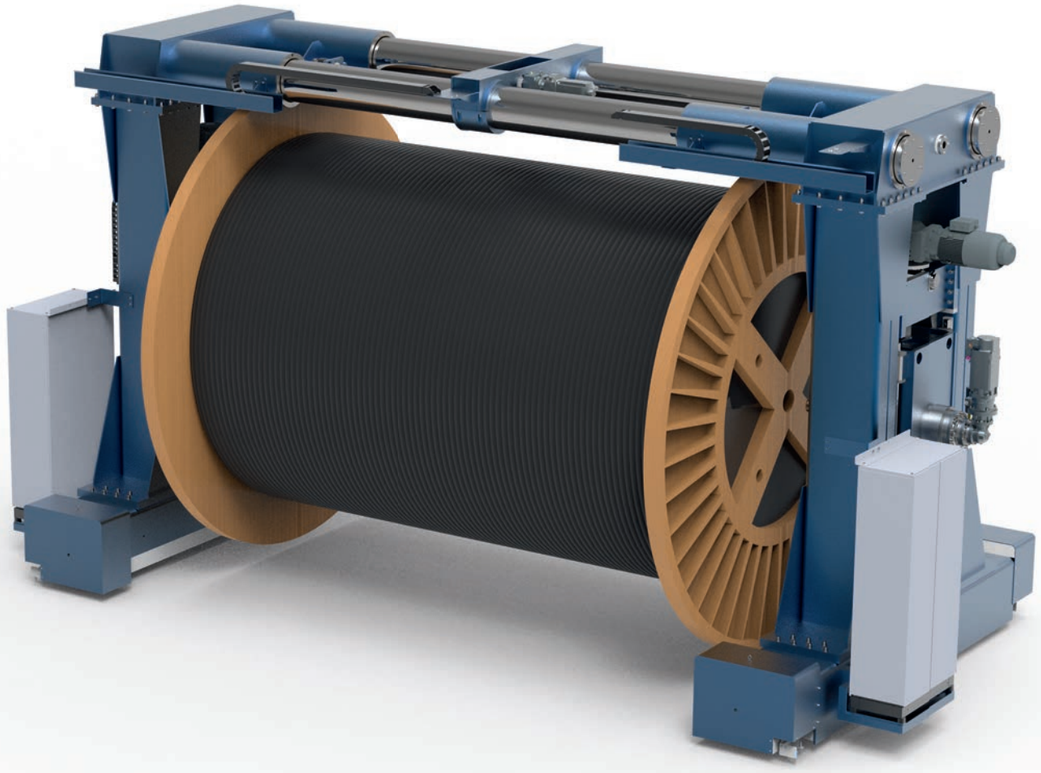


PORTAL L–TYPE

TAKE UP
& PAY OFF

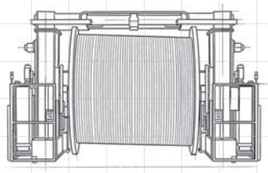
GMM's frame-free walk-through machine allows drums to be rolled from either side for effortless loading. Engineered for efficiency, the system picks up reels directly from the floor semi-automatically, eliminating the need for external lifting equipment. The entire unit operates on embedded motor-driven rails, providing flexibility to move a single column or the complete assembly for perfect alignment and traversing.

Lifting and lowering are managed by dual AC brake motors driving precision nut screws on extensible arms. Once positioned, the reel is securely locked by an AC motor equipped with an adjustable torque limiter. The drive system utilizes two forced-ventilation motors, supporting operation via constant torque, dancer control, or accumulator integration.

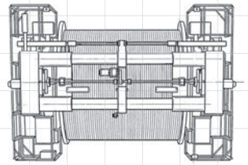
To maintain product integrity, this traversing Take-Up moves on a raised platform or an embedded structure, ensuring precise winding without lateral deflection. The integrated electrical panel is powered via flexible cabling to maintain mobility.

Safety Solutions	Options
Protection fence	Tire driven
Safety touch bumper	Double driven arm
Light barriers	V shape plate for centering the reel
Laser scanner	Pendulum pintle

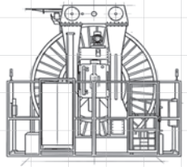
PORTAL L–TYPE



FRONT VIEW

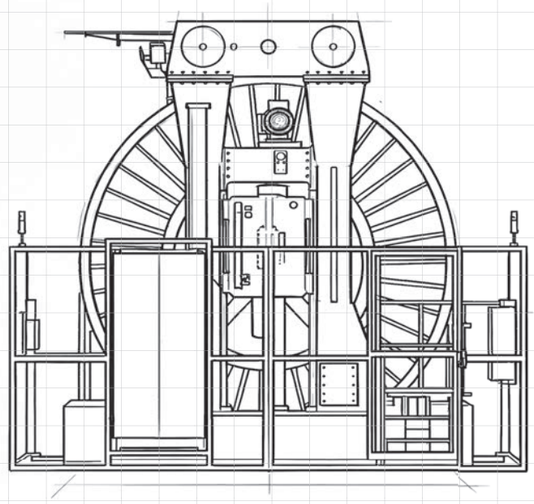


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

REEL DIAMETER (mm) \ TTU / TPO	REEL WEIGHT (ton) 1	3	5	10	12	15	20	25	30	40	50	60	90	100
1250	✓	✓												
1600		✓	✓											
1800				✓										
2000				✓	✓									
2200				✓	✓	✓								
2600				✓	✓	✓								
3000						✓	✓							
3200							✓	✓						
3600							✓	✓	✓					
4000							✓	✓	✓	✓	✓	✓		
4500										✓	✓	✓		
5000										✓	✓	✓	✓	✓

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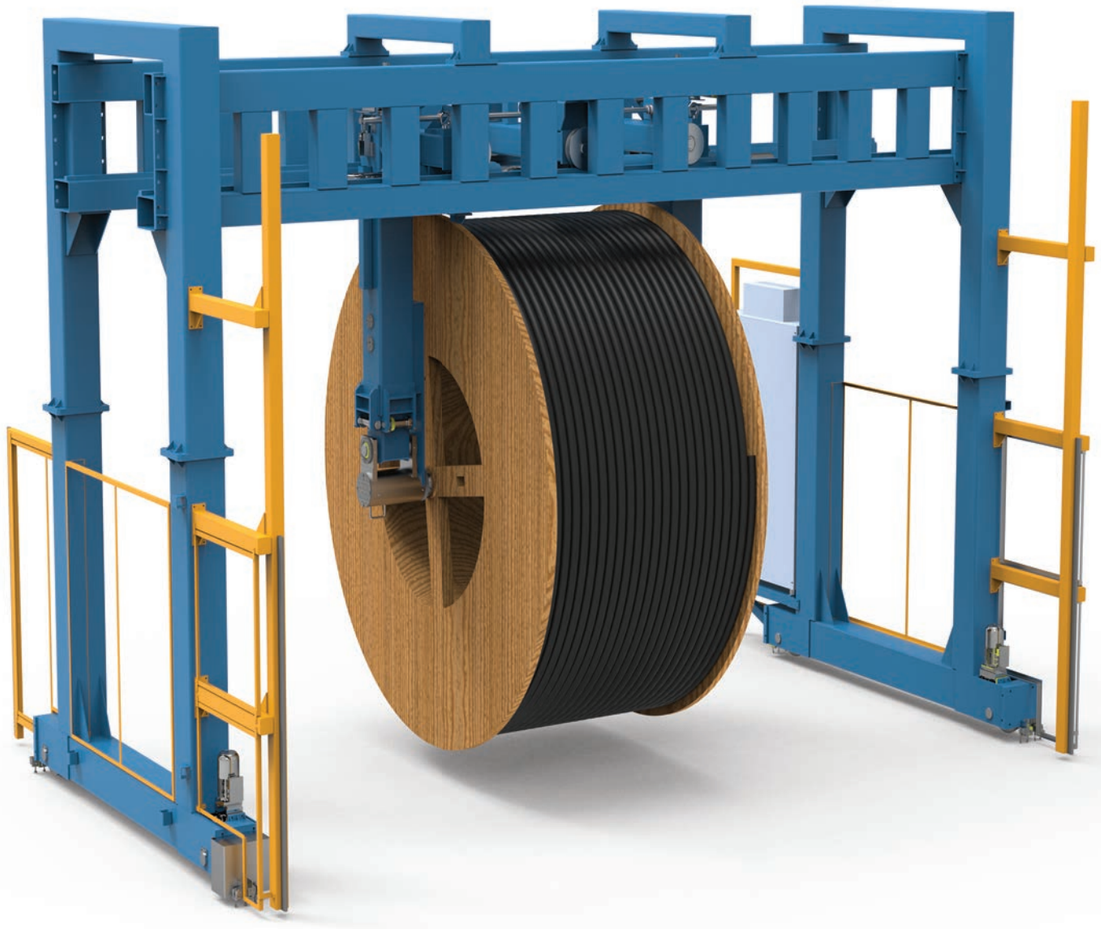


GANTRY TYPE

TAKE UP
& PAY OFF

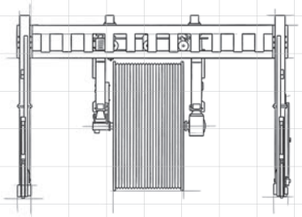
Featuring a modular design, GMM Gantry type Take Ups and Pay Offs offer easy adaptation for diverse winding and unwinding requirements. The system utilizes an overhead frame consisting of two stands connected by horizontal beams. The carriage includes extensible arms with pintles that pick-up reels directly from the floor. These arms are raised and lowered via precision nut screws, each driven by an AC brake motor for reliable and accurate positioning.

The reel is securely locked by translating the arms using an AC motor equipped with an adjustable torque limiter. A dog pin drive, powered by an AC motor, supports operation via torque mode, dancer, or accumulator control.

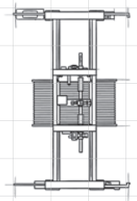
For precise movement, the traversing carriage employs a pinion and rack gear system, ensuring positive traction unaffected by mechanical obstructions on the floor. Control is managed through a machine-mounted cabinet and a floor-fixed operator panel with HMI.

Safety Solutions	Options
Protection fence	Tire driven
Light barriers	Double driven arm
Laser scanner	V shape plate for centering the reel
	Pendulum pintle

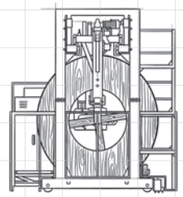
GANTRY TYPE



FRONT VIEW

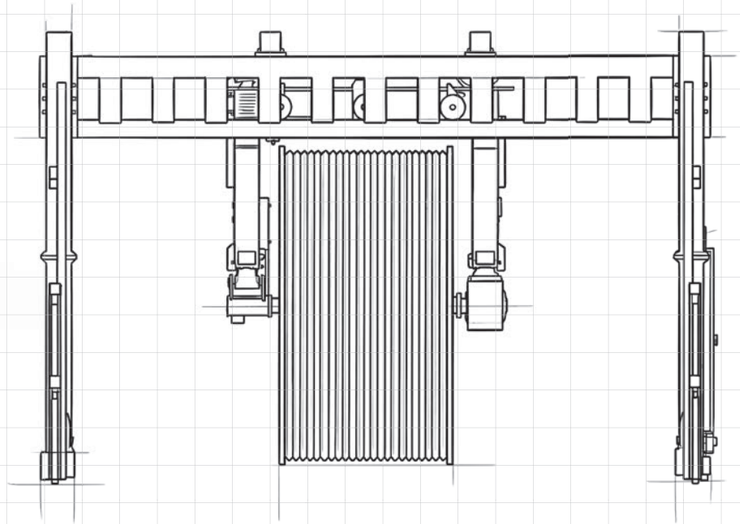


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

REEL DIAMETER (mm) \ GTU / GPO	REEL WEIGHT (ton)												
	3	5	10	12	15	20	25	30	40	50	60	90	100
1600	✓	✓											
2000	✓	✓											
2200	✓	✓											
2600			✓	✓	✓	✓							
3000					✓	✓	✓	✓					
3200					✓	✓	✓	✓					
3600						✓	✓	✓	✓				
4000						✓	✓	✓	✓				
4500							✓	✓	✓	✓	✓		
5000								✓	✓	✓	✓	✓	✓

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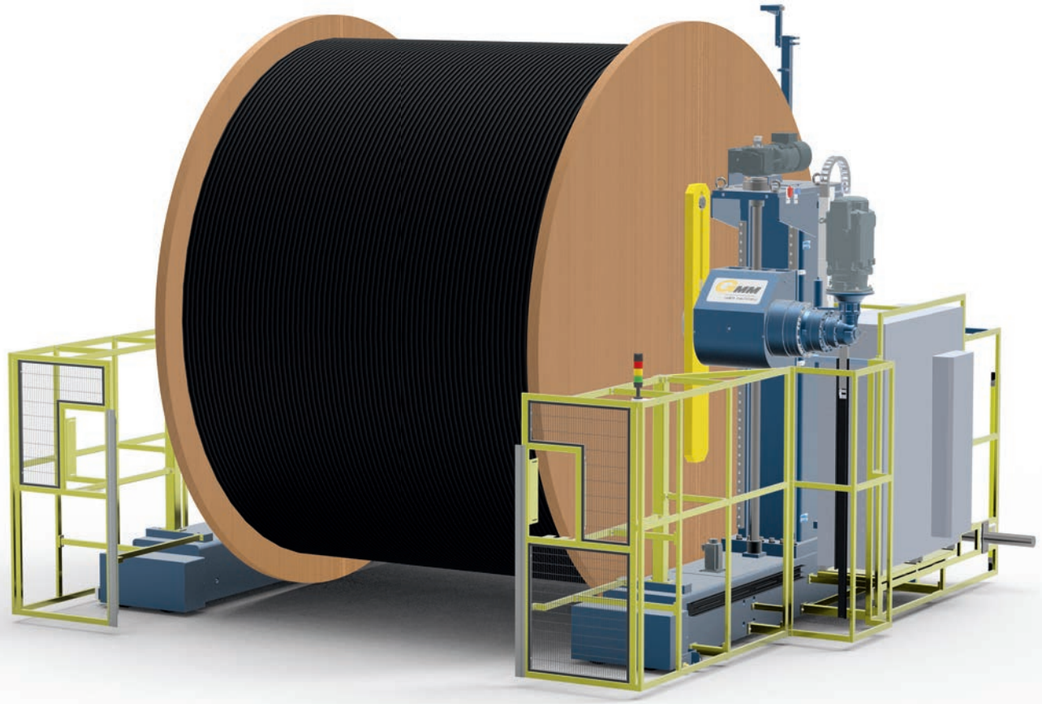


COLUMN TYPE

TAKE UP & PAY OFF

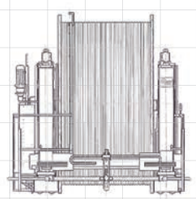
GMM's Column Type pay off and take up features a specialized design where the main beam is positioned opposite the loading side, allowing for efficient single-sided drum access. Engineered for versatility, it functions as both a pay-off and take-up, supporting unwinding from either the top or bottom side. The system picks up drums directly from the floor, eliminating the need for external lifting equipment.

Lateral movement and lifting are driven by AC motors on embedded rails, providing the flexibility to displace a single column or the entire unit. Both the main and traverse motors are frequency-controlled, with synchronization managed via torque or speed-controlled dancers. This traversing design ensures the product is wound or unwound carefully without being laterally deflected during operation.

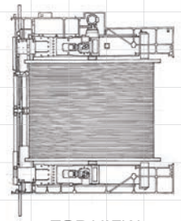
Control is streamlined through a machine-mounted electrical panel and an integrated wireless remote for maximum operational flexibility. The unit provides positive traction on rails supplied with the equipment, ensuring high-performance winding.

Safety Solutions	Options
Protection fence	Double driven arm
Light barriers	V shape plate for centering the reel
Laser scanner	Pendulum pintle

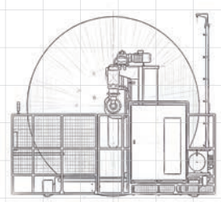
COLUMN TYPE



FRONT VIEW

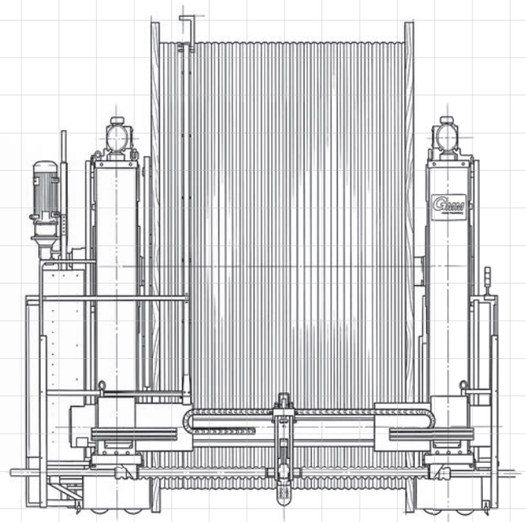


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

REEL DIAMETER (mm) \ CTU / GPO	REEL WEIGHT (ton) 3	5	10	12	15	20	25	30	40	50	60	90	100
1600	✓	✓											
2000	✓	✓											
2200	✓	✓											
2600			✓	✓	✓	✓							
3000					✓	✓	✓	✓					
3200					✓	✓	✓	✓					
3600						✓	✓	✓	✓				
4000						✓	✓	✓	✓				
4500							✓	✓	✓	✓	✓		
5000								✓	✓	✓	✓	✓	✓

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CANTILEVER TYPE

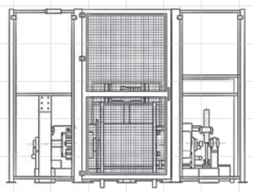
TAKE UP & PAY OFF

Our Cantilever Pay-offs and Take-ups are recognized for their compact and robust design, representing the most space-efficient machine style in the industry due to their low profile. This system utilizes integrated electro-hydraulic cylinders to lift and lower drums directly from the floor, with the hydraulic unit conveniently mounted on the machine frame. The reel is securely locked between pintles by arms actuated by an AC geared motor, ensuring a precise and adjustable grip for various widths.

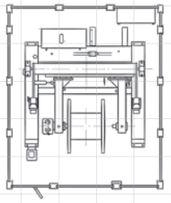
The main winding motion is powered by a high-torque AC motor, while an independent traversing unit ensures organized cable layering. For enhanced safety, pneumatic disc brakes provide rapid stopping capabilities after changeovers. Combining an ergonomically designed operator panel with a simplified loading process, this sturdy welded structure offers a reliable, labor-saving solution for high-performance wire and cable production environments.

Safety Solutions	Options
Protection fence	Cutting unit
Light barriers	Traversing carrier
Laser scanner	V shape plate for centering the reel

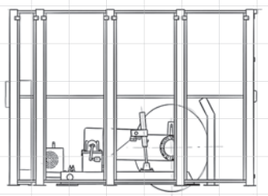
PORTAL L-TYPE



FRONT VIEW

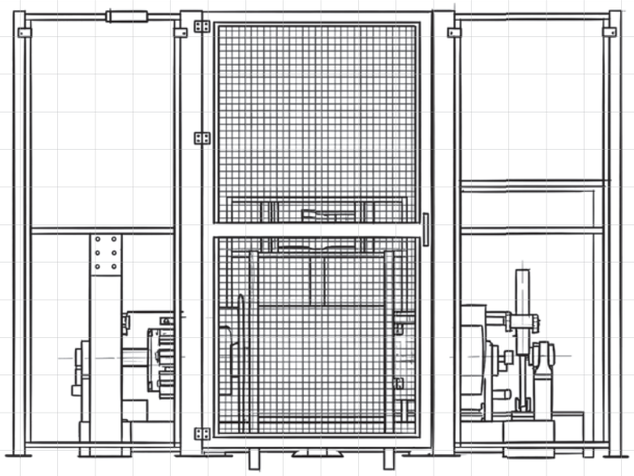


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

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

• Special designs according to your requirements on request
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DUAL TYPE | TAKE UP

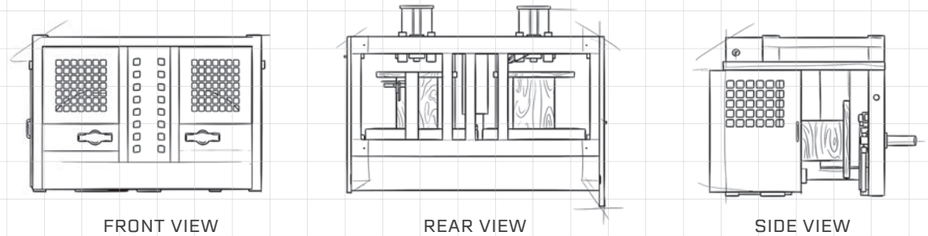
Our automated Dual Take-Up system features a modular design where winding speed is synchronized via a pneumatic dancer. This ensures consistent tension throughout the production cycle. The winding process is powered by high-efficiency AC motors paired with dedicated AC drivers, providing precise torque control. For operational safety, integrated pneumatic disc brakes ensure the reel stops instantly following the change-over process.

The machine includes a sophisticated length-measuring system utilizing a non-contact pulse generator for high accuracy. Operators can easily manage production targets via the length presetting and digital display located on the main control interface. All electrical components are housed in a single, streamlined cabinet, with the entire sequence managed by a centralized PLC for reliable performance. The reel change is automatic and starts automatically after wire change-over but can also be started manually.

In the take-up both reeling locations have separate reel lifting devices. Drum loading/unloading will be manual.

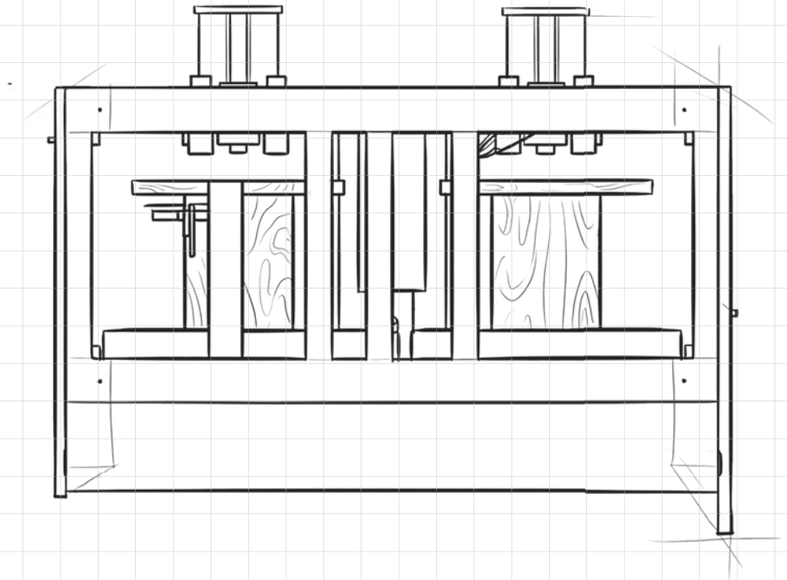
This configuration is optimized for continuous high-speed lines where precision winding and minimal downtime are critical. The combination of pneumatic tensioning and digital length tracking offers a robust solution for diverse cable and wire manufacturing requirements.

DUAL TYPE



FRONT VIEW | REAR VIEW | SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

REEL DIAMETER (mm)	DTU / DPO	REEL WEIGHT (ton)			
		0.5	0.8	1	1.5
	630	✓			
	800	✓			
	1200		✓		
	1600		✓	✓	
	2000			✓	✓

• Special designs according to your requirements on request
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TYPES

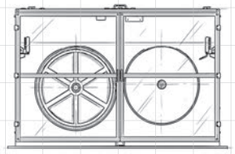
SDTU: Semi-dual Take-up
ADTU: Automatic Dual Take-up

CAPSTAN

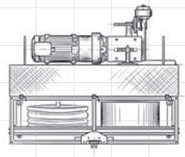
The DWC 800 (Double Wheel Capstan) serves as a critical traction component within cable manufacturing lines, engineered to maintain precise line speeds for both wires and cables. The synchronized speed control is managed via an AC motor. A main electrical cabinet host the drive for the motor and converter.

Unlike single-belt systems, the DWC 800 utilizes a robust mechanical interface where pneumatic cylinders exert controlled pressure to engage the cable between the drive wheels. This setup ensures the necessary pulling force is consistently applied without slippage. Operators manage the system through a dedicated operator panel, which features integrated pressure gauges for fine-tuning the pneumatic clamping force. Furthermore, the pneumatic engagement—specifically the opening and closing of the wheel mechanisms toggled directly from this interface, ensuring streamlined setup and maintenance during production runs.

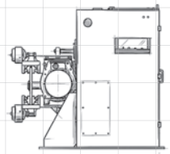
CAPSTAN



FRONT VIEW

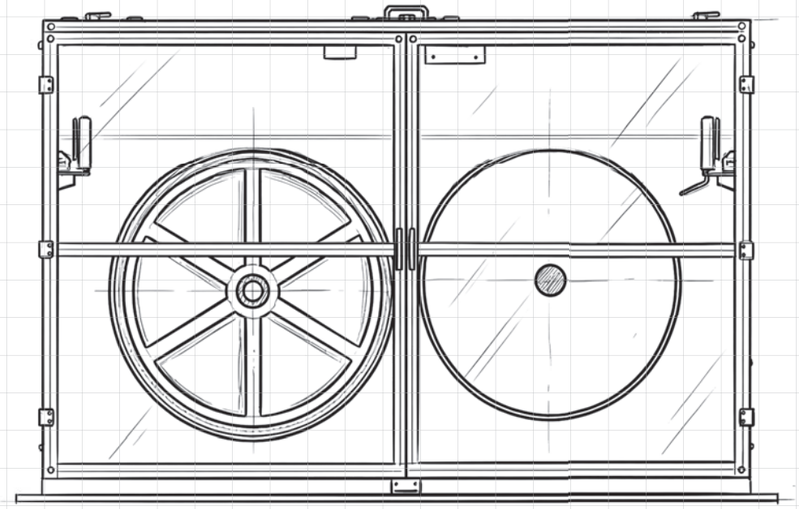


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW

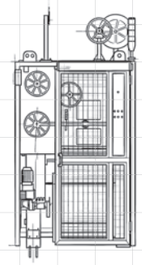


PINTLE TYPE | TAKE UP & PAY OFF

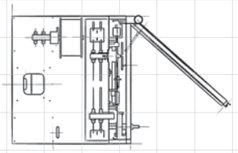
This Single Pintle Pay-Off is engineered for high-precision wire, cable and tube processing, featuring a robust frame that handles reels weighing up to 1,200 kg. The machine accommodates flange diameters from 600 mm to 1000 mm, with all loading, unloading, and pintle movements actuated by AC brake motors for maximum safety.

While the standard model supports higher tension, this configuration is optimized for a delicate tension range of 0.5 N to 10 N, managed via a low-friction air-cylinder dancer system.The drive system is powered by high-performance components, including the main motor, gearbox, and PLC. Control is centralized through an intuitive HMI, utilizing Profinet for seamless line integration at speeds up to 650 m/min. All electrical equipment is housed in a single cabinet, providing a modular and reliable solution for modern wire application lines.

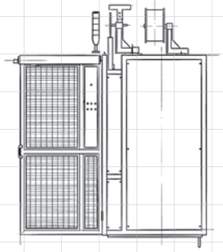
PINTLE TYPE



FRONT VIEW

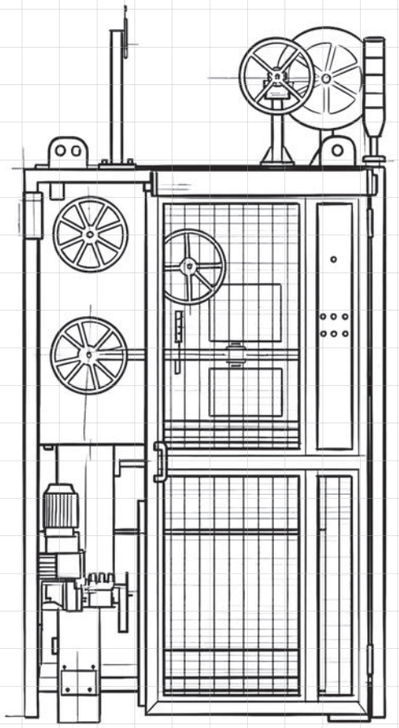


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

REEL DIAMETER (mm)	FTU / FPO	REEL WEIGHT (ton)			
		0.2	0.4	0.6	0.8
	400	✓			
	630		✓		
	800		✓	✓	
	1000			✓	✓

• Special designs according to your requirements on request
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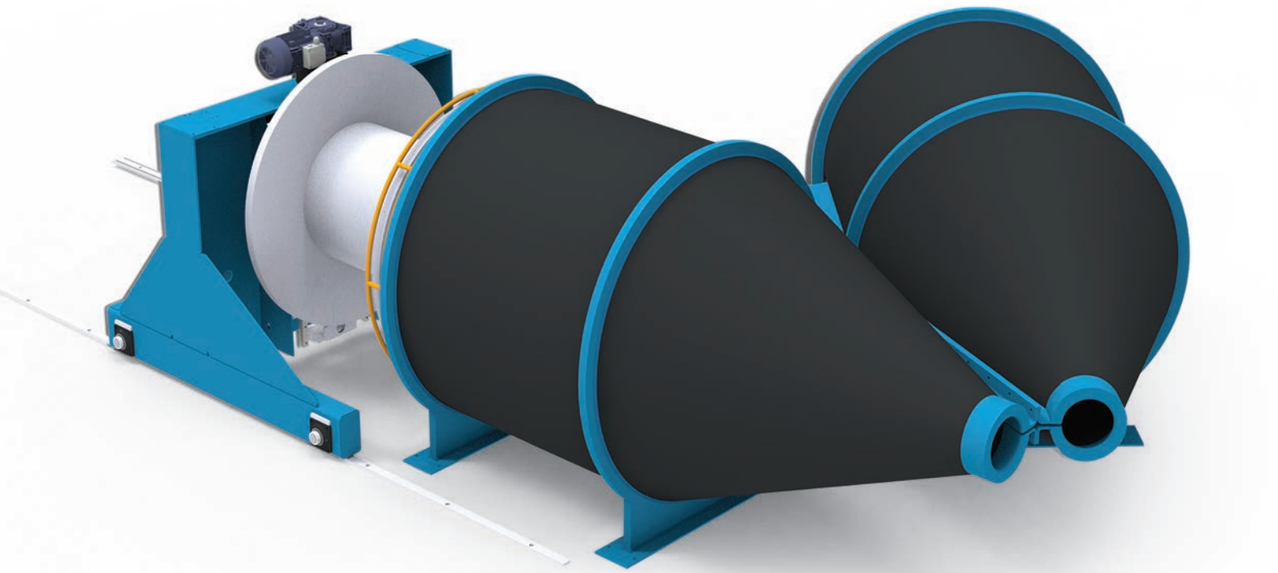


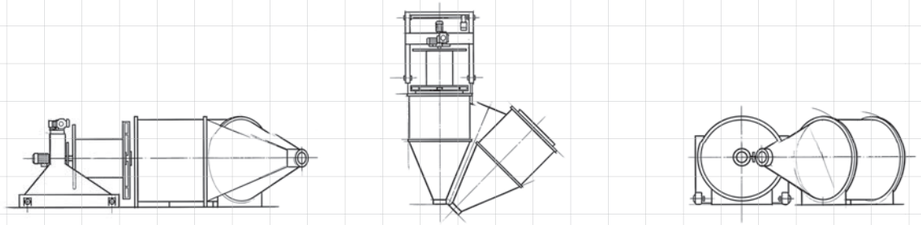
FLYER PAY OFF

PAY OFF

The Flyer Pay Off stand is engineered for continuous production lines, utilizing two housing cones covered by isolation material to ensure low-noise operation. The outlet of each cone is constructed from hardened steel to ensure durability during high-speed operation. To maintain a seamless run, the inner end of the active wire and the starting end of the new reel are led through horizontal slots and welded together.

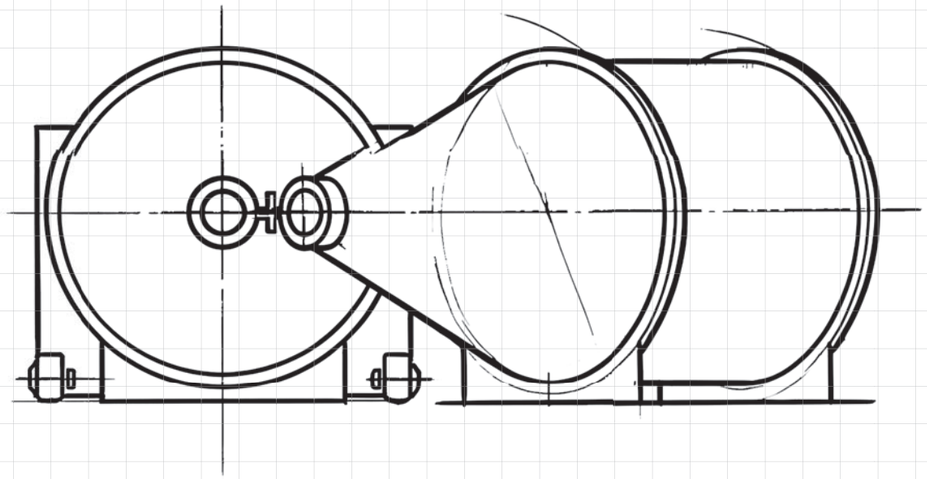
Each housing is equipped with a motorized reel-lifting carriage that includes the mandrel, flyer disk, and an AC motor. The wire is paid off via the flange of a non-rotating reel, which remains protected by a flyer cap. This cap is driven by a reversible three-phase AC motor to provide precise control over the payoff process. This robust design is optimized for high-speed applications where eliminating downtime is a critical operational requirement.

FLYER PAY OFF



FRONT VIEW | TOP VIEW | SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

REEL DIAMETER (mm)	FTU / FPO	REEL WEIGHT (ton)			
		0.6	1	1.2	2
	500-630	✓			
	630-800	✓	✓		
	800-1000		✓	✓	
	1000-1250			✓	✓

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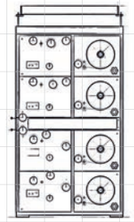
MULTI FIBER PAY OFF | PAY OFF

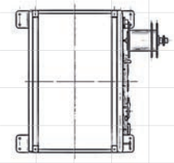
GMM's Multi Fiber Pay-0ff stand features a robust, welded frame designed for simplified installation, requiring no specialized floor preparation. Each reels is loaded manually, with operators securing them into the main frame using fast-fixing nuts or quick locks. To ensure sensitive and precise unloading, every fiber is guided through a dedicated, specialized pneumatic piston dancer assembly.

Individual motors manage the payoff for each fiber spool, while the integrated pneumatic dancers provide active tension control. This design is optimized for high-performance fiber management, ensuring consistent quality during the production process. The system is highly scalable; for multi fiber production requirements, two of these units can be operated in full synchronization to maintain uniform output across all strands.

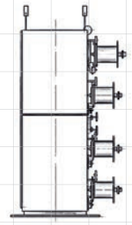
MULTI FIBER PAY OFF



FRONT VIEW

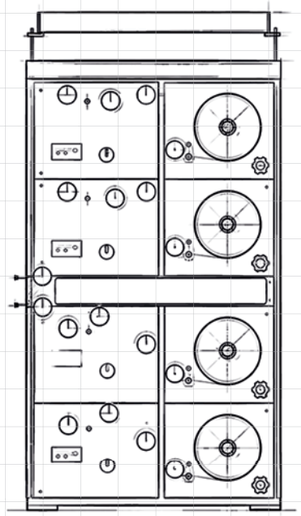


TOP VIEW



SIDE VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Type	core/shaft driven
Number of positions	6 position on each base with increasing capacity by value of 6
Product Diameter	190 µm – 250 µm
Flange diameter max	300 mm
Width max	250 mm
Weight max	10 kg
Tension (controlled with dancer)	30 – 250cN +/- %10
Tension tolerance	±(3g + 8% of set value)
Tension Sensor	included
Static electricity discharger	standard
Max Speed	500 m/min @ 160 mm

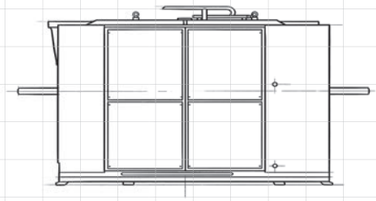
TTM 800/2 TAPING LINE

The TTM 800/2 Taping Line is designed to deliver stable, precise, and high-efficiency taping performance for industrial production environments. Built with a robust mechanical structure and balanced rotating components, the machine ensures consistent operation even under demanding working conditions.

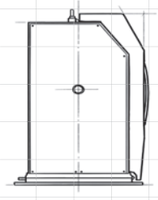
Its solid construction and carefully engineered layout provide smooth and reliable tape application, minimizing vibration and ensuring long-term durability. The system is developed to handle a wide range of taping applications while maintaining controlled tension and uniform wrapping quality throughout the production process.

With its compact footprint and operator-friendly design, the TTM 800/2 integrates easily into existing production lines. Safety-focused details, enclosed working areas, and reliable motion control systems make it a dependable solution for continuous industrial use. The TTM 800/2 represents a balanced combination of strength, precision, and production efficiency for modern taping operations.

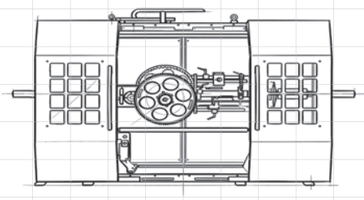
TTM 800/2



FRONT VIEW

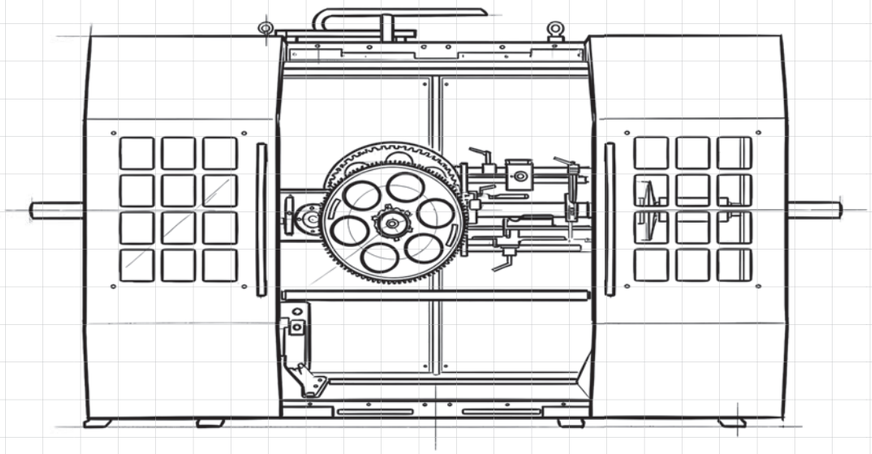


SIDE VIEW



REAR VIEW

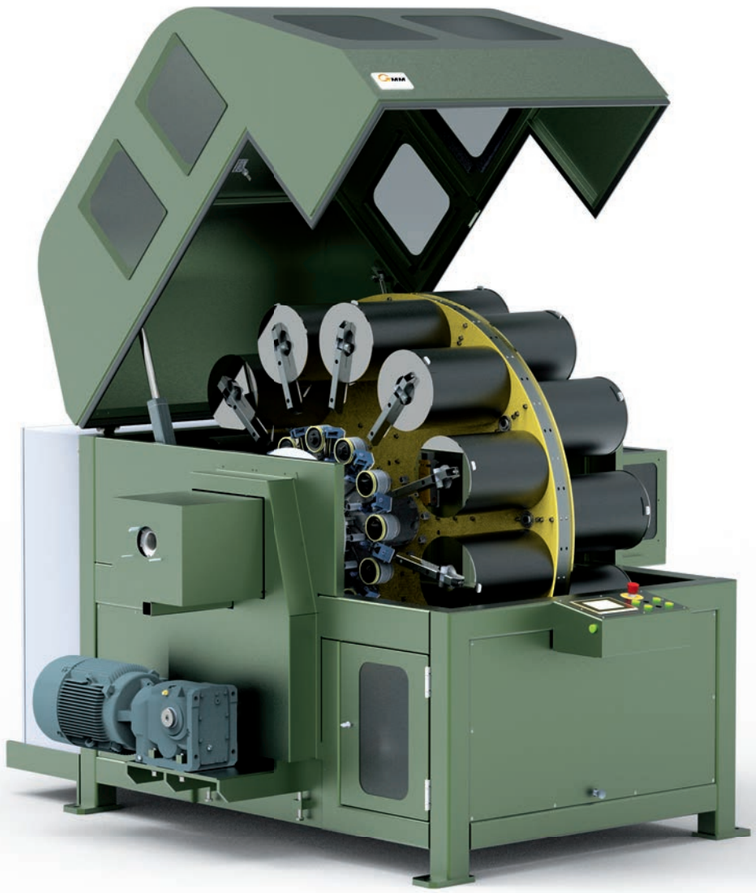
TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Number of Pads	2
Cable Passage	160mm up to 250mm
Tape Material	Non-Metallic Tapes
Tension Range	20N-200N
Tape Tension Control	Hysteresis brake
Max Pad Diameter	800mm
Inner Pad Diameter	76mm
Tape Width	10mm-100mm
Max Rotation Speed	600rpm When Balanced
Tape Brake & End Detection	By sensors
AC Motor Power	22kW
Emergency Stop	Pneumatic disc brake

Supports both metallic and non-metallic tapes up to 800 mm, with a maximum pad capacity of 200 kg.
Accommodates a wide tape width range from 10 to 100 mm and operates at rotational speeds of up to 600 rpm within a compact 4 m × 3 m footprint.

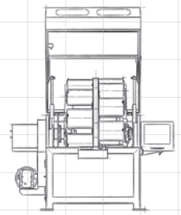


YARN SERVER

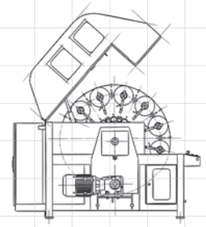
Our yarn servers provide exceptional reliability and versatility, serving as a critical component for modern cable manufacturing. Designed to be the cornerstone of efficient industrial yarn stranding, these units are renowned for their precise tension control during high-speed operations. They are specifically engineered to apply strength members to the cable center, making them an ideal solution for paying off round, flat, flexible, or rigid materials.

Tension is individually managed for each strand during production through advanced hysteresis brakes and state-of-the-art control software, ensuring uniform application. These servers are designed for seamless integration into any production environment, whether they are being incorporated into brand-new high-speed lines or retrofitted into existing manufacturing setups. This robust design ensures consistent quality and unmatched performance for diverse cable reinforcement requirements across the industry.

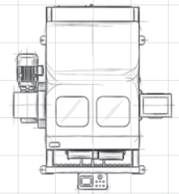
YHS 24



FRONT VIEW

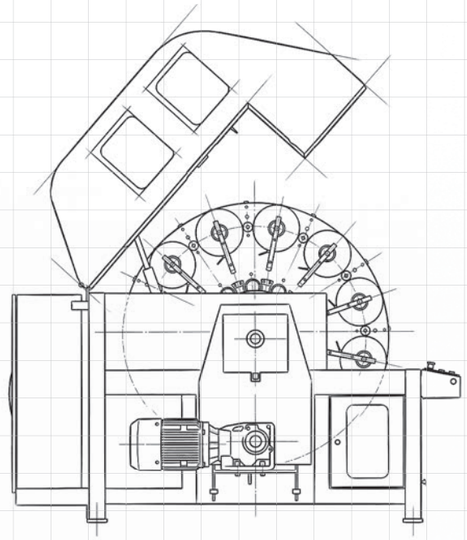


SIDE VIEW



TOP VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Type	Fly Off
Line Speed	200 m/min
Bobbin number	6,12,18,24
Lay Length	50 mm – 500 mm
Tension Range	1-20 N ± 10%
Max rotation speed	450 rpm
Bobbin weight	9 kg
Bore diameter	56 mm
Materials	Aramid, glass yarns, water-blocking yarns
Rotation direction	CW/CCW

Supports both metallic and non-metallic tapes up to 800 mm, with a maximum pad capacity of 200 kg. Accommodates a wide tape width range from 10 to 100 mm and operates at rotational speeds of up to 600 rpm within a compact 4 m × 3 m footprint.

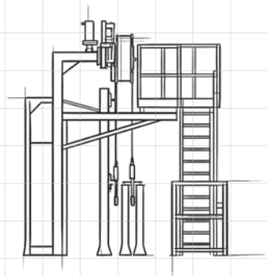
ACCUMULATOR | HORIZONTAL

This sturdy, welded GMM accumulator is designed for seamless line integration without requiring a specialized foundation. The unit features horizontally moveable pulleys mounted on double posts, with stationary wheels positioned at the front end. To ensure smooth cable handling, integrated rollers along the beams support both the upper and lower cable segments during operation.

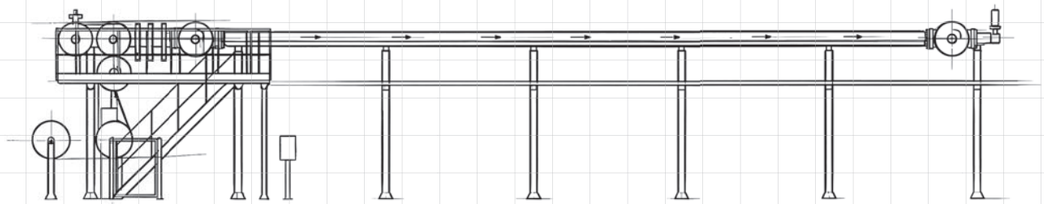
The carriage is driven by chains powered by an AC motor, which is managed by a frequency converter for precise control. This setup provides constant torque, maintaining approximate cable tension that is easily adjustable from the main control panel. While the system typically functions automatically, it includes a manual override for convenient cable threading. A dedicated cable clamp is also included as standard to ensure secure processing during the accumulation cycle.

Safety Solutions	Options
Protection fence	Tension measurement sensor
Light barriers	Cable clamp
	Full length mezzanine

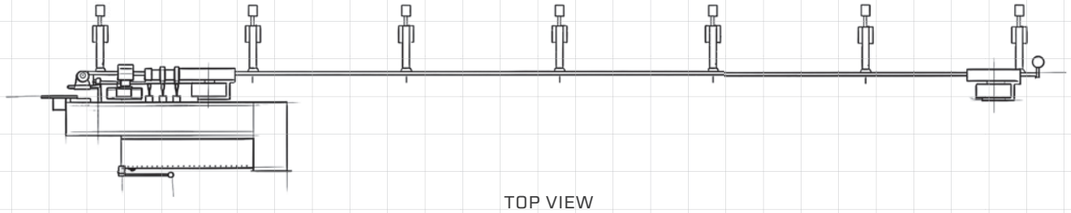
ACCUMULATOR



REAR VIEW



FRONT VIEW



TOP VIEW

TECHNICAL SPECIFICATIONS

ACCUMULATOR	WHEEL DIAMETER (mm)	TENSION RANGE (N)	CABLE DIAMETER (mm)	TORQUE MODE	DANCER MODE
ACH 600	600	20 - 400	15	✓	✓
ACH 800	800	35 - 500	30	✓	✓
ACH 1000	1000	40 - 599	40	✓	✓
ACH 1200	1200	40 - 600	50	✓	✓
ACH 1500	1500	40 - 800	50	✓	✓
ACH 3000	3000	100 - 2000	80	✓	✓

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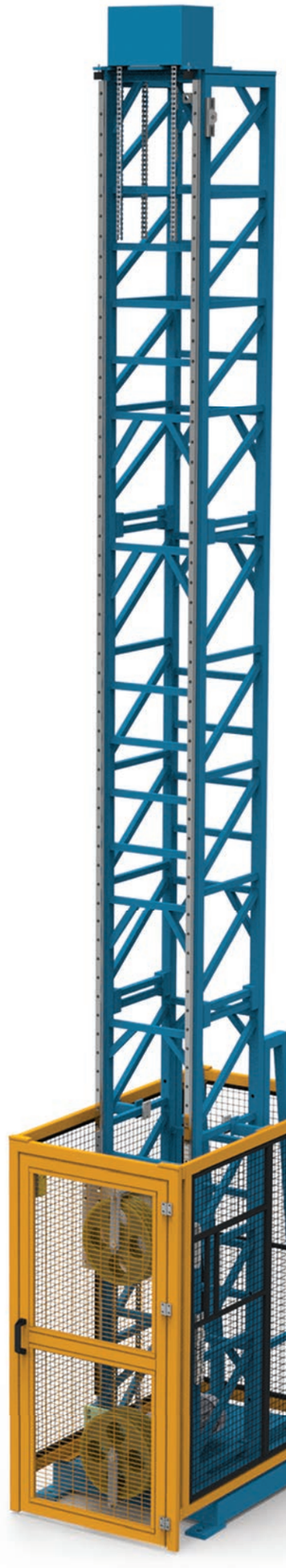
ACCUMULATOR

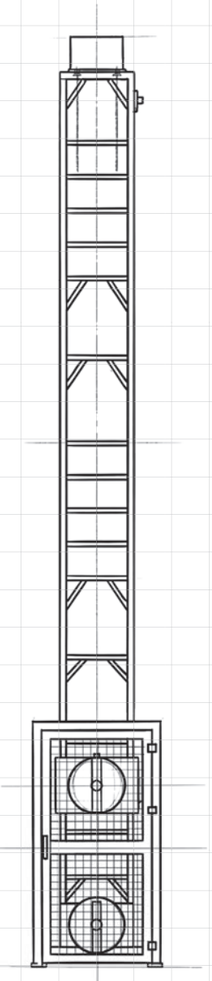
VERTICAL

GMM Vertical accumulators (ACV) are engineered for facilities with limited floor space, utilizing vertical height—up to 8 meters—to achieve a net accumulation length of 300 meters in D-ACV models. These units manage cable diameters up to 30 mm by utilizing a dual-pulley system: one fixed set and one vertically moving set. This movement allows the unit to wind or unwind cable, enabling reel changes at pay-off or take-up stations without slowing the production line.

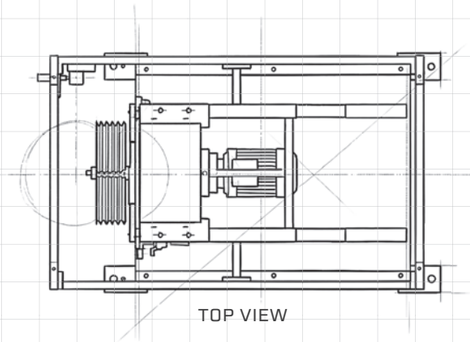
Beyond storage, these units function as high-precision dancers, regulating line speed and cable tension. This dual functionality eliminates the requirement for additional tension-control hardware. Available options include integrated clamping units, intuitive touchscreen control panels, and sensitive pulling force for delicate applications. This robust, space-saving design ensures continuous operation and superior tension stability in modern manufacturing environments.



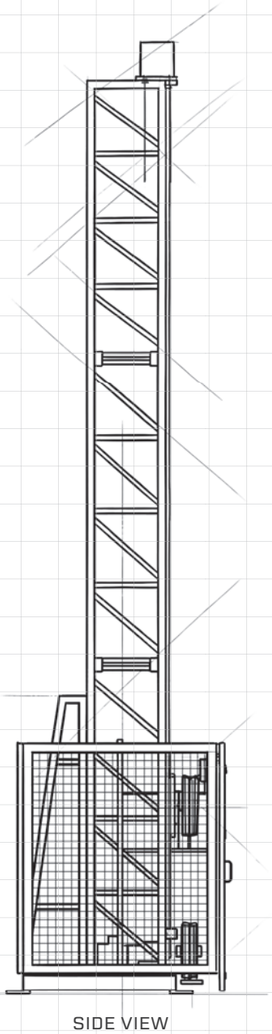
ACCUMULATOR



FRONT VIEW



TOP VIEW



SIDE VIEW

TECHNICAL SPECIFICATIONS

ACCUMULATOR	WHEEL DIAMETER (mm)	TENSION RENGE (N)	TORQUE MODE	DANCER MODE
ACH 200	200	2 - 200	✓	✓
ACH 400	400	4 - 100	✓	✓
ACH 600	600	10 - 200	✓	✓

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CATERPILLAR

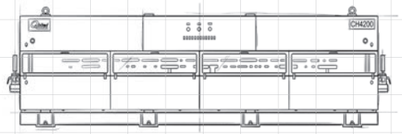
GMM haul-off Caterpillar features a sturdy; welded structure designed for reliable cable pulling. The cable is guided at the inlet and outlet by pairs of horizontal and vertical pulleys, with the vertical set being symmetrically adjustable to match the specific cable diameter. Traction is achieved through endless belts that are pneumatically pressed and tense to ensure a secure grip without damaging the product.

The drive system consists of two motors with gear reducers, utilizing AC drives with encoder feedback to maintain stable speeds across the entire operational range. For precision, the traction belts are guided sideways by pulley flanges and side rollers along the gripping zone. Additionally, the unit is equipped with a tension measurement sensor for monitoring back tension, while the outlet rollers are customized to accommodate changing cable diameters. The electrical cabinet is housed separately for easier maintenance and heat management.

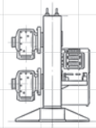
The machine varies from a gripping length of 500 mm up to 4500 mm depending on the operation and customer requirement. Offering both indoor and outdoor applications securely, our caterpillar meets the industry standards at top level.

Safety Solutions	Options
Door interlock	Tension measurement sensor
Safety tubes at inlet and outlet	Inline rail
Protection fence	HMI

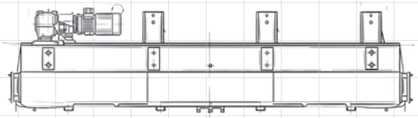
CATERPILLAR



FRONT VIEW

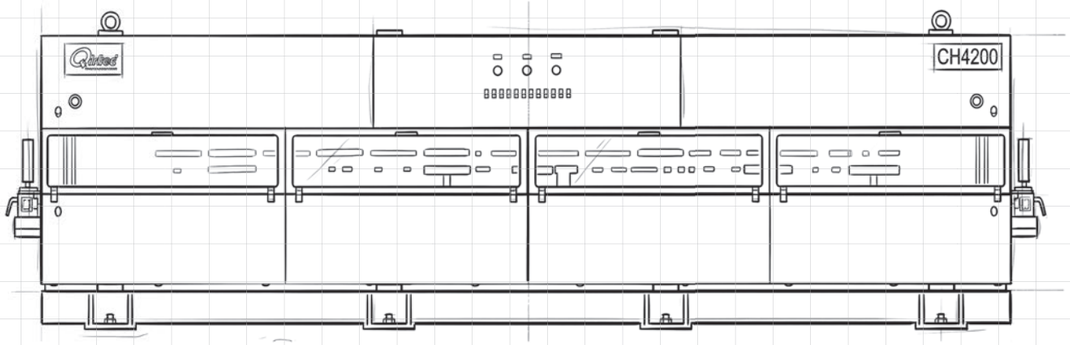


SIDE VIEW



TOP VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

CATERPILLAR	CONTACT LENGTH (mm)	max PULLING FORCE (daN)	max LINEAR SPEED (m/min)
CA 500	500	200	200
CA 800	800	500	400
CA 1200	1200	800	400
CA 1500	1500	1200	150
CA 1800	1800	1600	1500
CA 2100	2100	2400	100
CA 2400	2400	3000	100
CA 3000	3000	4000	50
CA 4200	4200	6000	50
CA 4500	4500	7000	50

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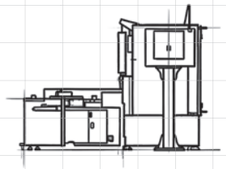
COOLING TROUGH

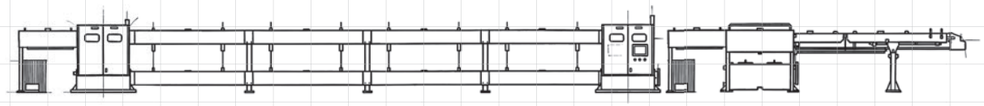
The CT cooling trough is a high-capacity thermal management solution constructed from double-walled chromium steel to ensure durability and efficient temperature retention. Designed for continuous production, the system features a primary temperature-controlled zone followed by a motorized telescopic section that allows for precise adjustment via AC motor feedback. For intensive cooling requirements, the multi-pass configuration utilizes large-diameter deflection pulleys to maximize the cable's immersion time within the circulating water.

The integrated assembly includes both hot and cold-water tanks, circulation pumps, and a dual-stage drying system equipped with air blowers and wipes to remove moisture effectively. While the mechanical structure, piping, and manual valves are provided as standard, specific parameters such as exact cooling lengths and reservoir capacities are customizable to meet diverse cable diameter and line speed requirements based on the customer's technical expectations.

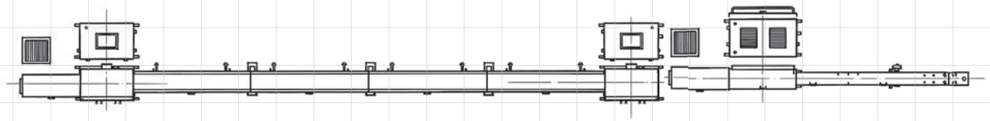
COOLING TROUGH



SIDE VIEW



FRONT VIEW

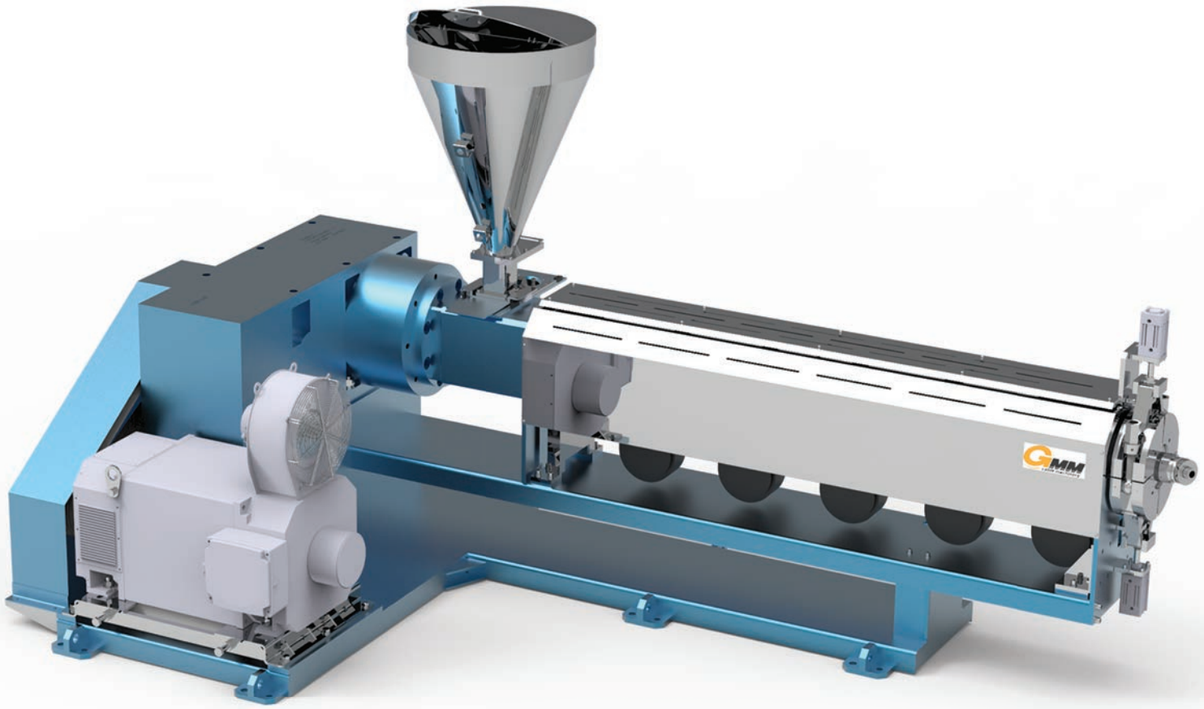


TOP VIEW

TECHNICAL SPECIFICATIONS

TYPE	CABLE Ø (mm)	PULLEY DIAM. Ø (mm)	TOTAL LENGHT (m)
CT 10	10	600 - 800	21
CT 20	20	600 - 800	21
CT 40	40	600 - 800	21
CT 60	60	600 - 800	21
CT 70	70	600 - 1000	25
CT 80	80	600 - 1000	40
CT 120	120	600 - 1000	60

• Special designs according to your requirements on request
• Please contact us with your questions for our advice

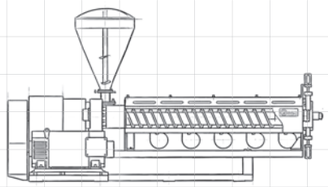


EXTRUDER

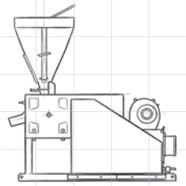
The GXT Extruder is a high-performance extruder specifically engineered for processing HDPE, MDPE, and LLDPE jacket materials. It features a nitrided special steel barrel with requested L/D ratio and a grooved feeding section, enabling a high production capacity. The system is driven by a Siemens AC motor and a Zambello gearbox, providing stable torque for pressures reaching high levels. Temperature management is handled via heating and cooling zones, complemented by an integrated thermoregulator for the feeding zone and an automatic screw heating/cooling unit.

Control is centralized through a Siemens S7-1500 series PLC and a Comfort Panel, ensuring precise monitoring of melt pressure and thermocouples. The modular design includes a stainless-steel hopper with level sensing and a pneumatically controlled clamp. While the basic machine incorporates the drive cabinet and HMI, specific line integration components like crossheads and coloring units are customized based on individual customer requirements.

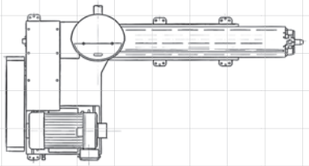
EXTRUDER



FRONT VIEW

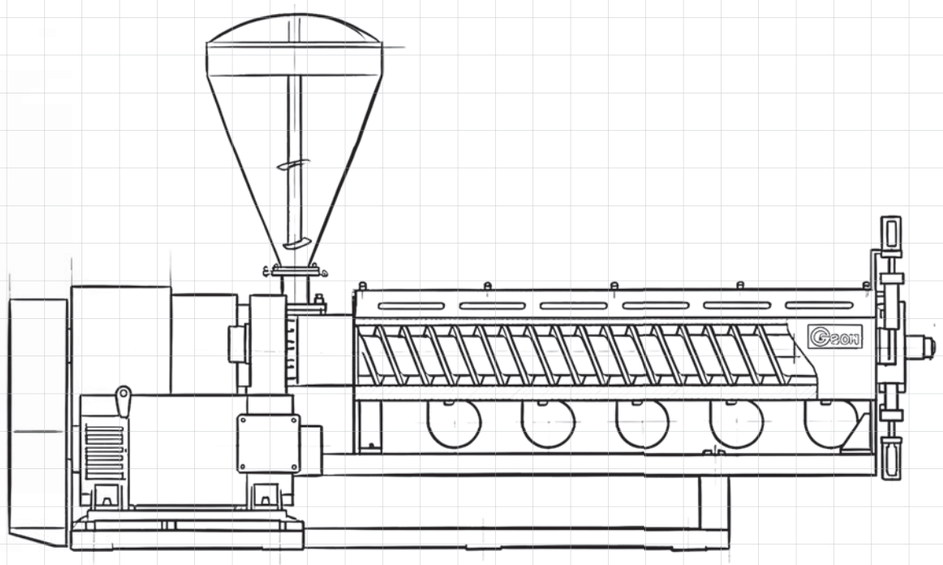


SIDE VIEW



TOP VIEW

TECHNICAL OVERVIEW



TECHNICAL SPECIFICATIONS

MODEL	OUTPUT CAPACITY kg/h			POWER	SPEED
	XLPE	PVC	HFFR	kW	RPM
GXT 45	75	130	110	30	180
GXT 60	155	210	210	55	160
GXT 80	220	350	300	90	115
GXT 100	500	600	500	150	110
GXT 120	550	900	800	210	90
GXT 150	600	1300	1150	290	70

DANCERS

AUXILIARY
EQUIPMENT

AUXILIARY
EQUIPMENT

GUIDING ROLLERS

METER COUNTER

AUXILIARY
EQUIPMENT

ADVANCING & CUTTING UNIT

AUXILIARY
EQUIPMENT

AUXILIARY
EQUIPMENT

HYDRAULIC CUTTER

GMM provides a comprehensive range of auxiliary equipment designed to enhance and automate cable production lines. These units ensure precision, safety, and efficiency throughout the manufacturing process. The current auxiliary lineup includes:

GUIDING ROLLERS

Ensure precise cable routing and alignment between different line components.

WIDE RANGE DANCERS

Vertical, horizontal, arm, accumulator dancers.

METER COUNTERS

Provide accurate measurement of the produced cable length for quality control.

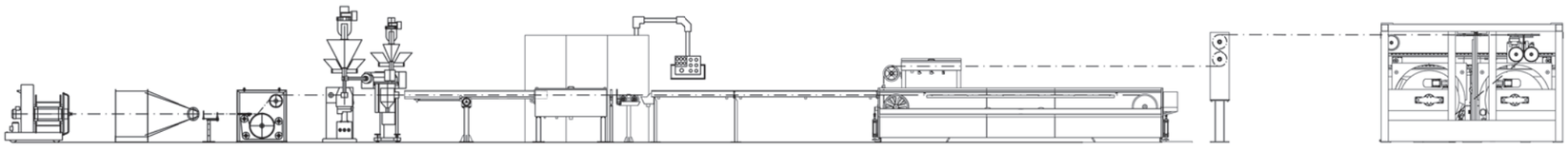
PROCESSING UNIT

: Includes specialized Hydraulic Cutters and Advancing & Cutting Units for clean, automated material handling.

ADVANCING UNIT

Including length measurement, cutting and advancing.

POWER CABLE EXTRUSION LINES



GE20

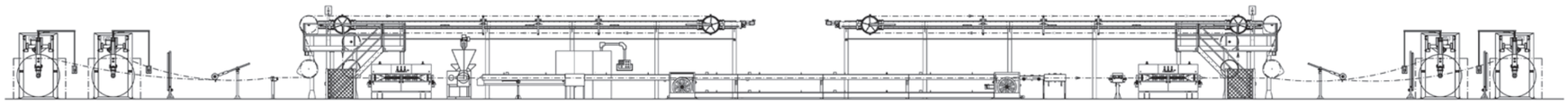
High speed building wire insulations line offers customers flexibilty, productivity and quality.

STANDARD LINE EQUIPMENT	
Flyer Pay-Off	630 / 800 / 1250
Electromagnetic Brake	
Main Extruder	100 / 25
Auxiliary Extruder	45 / 25
Crosshead	
Diameter Gauges	Inlet & Outlet
Cooling Trough	
Capstan	
Drying Unit	
Spark Tester	
Dancer	
Automatic Dual Take-Up	
Line Control System	LC 500

STANDARD LINE SPECIFICATION	
Line Speed	1300 m/min
Conductor	Solid, bunched, stranded
Max Cable Diameter	10 mm
Solid Cross Section	10 mm²
Bunched Cross Section	25 mm²
Insulation Layer	0.5 – 1.2 mm

OPTIONS
Marking Unit
Lump and Neckdown Gauge
Dual Take-Up Reel Loading / Unloading Conveyors

GE20



GE40

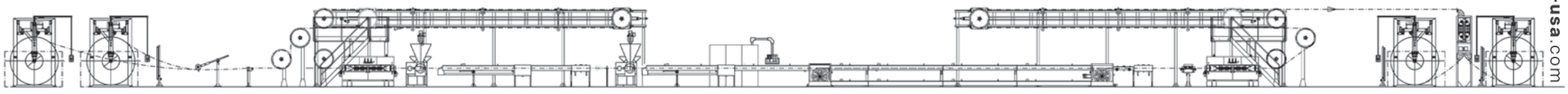
Low voltage sheathing line offers customers flexibility, productivity and quality. GMM offers a user-friendly operating concept with the latest technology. Different operating modes are possible: dancer, accumulator dancer, torque control. These modes are selected according to cable type and diameter which require different tension ranges.

STANDARD LINE EQUIPMENT	
Two Auto Correction Pay-Off (Portal or Gantry)	TPO / GPO 22, 26, 30, 36
Dancer	
Inlet Accumulator Dancer	
Clamping Unit	
Caterpillar	CA 18 / 21 / 24
Main Extruder	GEX 100, 120 / 25D
Auxiliary Extruder	GEX 45, 60 / 25D
Crosshead	
Vacuum Unit	
Diameter Gauge	
Cooling Trough	CT 60, 80, 100, 120
Drying Unit	
Diameter Gauge	
Spark Tester	
Length Counter	
Caterpillar	CA 18 / 21 / 24
Outlet Accumulator Dancer	
Clamping Unit	
Dancer	
Two Traversing Take-Up (Portal or Gantry)	TPO / GPO 22, 26, 30, 36
Line Control System	LC 500

STANDARD LINE SPECIFICATION	
Line Speed	300 m/min
Conductor	Round, Stranded
Max Cable Diameter	50 mm
Sheathing Layer	0.3 – 6 mm
Sheathing Material	PVC, PE, HFFR

GE40

POWER CABLE EXTRUSION LINES



GE50

Low voltage tandem sheathing line offers customers flexibility, productivity and quality. GMM offers a user-friendly operating concept with the latest technology. Different operating modes are possible: dancer, accumulator dancer and torque control. These modes are selected according to cable type and diameter which require different tension ranges.

STANDARD LINE EQUIPMENT	
Two Auto Correction Pay-Off (Portal or Gantry)	TPO / GPO 22, 26, 30, 36
Dancer	
Inlet Accumulator Dancer	
Clamping Unit	
Caterpillar	CA 18 / 21 / 24
Filling Extruder	GEX 100, 120 / 25D
Cooling Trough	
Dryer	
Diameter Gauge	
Main Extruder	GEX 100, 120 / 25D
Auxiliary Extruder	GEX 45, 60 / 25D
Crosshead	
Vacuum Unit	

Diameter Gauge	
Cooling Trough	CT 60, 80, 100, 120
Drying Unit	
Diameter Gauge	
Spark Tester	
Length Counter	
Caterpillar	CA 18 / 21 / 24
Outlet Accumulator Dancer	
Clamping Unit	
Dancer	
Two Traversing Take-Up (Portal or Gantry)	TPO / GPO 22, 26, 30, 36
Line Control System	LC 500

STANDARD LINE SPECIFICATION	
Line Speed	300 m/min
Conductor	Round, Stranded
Max Cable Diameter	50 mm
Sheathing Layer	0.3 – 6 mm
Sheathing Material	PVC, PE, HFFR

GE50

POWER CABLE EXTRUSION LINES

GE60

Tandem sheathing line offers customers flexibility, productivity and quality. GMM offers a user-friendly operating concept with the latest technology.

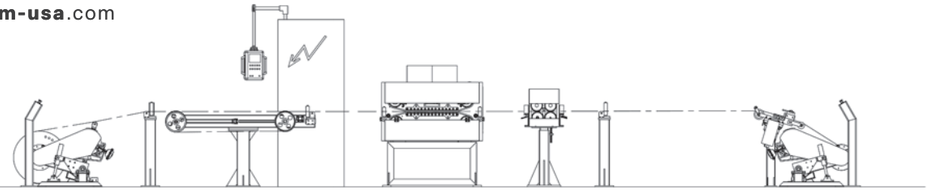
STANDARD LINE EQUIPMENT	
Two Auto Correction Pay-Off (Portal or Gantry)	TPO / GPO 30, 36, 40
Caterpillar	CA 24 / 30
Filling Extruder	GEX 100, 120 / 25D
Cooling Trough	
Dryer	
Diameter Gauge	
Main Extruder	GEX 100, 120 / 25D
Auxiliary Extruder	GEX 45, 60 / 25D
Crosshead	
Vacuum Unit	
Diameter Gauge	
Cooling Trough	CT 60, 80, 100, 120
Drying Unit	

Diameter Gauge	
Spark Tester	
Length Counter	
Caterpillar	CA 24 / 30
Two Traversing Take-Up (Portal or Gantry)	TPO / GPO 30, 36, 40
Line Control System	LC 500

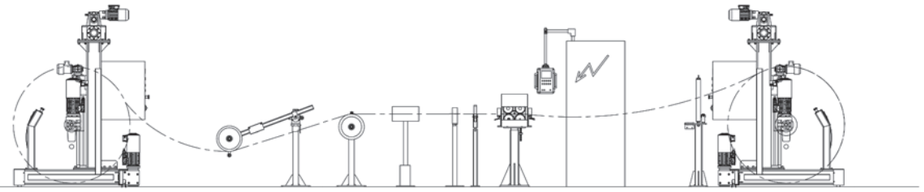
STANDARD LINE SPECIFICATION	
Line Speed	100 m/min
Conductor	Round, Stranded
Max Cable Diameter	130 mm
Filling Layer	0.8 – 2.0 mm
Sheathing Layer	1.8 – 4 mm
Sheathing Material	PVC, PE, HFFR

GE60

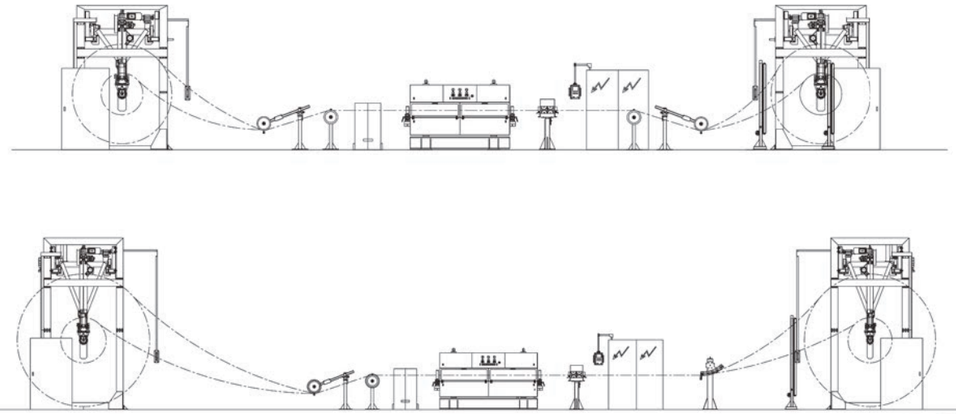
GR15



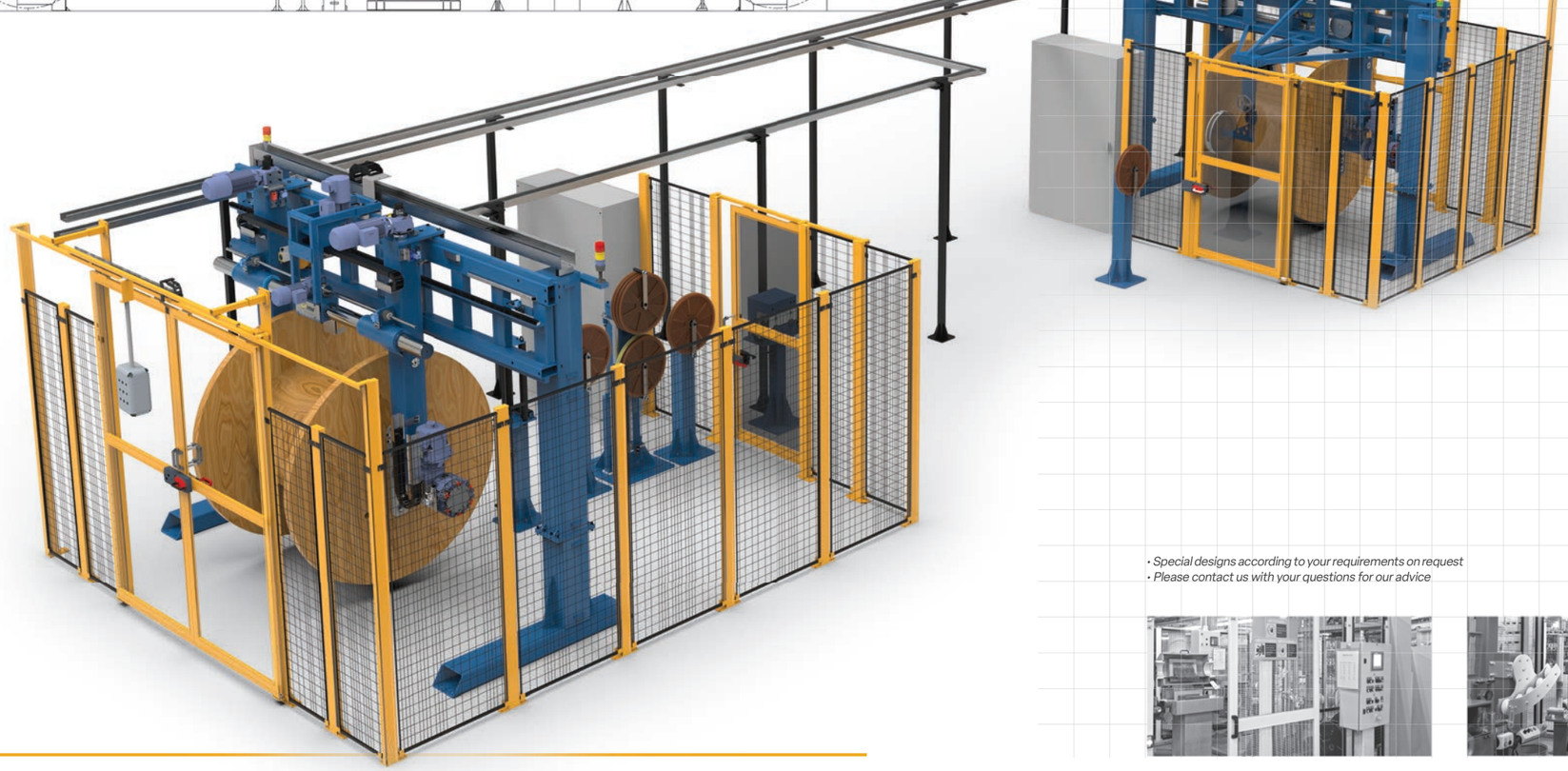
GR35



GR85



GR120



POWER & CONTROL CABLES

REWINDING LINES

Rewinding lines are designed to rewind and cut the different type of cable and wires in desired length. Rewing can be at both directions.

MATERIALS TO REWIND
Cu Communication Cables
Signal Cable
Low Voltage Cable
MV Cables
Fiber Optic Cable
Al, Cu, Steel Wires

PAY-OFF	
Type	Cantilever, Portal or Gantry
Reel Size	400 – 5000 mm
Reel Weight	0.1 – 100 t

CATERPILLAR	
Type	Belt Type
Pulling Force	300 – 7000 kg

LENGTH COUNTER	
Type	Belt, Pulley or Laser

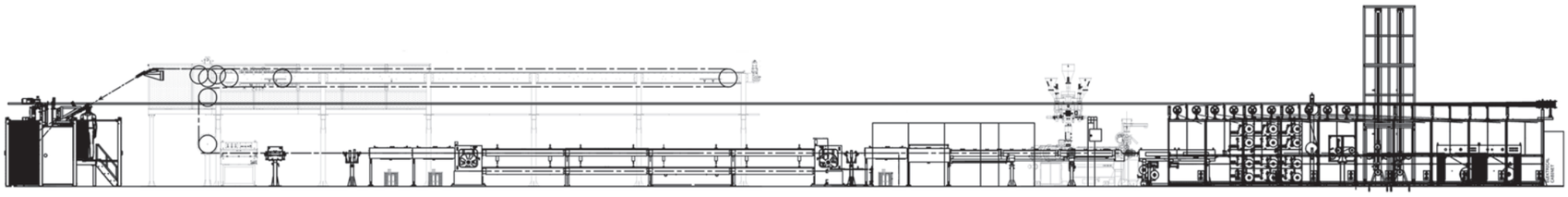
TAKE-UP	
Type	Cantilever, Portal or Gantry
Reel Size	400 – 5000 mm
Reel Weight	0.1 – 100 t

LINE CONTROL	
System	PLC and HMI

AUXILIARY EQUIPMENT
Diameter Gauges
Spark Tester
Cutting Unit (Saw or Scissor)
Dancer
Protection Fence
Printer or Marking Unit
Welding

• Special designs according to your requirements on request
• Please contact us with your questions for our advice

FIBER CABLE PRODUCTION LINES



JACKETING LINE

Fiber optic jacketing line offers customers flexibility, productivity and quality. GMM offers a user-friendly operating concept with the latest technology. Different operating modes are possible: dancer, accumulator dancer and torque control. These modes are selected according to cable type and diameter which require different tension ranges.

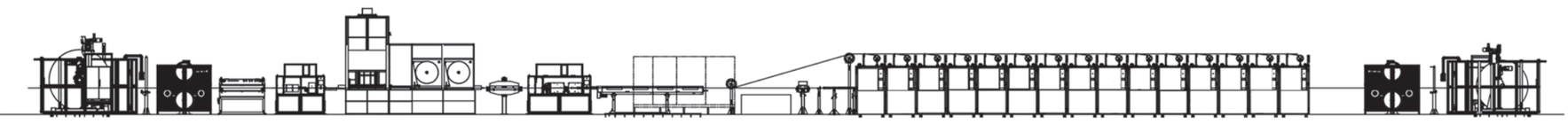
STANDARD LINE EQUIPMENT	
Pay-Off	TPO 2600
Dancer	
Caterpillar	CA 1000 / 1200
Extruder	GEX 100 / 25
Crosshead	
Cooling Trough	CT 40
Length Counter	
Diameter Gauge	
Dancer	
Take-Up	TTU 2600

STANDARD LINE SPECIFICATION	
Line Speed	200 m/min
Cable Diameter	4 – 30 mm

OPTIONS
Exit Accumulator
Metal Tape Corrugating / Forming
Metal Tape Pay-Off
Accumulator
Corrugator
Forming Unit
Hot Melt Applicator
Additional Pay-Off for Tubes / Member Element

GJL40

FIBER CABLE PRODUCTION LINES



STRANDING LINE

High speed SZ stranding line offers customers flexibility, productivity and high quality production for loose tubes.

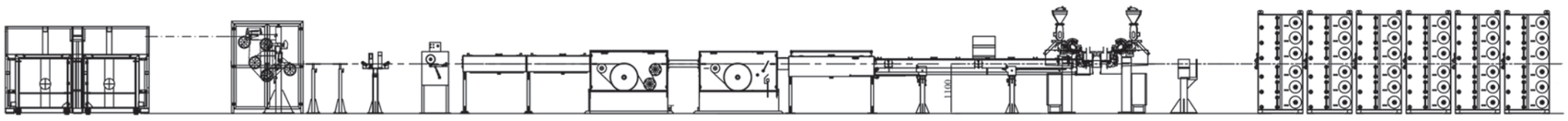
STANDARD LINE EQUIPMENT	
Center Member Pay-Off	TPO 26
Dancer	
Loose Tube Pay-Off	6 – 18 Tubes
Guiding System for Tubes	
SZ Strander	
Cross Binder	
Torsion Blocker	
Longitudinal Tape Applicator	
Tape Pay-Off	
Accumulator	
Tape Applicator	
Single Binder	
Caterpillar	CA 1800 / 2100
Dancer	
Take-Up	TTU 26

STANDARD LINE SPECIFICATION	
Line Speed	120 m/min
Number of Tubes	6 – 18
Tube Diameter	1.2 – 5 mm

OPTIONS
Hot Melt Applicator

GSZ12

FIBER CABLE PRODUCTION LINES



BUFFERING LINE

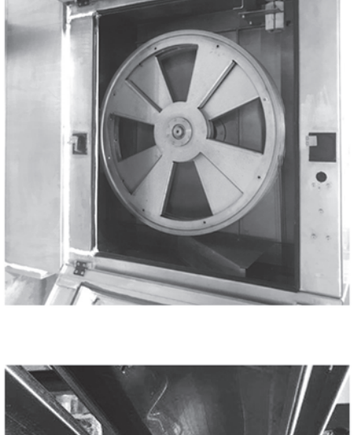
High speed buffering line offers customers flexibility, productivity and high quality production.
The buffering line enables the production of both jelly-filled and dry loose tubes.

STANDARD LINE EQUIPMENT	
Fiber Pay-Off	
Jelly Unit	
Extruder	GEX 45 / 25
Cooling Trough	
Two Single Wheel Capstan	
Diameter Gauge	
Lump Detector	
Dancer	
Automatic Dual Take-Up	

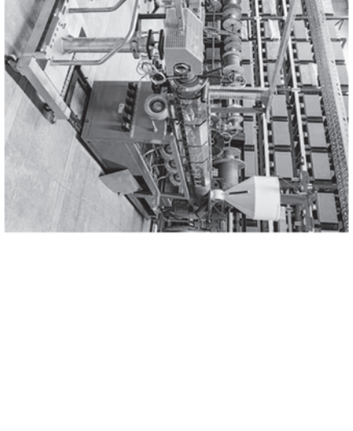
STANDARD LINE SPECIFICATION	
Line Speed	500 m/min
Number of Fibers	4 – 24
Tube Diameter	1.2 – 4 mm

OPTIONS
Online EFL Measurement
Yarn Pay-Off

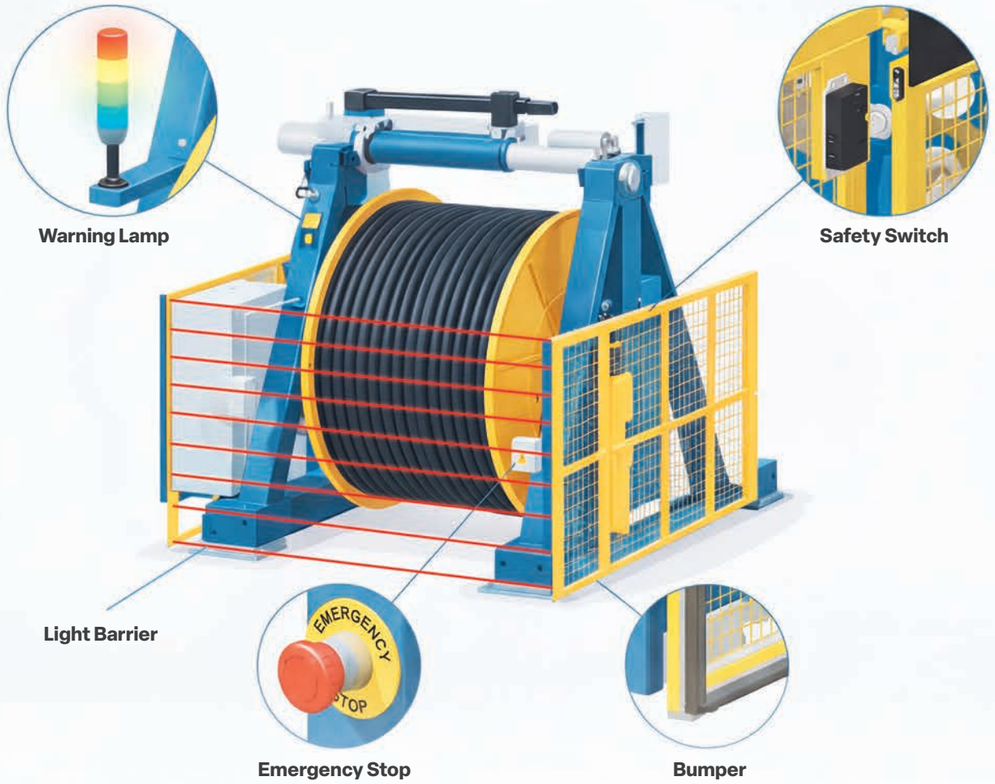
GBL40

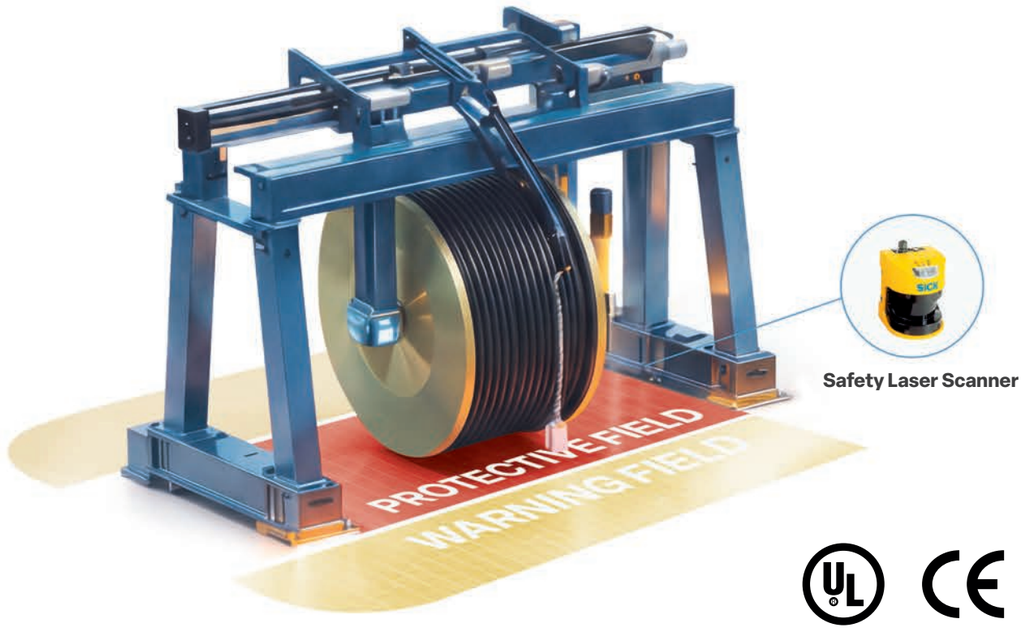







SAFETY





LINE CONTROL

LC50

LC50 line control system provides user following advantages;

- Standard, Safety CPU Siemens / Allen Bradley
- Ethernet interface
- Up to 7” touch screen
- Entering and displaying machine parameters
- Parameter input by key buttons
- Basic Alarm Management
- Basic Recipe Management
- Remote Service - option

LC100

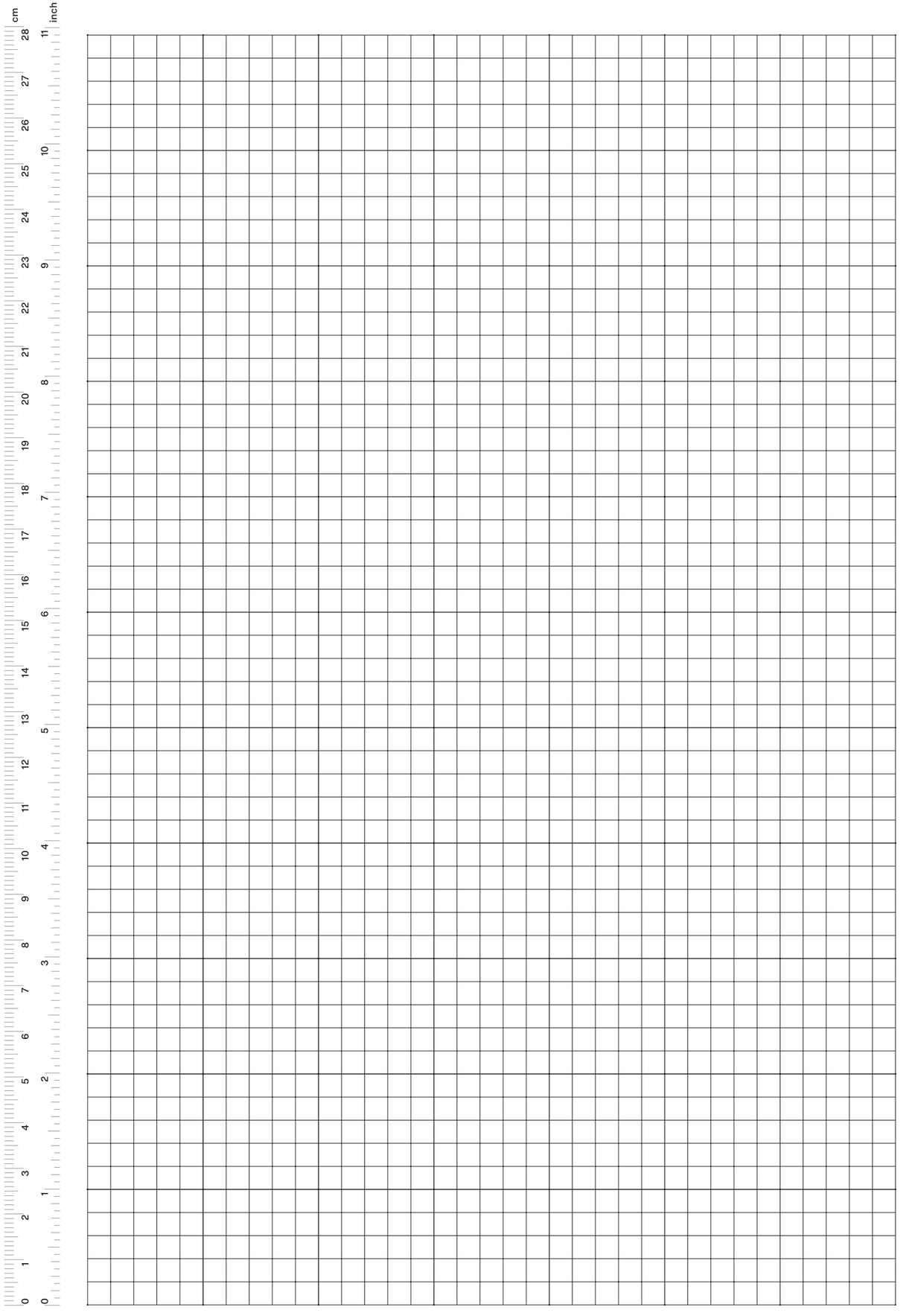
LC100 line control system provides user following advantages;

- Standard, Safety CPU Siemens / Allen Bradley
- 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

LC500

LC500 line control system provides user following advantages;

- Standard, Safety CPU Siemens / Allen Bradley
- 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



2026

January

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February

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22	23	24	25	26	27	28

March

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8	9	10	11	12	13	14
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22	23	24	25	26	27	28
29	30	31				

April

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19	20	21	22	23	24	25
26	27	28	29	30		

May

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24	25	26	27	28	29	30
31						

June

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28	29	30				

July

S	M	T	W	T	F	S
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26	27	28	29	30	31	

August

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23	24	25	26	27	28	29
30	31					

September

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20	21	22	23	24	25	26
27	28	29	30			

October

S	M	T	W	T	F	S
				1	2	3
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

November

S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

December

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

2027

January

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March

S	M	T	W	T	F	S
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May

S	M	T	W	T	F	S
						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

July

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

GMM cable machinery

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