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QMH[®]

Specialized Belting & Accessories Supply



QMH specializes in engineering services for bulk material handling. Our business scope covers product R&D, manufacturing, sales and technical services to serve global customers in metallurgy, mining, tunneling, power plant, harbour and chemical industries. We provide customers with professional full-life-cycle solutions for conveying systems including conveyors and components, pulley lagging, quick repair system as well as conveying system installation and maintenance etc.

The QMH team has over 30 years of experience in bulk material handling technology. Adhering to the philosophy of "High quality, technology orientation, global service" and relying on global technical service centers, QMH has realized seamless integration of products + localized services + global technical support. We provide customers with personalized conveying system engineering service solutions to meet their needs for optimal and most efficient conveying systems.

QUALITY MATERIAL HANDLING

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CONVEYOR COMPONENTS

Skirt Rubber

Y-Skirt Rubber

The Y-Skirt Rubber features dual sealing design to effectively prevent material spillage and dust.

- Dual sealing configuration
- Improve safety during operation
- Reduced material spillage
- Minimized damage to belt
- Easy for installation and adjustment



Y-Skirt Rubber



YX-S Skirt Rubber

Specifications	Length	Customizable
	Width	200mm
	Thickness	20mm
	Polyurethane Width	55mm
	Polyurethane Thickness	5mm
Rubber Performance Parameters		
Rubber Hardness		70±5 Shore A
Tensile Strength		≥6Mpa
Elongation at Break		≥300%
Polyurethane Performance Parameters		
Tensile Strength		≥30Mpa
Elongation at Break		≥600%
Hardness		85±5Shore A
Abrasion		≤120mm³

01 Material

- Combined with polyurethane and rubber
- Quality polyurethane adopted for the belt contacting section
- Excellent wear resistance
- Longer service life with no damage to belt



02 Sealing Performance

- Dual seal configuration design
- Installed tightly against the chute side plate
- Sealing section in close contact with conveyor belt to prevent material spillage
- Outer lip turnable and adjustable



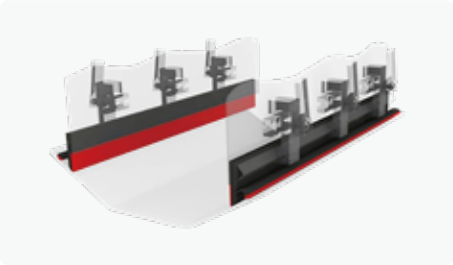
03 Outer Seal

- Outer seal designed with round transition surface
- Minimized abrasion to protect the conveyor belt



04 Inner Seal

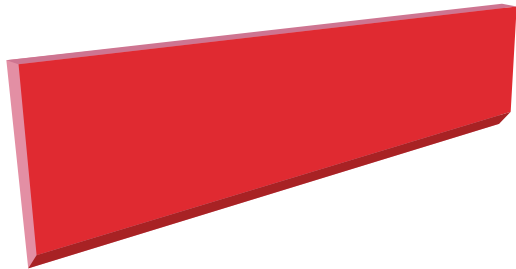
- Engineered to an integral piece on each side
- Same length as the loading chute to prevent material leakage



Skirt Rubber

High Abrasion-resistant Skirt Rubber

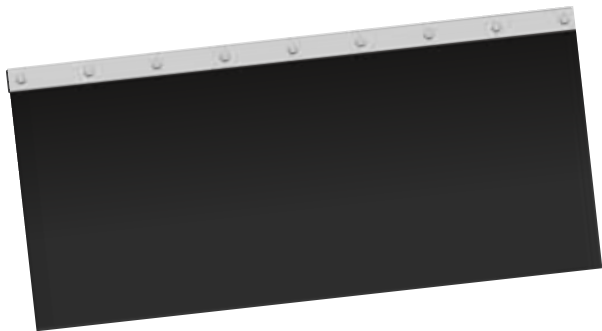
- Made of premium rubber material
- Abrasion resistance 3–5 times higher than ordinary skirt rubber
- High tensile strength and low friction coefficient
- Resistant to heat, flame and wear, suitable for various working conditions
- Ideal for large bulk materials such as ores



Structure		High Abrasion-resistant Rubber (Customized Color)
Compression Set 100C*22H.%		45-100
Specifications	W	114/150/170/190/200/220/250/280/300 mm
	THK	10/12/15/20 mm
	L m/roll	Available to be Customized



Dust Curtain



Product Function

The dust curtain is an effective dust control solution designed to minimize airborne particles at transfer points, loading zones and other critical areas along conveyor systems.

Features

- Special synthetic rubber material
- Good resilience and flexibility
- Available for corrosion, high/low temperature and fire resistance required working conditions
- Easy and quick to be replaced and installed
- Excellent wear resistance
- Long service life

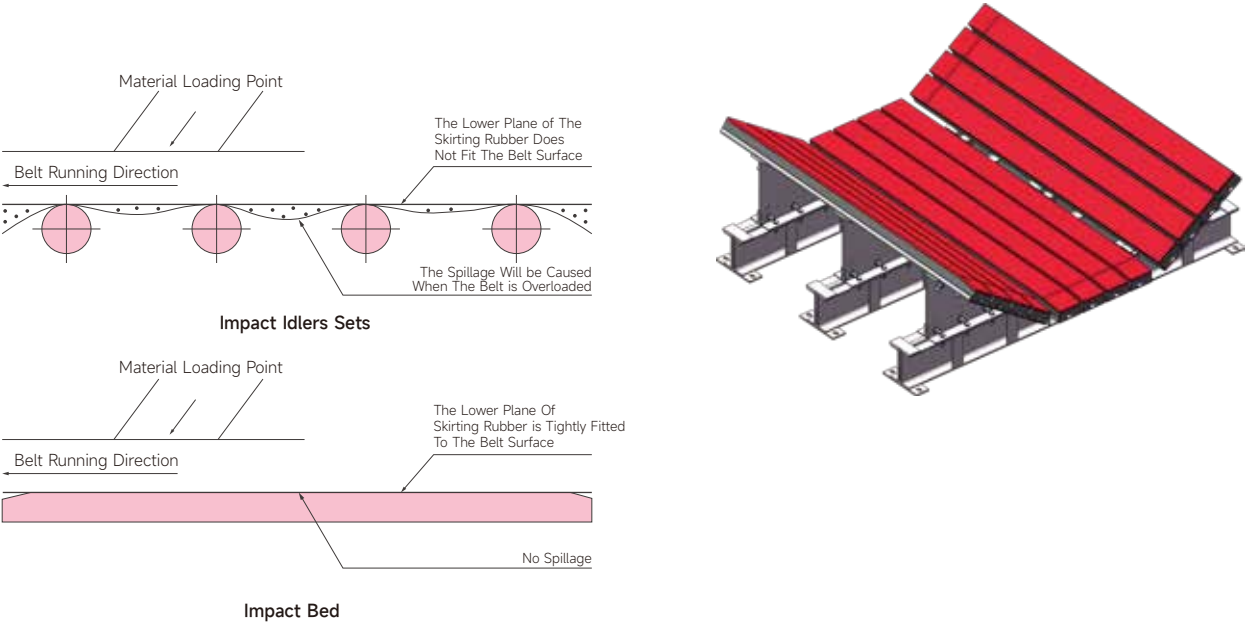
Availability

- **Type:** Slit Curtain Solid Curtain Strip Curtain.
- **Quality:** Abrasion-resistant, high/low temperature-resistant, flame-retardant, anti-static, etc.
- **Size:** Available to be customized.



Impact Bed

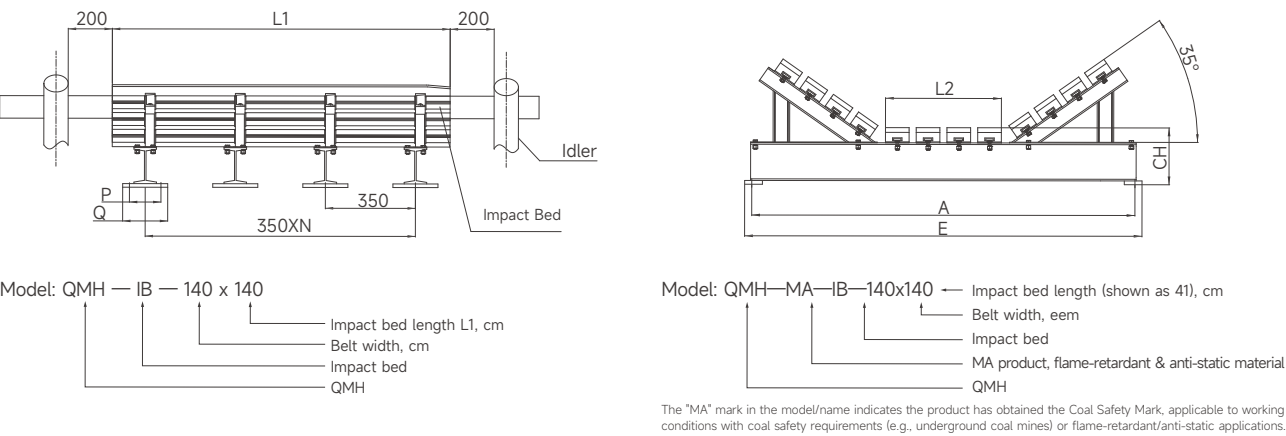
As an alternative of the impact idler, the impact bed is installed below the conveyor belt to reduce the impact on the belt caused by falling materials. It prevents the conveyor belt from tearing and scoring, and hence reducing belt maintenance. The impact bar on both sides can be adjusted to the same angle as the conveyor belt rollers to prevent material overflow and spillage.



Features

Configuration	Features	Benefits
20mm UHMW-PE layer	Low friction coefficient	To ensure the conveyor belt runs smoothly, extend the service life of impact bars and belt, and hence reduce operational costs
Special rubber compound	Good elasticity	Absorb impact, reduce noise and improve the working condition
Impact bar one end features slope design	Enable belt run smoothly	Reduce resistance and protect the belt during operation
Impact bars arranged in belt running direction	Enable belt run smoothly	Lower the risk of longitudinal tears
Engineered to effectively absorb material impact	Increased impact area	Protect the belt so as to extend the belt service life
Engineered to effectively absorb material impact	Tightly in contact with the skirt rubber	Prevent dust and material spillage
Quick-disconnect design	Quick installation, convenient replacement	Reduce downtime

Impact Bed Dimensions



Technical Parameters

Model	Belt Width	L ₁	CH	N	E	A	L ₂	Q	F	Weight (kg)
QMH-IB-65X120	650	1200	185	3	950	890	240	220	170	260
QMH-IB-80X120	800	1200	188	3	1150	1090	270	220	170	305
QMH-IB-100X120	1000	1200	216	3	1350	1290	380	220	170	390
QMH-IB-120X120	1200	1200	246	3	1600	1540	465	220	170	495
QMH-IB-140X140	1400	1400	251	3	1800	1740	530	260	200	620
QMH-IB-160X140	1600	1400	296	3	2050	1990	600	260	200	740
QMH-IB-180X160	1800	1600	315	4	2280	2210	670	260	200	1050
QMH-IB-200X180	2000	1800	342	4	2500	2420	750	260	200	1340

Notes

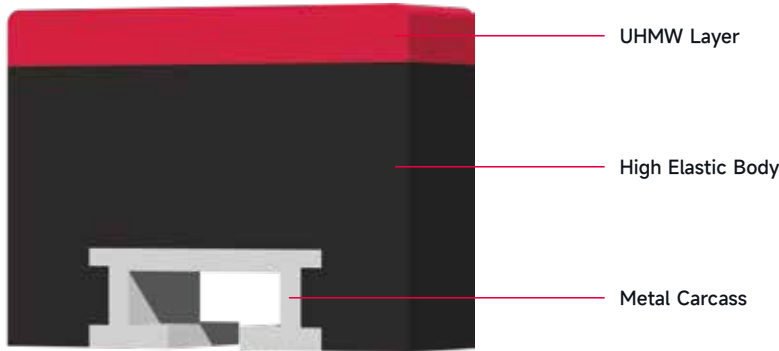
1. The distance between the two sides of the impact bed and the idlers can be set to 200mm.

2. All the above data can be adjusted accordingly as required by the general layout of the belt conveyor, and the troughing angle is adjustable.

3. The length of the impact bed can be manufactured according to actual design requirements, with standard lengths: 1000mm, 1200mm, 1400mm, 1500mm, 1600mm, 1800mm.

4. The CH value can be designed to match the central idler height of the troughing idler.

Impact Bar



Advantages

• Surface Layer

UHMW polyurethane adopted to deliver low friction.
Excellent buffering and wear resistance performance.
High impact resistance, effectively reducing material impact on conveyor belts.
Excellent water repellent/anti-stick/chemical resistance.



• High Elastic Body

Good tear resistance, excellent tensile strength and high elongation.



• Fabrication

UHMW layer, high elastic body and metal carcass are integrally vulcanized, ensuring stable product performance and extended service life.

• Metal Carcass

Steel carcass or aluminum alloy carcass.
Steel carcass available to be customized to deal with corrosion-resistant working conditions.

Benefits

- Reduce material impact protecting belt from damage
- Effectively prevent material spillage
- Extend belt operational lifespan
- Minimize downtime to boost productivity
- Lower maintenance costs

QMH-LD-0 · General Impact Bar

- QMH-LD-0 · general impact bar is intended for materials with high sulfur content such as coal.
- The steel carcass features excellent corrosion resistance in such working conditions.



QMH-LD-A · General Impact Bar

- QMH-LD-A · general impact bar is available for use in various working conditions.
- The arc-shaped surface design and special shock-absorbing rubber offer maximum protection to the belt.



Technical Parameters

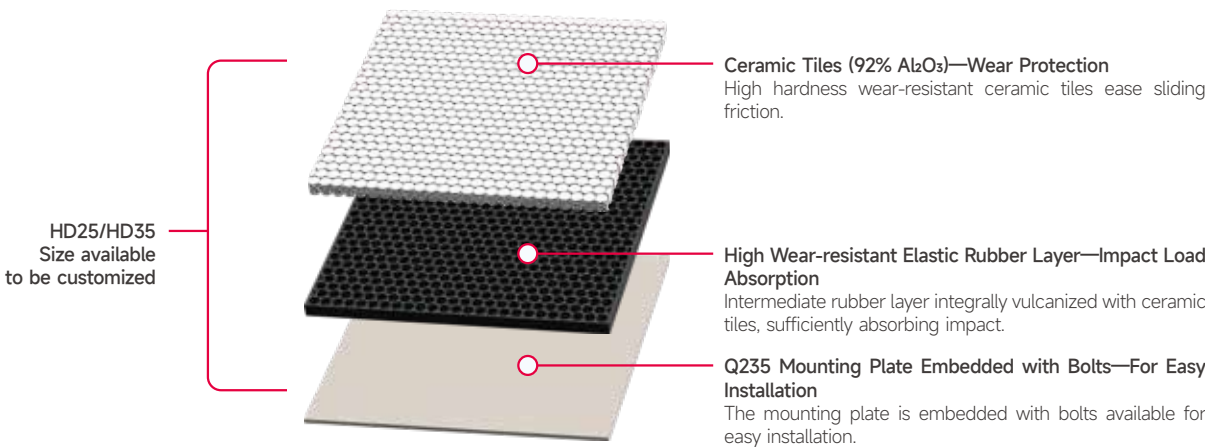
Specifications	Length.mm	Width.mm	Thickness.mm	Wear Layer Width.mm
QMH-LD-0	< 2000 Customizable	Top 100 Bottom 95	55	12.5
QMH-LD-A	< 2000 Customizable	Top 100 Bottom 95	75	12.5

Polyethylene Performance Parameters	
Tensile strength	≥20Mpa
Average molecular weight	≥500million
Coefficient of friction	≤0.15μ
Abrasion	≤90mm³
Density	0.1±0.05g/cm³

Rubber Performance Parameters	
Tensile strength	≥12Mpa
Elongation at break	≥350%
Hardness	60±5Shore
Abrasion	≤250mm³

WEAR PROTECTION PULLEY LAGGING

Wear Protection

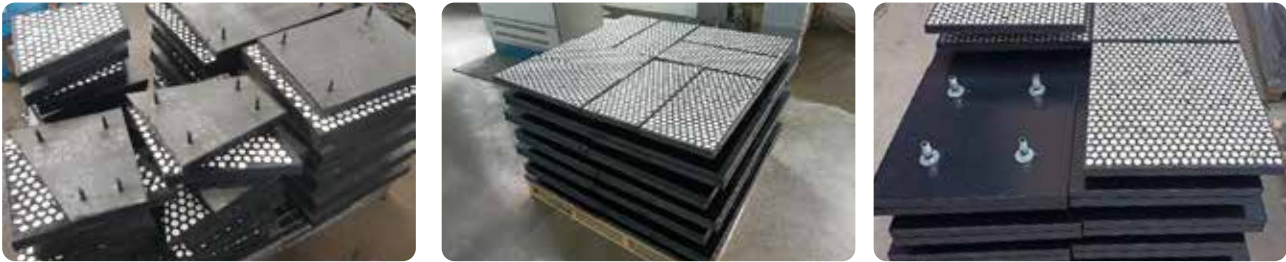


Size (mm)	Standard Stock Specifications: 250*250mm/250*500mm/500*500mm Common stock specifications: 150*300mm/200*300mm/300*300mm/450*300mm/530*450mm
Ceramic Size	Cylindrical (Ø10×10 mm, Ø10×19 mm), Rectangular Prism, or Hexagonal Prism (150×100×6 mm)
Rubber Thickness	2mm~15mm
Steel Plate Thickness	3mm~10mm
Compressive Strength	1200~2500Mpa
Lining Shape	The size and shape can be customized according to the situation of the chute or silo on site, and the special-shaped wear-resistant block can be produced.
Others	Optional: steel plate + rubber + ceramic or rubber + ceramic

Ceramic Wear Lining

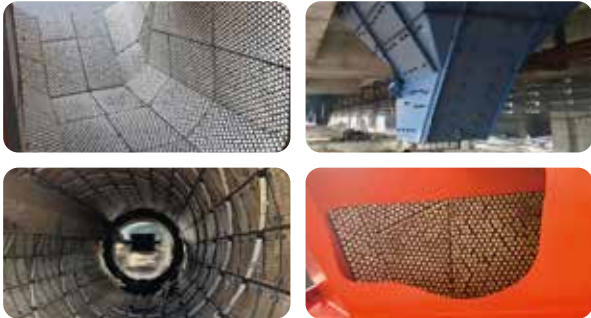
Benefits

- Alumina ceramic (Al₂O₃>90%) with hardness >HRA88 delivers wear resistance 270 times higher than manganese steel.
- Spherical surface design and quality buffering layer withstand impact caused by large sized materials.
- Ceramic tiles feature high strength, excellent corrosion resistance and water-repellent property, effectively prevent material sticking.
- Alumina ceramic has good chemical stability to resist to corrosion.
- Available to be used in environment at 0~250°C.
- Ceramic tiles, rubber and mounting plate are integrally molded to deliver high stability.
- Accommodate to different equipment with easy installation.
- Designed to be installed by bolting.
- Service life is 5 times higher than manganese steel without frequent maintenance.
- Shape, size and thickness can be customized to meet different requirement.



Applications

- Thermal power plant
- Steel
- Cement & building materials
- Smelting plant
- Machinery
- Coal
- Mining
- Chemical
- Coal chemical
- Port
- Commercial concrete

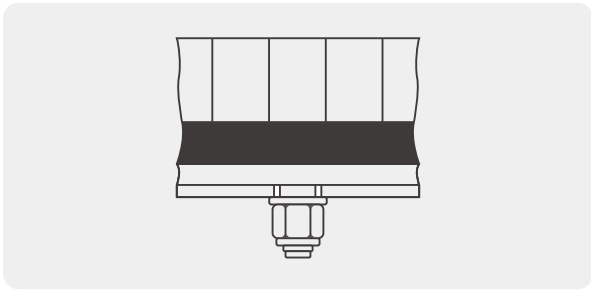


Installation Method

The ceramic wear lining (three-in-one) adopts modular design and is installed by bolting.

Mark lines and drill holes at the installation position (original installation holes can be used without additional drilling), then install the lining and tighten the bolts. The installation is flexible and convenient, requiring no additional tools.

Replacement is also simple by just replacing the worn piece.

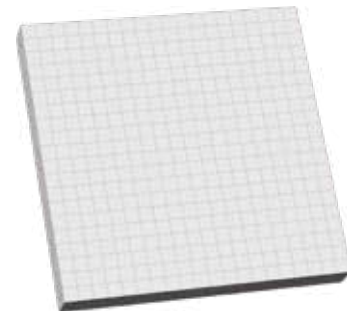


Wear Protection ■

Ceramic Wear Lining (two-in-one)

It a combination of ceramic piece and back plate with the same hardness and abrasion resistance as alumina ceramics. It is usually used with other structural parts considering its insufficient impact resistance.

- The ceramic has a hardness over HRA88 with strong impact resistance.
- It is suitable for use continuously at a temperature range of 0°C to 500°C.
- Each ceramic piece is designed with high-strength and wear-resistant bolts welded on the back plate. Strong adhesive bonding is also applied between the ceramic lining and back plate to ensure ceramic piece will not separate.
- Studs are reliably embedded onto the back plate by welding.
- The shape, size and thickness can be customized to meet your specific working conditions.



Polymer Lining

- Its wear resistance is 4 times higher than nylon 66 and PTFE, and 6 times higher than carbon steel.
- The surface is smooth with a low friction coefficient, not easy to bond with materials, and has a relatively low heat distortion temperature under stress.
- Its self-lubricating property is comparable to that of PTFE, with a friction coefficient of only 0.07 - 0.11.
- The impact strength is 2 times that of PC and 5 times that of ABS, and it can maintain high toughness at 196°C.
- High chemical stability and corrosion resistance to acids/alkali and aging.
- The shape, size, and thickness can be customized according to your specific applications.



Teflon Anti-stick Lining

- Free from stickness to almost all substances.
- Excellent heat resistance and low-temperature resistance
- Low friction coefficient.
- Water and oil repellent.
- Excellent wear resistance and stick free performance under load.
- Excellent corrosion resistance.
- Shape, size and thickness available to be customized.



QUALITY
MATERIAL
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Pulley Lagging

Cold Bond Pulley Lagging

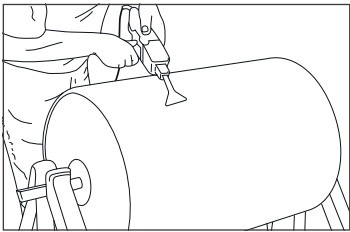
- Special CN layer requires no hot vulcanization and buffing, more environmentally friendly.
- Use with QMH cold bonding glue series for longer lasting and more stable quality.
- Increase service life by more than 3 times for customers.
- Lagging installed on site.
- Less downtime needed to complete lagging installation.
- Reduced works enable convenience and efficiency.



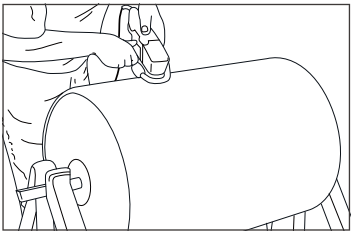
Cold Bond Pulley Lagging	Hot Vulcanizing Pulley Lagging
Lagging available to be installed on site without removing the pulley	Lagging to be replaced and installed at the factory
No extra equipment investment	Special hot vulcanization equipment required
Adhesion effect influenced by abmbient environment (temperature, humidity) and operator skills	Stable adhesion and not likely affected by abmbient environment
Less downtime and low operation cost	Extended downtime and high operation cost



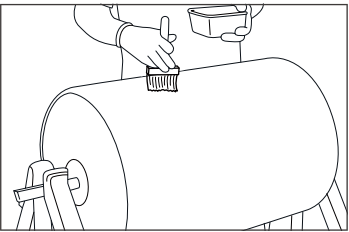
Cold Bond Pulley Lagging Operation Process



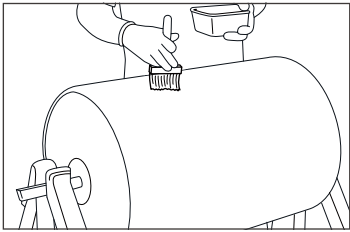
1. Remove old lagging with an electric impact drill.



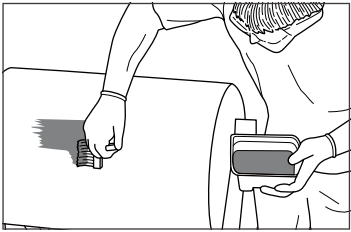
2. Use a grinder wheel to polish the metal surface to 90-140µm.



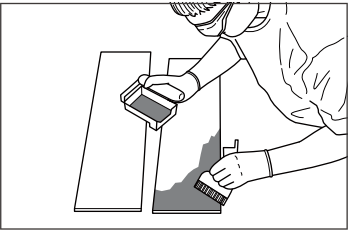
3. Use QMH® CLEANING SOLVENT cleaner to rinse the pulley surface.



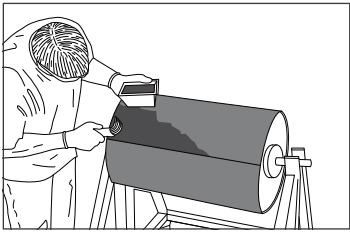
4. Coat the pulley surface with QMH® METAL PRIMER metal primer using a brush.



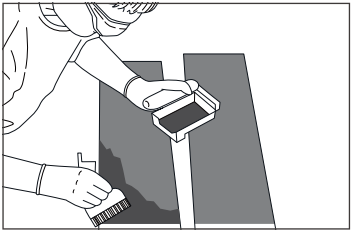
5. Coat the pulley surface with QMH® Cold-bonding Glue on using a brush.



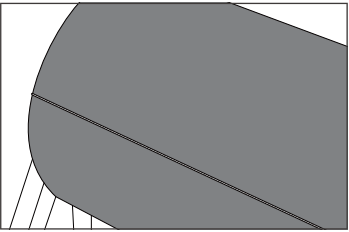
Coat the lagging strips with QMH® Cold-bonding Glue using a brush.



6. Apply a second coat of adhesive on the pulley.



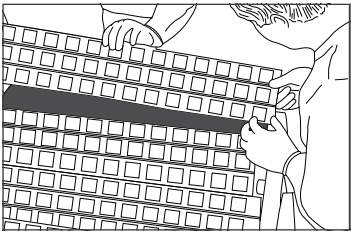
Apply a second coat of adhesive on the lagging strips.



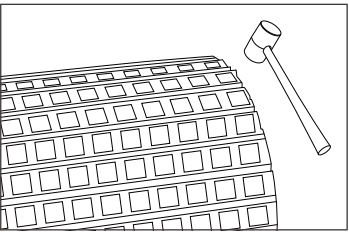
7. Mark a center line.



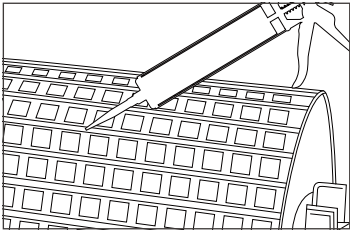
8. Install lagging strips.



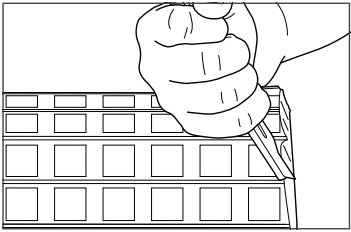
This step should be done when the glue is not completely dry and still sticky.



9. Tamping.



10. Seal any gaps with rubber sealer.

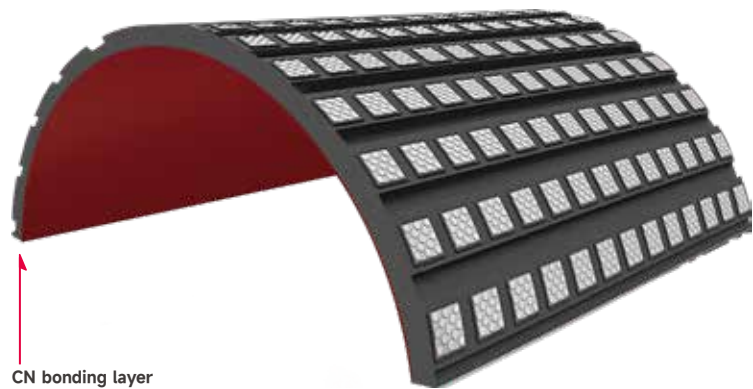


11. Trim the excess edge and seal.



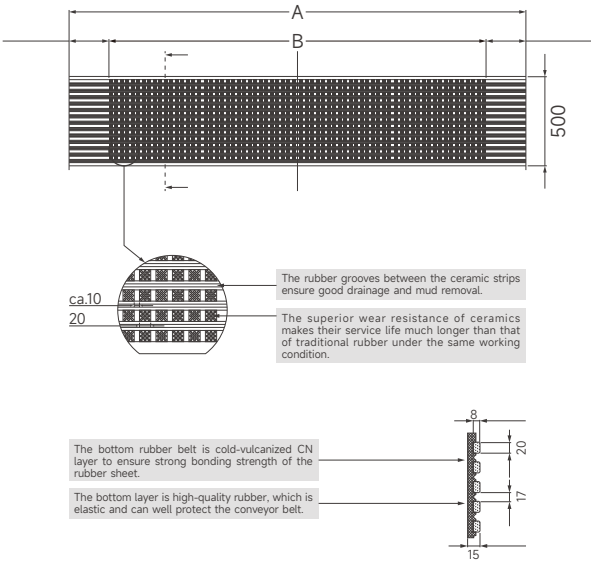
12. Pulley lagging is completed.

Ceramic Lagging



Features

- 92% aluminum oxide ceramic tiles embedded in rubber can prevent belt slipping.
- Rubber grooves between ceramic tiles can ensure good drainage and mud removal.
- Super wear resistance and long service life.
- The bottom layer is made of high-quality rubber to reduce the friction and wear between the conveyor belt and the driving pulley.
- Under the same load, the belt tension can be reduced and the belt life can be extended.



Friction Coefficient			
Working Conditions	Steel Surface (no lagging)	QMH Rubber Lagging	QMH Ceramic Lagging
Dry	0.35-0.40	0.40-0.45	0.75-0.85
Wet	0.10-0.15	0.33-0.38	0.50-0.80
Mud	0.05-0.10	0.22-0.30	0.45-0.50

Application

- Pulley lagging for harsh working conditions.
- Transport of various muddy, wet and highly abrasive materials.
- High strength, high tension conveying systems.
- Ceramic tiles with particles on the surface are suitable for driving pulleys.

Product	Model	Thickness (mm)	Width (mm)	Length (mm)	Property	Ceramic Length (mm)	Ceramic Spec (mm)	Pulley Length (mm)	Belt Width (mm)	CN Layer
39% Ceramic Wear Lagging	TCY-12 TCY-15	12/15	500	650	Y	500	20*20*8	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	
	TCY-20	20	500	650	Y	500	20*20*10	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	
39% Ceramic Flame-retardant Lagging	TCK-12 TCK-15	12/15	500	650	K	500	20*20*8	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	
	TCK-20	20	500	650	K	500	20*20*10	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	

Diamond Lagging



Features

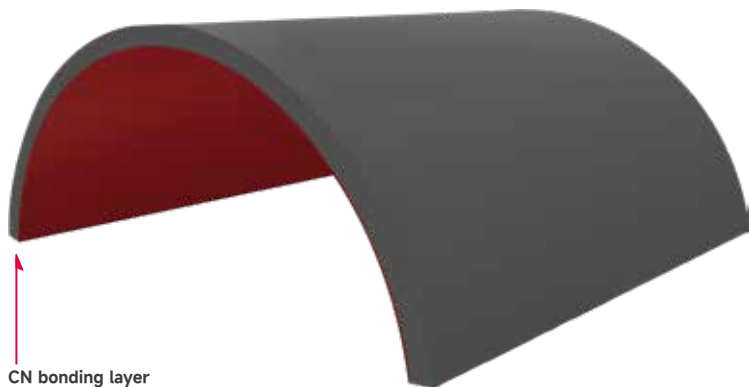
- The diamond-shaped groove is conducive to drainage and sewage discharge.
- Effectively avoid material accumulation on the drum surface and prevent the belt from running off track.
- Increase the friction between the drum and the belt to prevent the belt from slipping.
- Protect the drum and prevent the drum surface from wear and corrosion.

Applications

- Specially designed patterns, suitable for high-strength fabric belts and steel cord belts conveyor system pulley lagging.

Product	Specification	Packing Size (mm)	Weight (kg)
Diamond wear-resistant lagging	DRL10-2000/10000-X (B/O/R)	10×2000×10000	230
	DRL12-2000/10000-X (B/O/R)	12×2000×10000	280
	DRL15-2000/10000-X (B/O/R)	15×2000×10000	350
	DRL20-2000/10000-X (B/O/R)	20×2000×10000	470
Diamond flame-retardant lagging	DRL10-2000/10000-K (B/O/R)	10×2000×10000	230
	DRL12-2000/10000-K (B/O/R)	12×2000×10000	280
	DRL15-2000/10000-K (B/O/R)	15×2000×10000	350
	DRL20-2000/10000-K (B/O/R)	20×2000×10000	470

Flat Lagging



Features

- Effectively prevent material accumulation on the pulley surface and prevent belt misalignment.
- Increase the friction between the pulley and the belt to prevent the belt from slipping.
- Protect the pulley and prevent the pulley surface from wear and corrosion.
- With the QMH engraving machine, it can engrave various sizes of patterns (diamond, herringbone, etc.) on flat rubber plates.

Applications

- Pulley lagging for medium and high tension conveyor belt.
- Bend pulley lagging.

Product	Specification	Packing Size (mm)	Weight (kg)
Flat wear-resistant lagging	PRL10-2000/10000-X (B/O/R)	10×2000×10000	298
	PRL12-2000/10000-X (B/O/R)	12×2000×10000	333.5
	PRL15-2000/10000-X (B/O/R)	15×2000×10000	400
	PRL20-2000/10000-X (B/O/R)	20×2000×10000	521
Flat flame-retardant lagging	PRL10-2000/10000-K (B/O/R)	10×2000×10000	298
	PRL12-2000/10000-K (B/O/R)	12×2000×10000	399
	PRL15-2000/10000-K (B/O/R)	15×2000×10000	457
	PRL20-2000/10000-K (B/O/R)	20×2000×10000	595

REPAIR MATERIALS SPLICING MATERIALS

Cold Bonding System ■

QMH® COLD-BONDING GLUE

QMH® Cold-bonding Glue

QMH® Cold-bonding Glue is a two-component cold vulcanizing adhesive based on chloroprene rubber (CR). It is intended for: Rubber to rubber, rubber to fabric, fabric to fabric bonding Belt cold splicing, belt repair, etc.

750g



QMH® H02

QMH® HARDENER (H02)

Available to be used with hydroxyl polyurethane, polychloroprene, natural rubber and synthetic rubber adhesives as a crosslinking agent. It is specially designed for the QMH® Cold-bonding Glue .

30g



QMH® MP

QMH® METAL PRIMER

Designed for use with QMH® Cold-bonding Glue to improve plastic-to-metal and rubber-to-metal adhesion.

700g



QMH® CS

QMH® CLEANING SOLVENT

Used to remove dust, grease, oil and other chemical pollutants from metal and rubber surfaces.

1.5L



Cold Bonding System

QMH® Cold-bonding Glue

Features

- Deliver high bonding strength equivalent to hot vulcanization boding.
- Eliminate the need for vulcanization presses or other heavy equipment—achieves industrial-grade bonding with simple hand tools and minimal space requirements on site.
- Enable rapid repairs with immediate return-to-service capability, minimizing downtime and production losses.
- Feature intrinsic flame-retardant properties for both surface and underground applications.
- Deliver equivalent premium-grade performance at lower cost.



Application

QMH® Cold-bonding Glue is a two-component cold vulcanizing adhesive based on chloroprene rubber (CR). It is designed for use with QMH® Hardener (H02) for:

- Rubber to rubber, rubber to fabric, fabric to fabric, rubber to metal bonding.
- Abrasion-resistant and corrosion protection applications (rubber to metal bonding such as pulley lagging and wear lining applications).
- Belt cold splicing, belt repair, etc.

Base Material	Chloroprene rubber (neoprene)		
Color	Black		
Density	Approximately 1.45 g/cm³		
Surface Curing Time	~10 minutes (at 20°C)		
Pot Life	~2 hours (at 20°C)		
Shelf Life	48 months		
Storage Conditions	Store in sealed barrels in dry and cool conditions at room temperature 20~25°C, humidity ≤ 50%		
Packaging	750g/can		
Adhesion	Rubber to Rubber	24H ≥ 6N/mm	72H ≥ 8N/mm
	Fabric to Fabric	24H ≥ 5N/mm	72H ≥ 7N/mm
	Rubber to Metal	24H ≥ 8N/mm	72H ≥ 12N/mm

QMH® METAL PRIMER

Application

QMH® Metal Primer is a chlorofluorocarbon (CFC)-free primer used in conjunction with QMH® Cold-bonding Glue to improve plastic-to-metal and rubber-to-metal adhesion.



Color	Gray
Viscosity	90–170 mPa·s
Density	0.92–0.96 g/mL
Surface Curing Time	~30 minutes
Coverage	~50–200 g/m² per coat
Storage Conditions	Store in sealed barrels in dry and cool conditions at room temperature 20~25°C, humidity ≤ 50%
Shelf Life	>12 months
Packaging	700g/can

Cold Bonding System

QMH® CLEANING SOLVENT

Application

QMH® CLEANING SOLVENT is a solution that does not contain water. It is often used to remove dust, grease, oil and other chemical pollutants from metal and rubber surfaces.



Density	1.40g/cm³
Storage Conditions	Store in sealed barrels in dry and cool conditions at room temperature 20~25°C, humidity ≤ 50%
Shelf Life	>12 months
Packaging	1.5L/can

QMH® HARDENER

Application

QMH® Hardener (H02) is a CFC-free hardener that acts as a crosslinking agent, compatible with hydroxyl polyurethane, polychloroprene, natural rubber and synthetic rubber adhesives. It is specifically designed for use with QMH® Cold-bonding Glue system.



Operation	Brushing or coating
Coverage	Approximately 250g/m³ per layer
Storage Conditions	Store in sealed barrels in dry and cool conditions at room temperature 20~25°C, humidity ≤ 50%
Shelf Life	>24 months (unopened)
Packaging	30g/bottle

Quick Repair System

QMH® Q2 Quick Repair System

Features

- Simple and quick application
- No need for special tools
- Easy to operate
- Reduce downtime and improve equipment utilization
- High cost-effectiveness for repair

Applications

- Repair of conveyor belt surface damage and longitudinal tears
- Seal maintenance
- Rubber lining joint filling
- Filling V-shaped interfaces of pulley lagging
- Repair of rubber components

Specifications

- QMH Solution Q2 A/B: 1000g/can
 - QMH Compound Q2 A/B: 20*5500mm/roll
 - QMH Q2 Cleaning Rubber: 18*3000mm/roll
-
- QMH Q2 Solution A/B is a two-component solution, which is used in conjunction with QMH Q2 Compound A/B.
 - QMH Q2 Compound A/B is a two-component rubber material. After being heated and mixed by a QMH Q2 glue gun, it can be used for filling and repairing without additional hot vulcanization equipment.
 - QMH Q2 Cleaning Rubber is a non-vulcanizable rubber, mainly used for internal cleaning and preheating of the QMH Q2 glue gun.



Repair Materials

Repair Strip

Features

- CN layer/vulcanized layer on back
- Resist to tensile force, wear and heat

Applications

- **Standard Repair Strip:** Ideal for repairing long scratches on conveyor belts
- **Reinforced Repair Strip:** Suitable for repairing all types of conveyor belt tears and structural damages

Specifications

Standard Repair Strip	100*10000mm/150*10000mm/220*10000mm/300*10000mm/400*10000mm
Reinforced Repair Strip	100*10000mm+/150*10000mm+/220*10000mm+/300*10000mm+/400*10000mm+



Diamond Repair Patch

Features

It is designed with vulcanized layer and features good tensile strength and simple operation processes. Using with QMH vulcanizing agent can effectively improve the adhesion strength.

Applications

- **Standard Diamond Repair Patch:** Suitable for repairing small rubber abrasions
- **Reinforced Diamond Repair Patch:** Ideal for repairing structural abrasions

Specifications

Standard/Reinforced Diamond Repair Patch	160*130mm/260*200mm/360*270mm
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Splicing Materials

Cover Rubber

The cover rubber is used for both fabric and steel cord conveyor belts. It features proper tensile strength and abrasion resistance. When joining fabric conveyor belts, applying cover rubber to seal the joint enhances wear resistance at the splice and maintains the belt's overall integrity.



Features

- Joints can withstand high temperatures.
- Suitable for both steel cord belts and fabric belts.
- Applicable to conveyor belts from different manufacturers.
- Good fluidity with rubber flow defoaming agents.
- Vulcanization is still available after a power outage if pressure is maintained.
- Shelf life: 24 months.

Applications

- They are applicable to hot vulcanized splicing and repairs for steel cord and fabric conveyor belts.
- The joints can withstand instantaneous high temperatures of around 180°C, making them suitable for bonding high-temperature materials.

Specifications

3*500mm / 4*500mm / 5*500mm

Splicing Materials

Intermediate Rubber (Tie Gum)

The intermediate rubber (tie gum) serves to enhance the bonding strength of the vulcanized part of the conveyor belt, improve the overall tensile strength of the conveyor belt and prevent steel cords from pulling out.



Features

- Joints can withstand high temperatures.
- Suitable for both steel cord belts and fabric belts.
- Applicable to conveyor belts from different manufacturers.
- Good fluidity with rubber flow defoaming agents.
- Vulcanization is still available after a power outage if pressure is maintained.
- Shelf life: 24 months.

Application

- They are applicable to hot vulcanized splicing and repairs for steel cord and fabric conveyor belts.
- The joints can withstand instantaneous high temperatures of around 180°C, making them suitable for bonding high-temperature materials.

Specifications

0.8*500mm / 2*500mm

Rubber Solution

The rubber solution is a flame-retardant high-performance adhesive. It features high temperature resistance, water resistance, oil resistance, aging resistance, non-combustibility when exposed to open flame and high bonding strength. It is widely used for hot vulcanized splicing of fabric belts, steel cord belts, solid woven conveyor belts and polyurethane conveyor belts. When performing hot vulcanized splicing, the rubber solution needs to be used in conjunction with uncured intermediate rubber and cover rubber.



Operation Instructions

- Make the splicing steps on the conveyor belt. After the splicing steps are prepared, use an angle grinder to grind the step surface in a zigzag manner.
- Apply the rubber solution evenly on the grinded area, as well as on the uncured intermediate rubber and cover rubber. Then lay the intermediate rubber and cover rubber flat on the steps.
- Use a vulcanizing machine to heat up and pressurize the splicing surface. When the temperature reaches 145°C, a constant temperature of 40-45 minutes is required. After it reaches the specified vulcanizing time, stop heating.
- After the vulcanizing machine cools down, remove it. Use a knife to trim the joint.

Sealing Rubber

The sealing rubber serves to bond the joint area of the conveyor belt to prevent the joint parts from breaking.

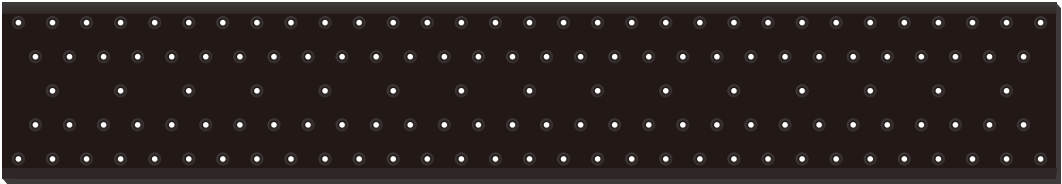


Noodle Rubber

The noodle rubber is used to fill the gap between the steel cords at the joint of steel cord conveyor belt to enhance the bonding strength.



Splicing Materials



Fast Screw

The QMH fast screw can be used for belt repair and spicing as an alternative for hot vulcanized repair and splicing.

Features

- Suitable for conveyor belts of various thicknesses.
- Applicable to nylon belts, polyester belts, PVC/PVG belts, Chevron belts, pipe belts, sidewall belts, and steel cord belts.
- Capable of repairing various damages to conveyor belts, including large scratches, tears, through holes and rubber loss.
- Easy and quick to operate without using vulcanizing machine.
- Simple and fast operation (within approximately 2 hours), reducing downtime and losses.
- Minimal requirements for the working environment.
- Unaffected by extreme weather conditions such as rain, snow, ice, and frost.
- Low demand for operating space, not restricted by certain special narrow working environments.
- High strength, cut resistance, and elasticity; resistant to heat, wear, acid, alkali, high temperature, and oil; special requirements can be customized.
- Integrated design, no leakage of conveyed materials, and no hinges.
- Compatible with various sizes of rollers and cleaners.



Selection Guidance

- The thickness of the conveyor belt determines the length of the screw.
- Rubber quality shall be subject to the conveyor belt (abrasion resistant/heat resistant/ acid and alkali resistant, etc).
- Conveyor belt width=splicing length (the belt strength≤600N/mm).
Conveyor belt width*1.06=Splicing length.
- Screw length is subject to demand.

Model					
	H400 Belt Strength ≤ 400N	H650 Belt Strength ≤ 650N	H1000 Belt Strength ≤ 1000N	H1400 Belt Strength ≤ 1400N	H2000 Belt Strength ≤ 2000N
Item					
Carcass Thickness mm	2-10	2-10	4-16	4-16	4-16
Belt Strength N/mm	500	650	1000	1400	1800
Min. Pulley Dia. mm	150	150	200	300	300
Belt Availability	EP400/ EP500	EP500 / EP650	EP800 / EP1000	EP1200 / EP1400	EP1600 / EP1800 / EP2000

Splicing Tools ■

Mechanical Fastener

Applications

The mechanical fasteners are suitable for use with conveyor belts with strength $\leq 1400\text{N/mm}$.

Features

- Highly adaptable to conveyor belts, excellent troughability at joints, minimal damage caused to the belt.
- Easy to be used with low labour intensity.
- High belt splicing strength.
- Excellent abrasion resistance and long service life.



Elevator Belt Splicing Fastener

A bucket elevator belt splicing fastener is used to secure the belt in bucket elevators. It is designed to provide a reliable joint for the belt, ensuring proper operation and safety in elevator systems.

- The splicing fastener is designed for easy installation and operation.
- Belt can be effectively protected from damage.
- The splicing fastener delivers high reliability to ensure safe operation of the belt.



Hot Vulcanization Press

Features

- Small in size and light in weight.
- Three-phase motor power system, uniform hot plate temperature and the pressure system supply (0-1.8MPa).
- Automatic electric control box, easy to operate and reliable in operation.



Application

- It is widely used for hot splicing of the fabric and steel cord conveyor belt on the job site. Please be noted that the job site shall be free from explosive gas and corrosive gas.

Technical Parameters

- Vulcanization Pressure: 1.0-2.0MPa
- Vulcanization Temperature: 145°C
- Surface Temperature Difference: $\pm 3^\circ\text{C}$
- Warming-up Time: $\leq 50\text{min}$ (from room temperature to 145°C)
- Voltage: 380V@50Hz
- Control Box Output Power: 36Kw
- Temperature Adjustment Range: 0~200°C
- Timing Adjustment Range: 0~59min
- The gap between the upper and lower heating plates is no more than 0.5mm when pressurized to 0.8MPa

Sidewall and Cleat Hot Assembling Tool

The sidewall and cleat hot assembling tools are used for hot assembling of sidewall and cleat at the splicing area as well as the hot repairing of sidewall and cleat on site.



Sidewall Splicing Mold

It is used for sidewall splicing and repair and applicable for sidewall with base width from 50-105mm.



Customer Benefits

Efficiency

QMH connects all aspects of market demand, production, quality, technical support and after-sales service. The whole system service improves the efficiency of creating value for customers and improves operational efficiency.

Safety

QMH focuses on quality control to provide reliable support for the sustainable and safe operation of the conveying system, and customizes the integrated solution of intelligent conveyor belts to make safe operation smarter.

Cost-effectiveness

QMH can extend the life of the conveying system and reduce system maintenance costs by providing more reliable products and technical solutions, thus reducing the overall operating costs for customers.

Full cycle

QMH provides a service system centered on customer needs, and has established a full chain service from R&D, design, production, delivery, and maintenance to help customers manage projects conveniently, accurately, and efficiently.