

IHI

OVERHEAD TRAVELING CRANE



IHI Transport Machinery Overseas Offices

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IHI Overseas Offices

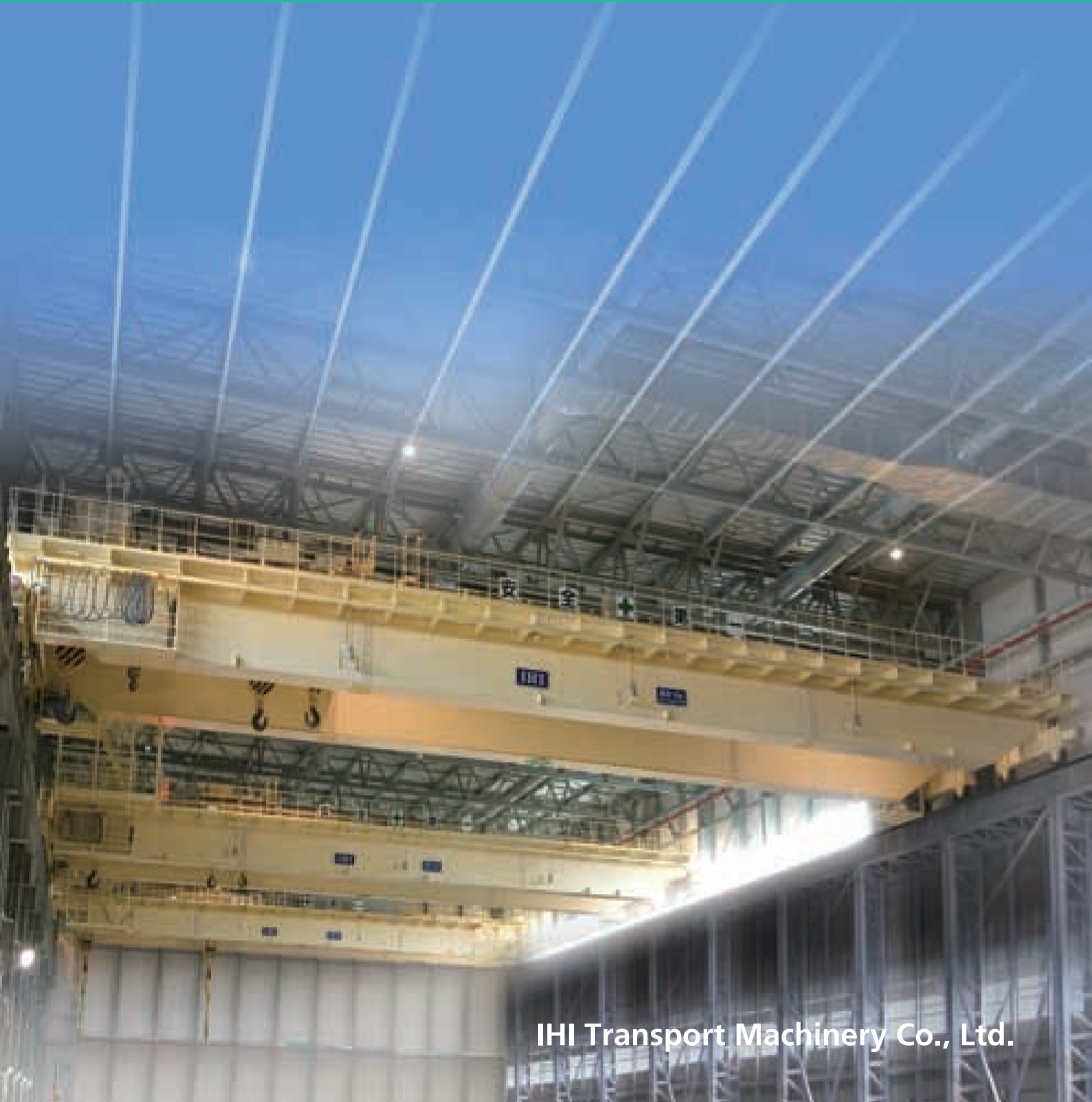
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IHI Transport Machinery Co., Ltd.

To meet your safety, operational, and maintenance needs, we are pleased to offer our new and improved high performance cranes!

With our cranes, you can enjoy:

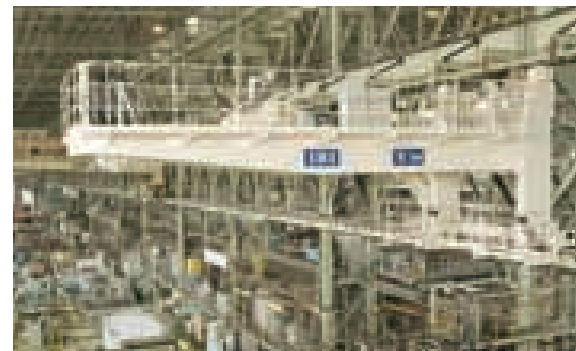
- The reliability and advanced technical expertise of a company with a long history of crane manufacture
- Lower construction costs along with the more efficient use of space
- Reduced operating costs and an operator-friendly system
- A short delivery time
- A wide variety of options to meet your exact expectations and needs (inverter control, wireless controllers, explosion protection, etc.)



Overhead Traveling Crane with Double Rail Hoist



Gantry Crane with Hoist



Wall Crane with Hoist



Overhead Traveling Crane with Mono Rail Hoist



Suspension Type Overhead Traveling Crane with Hoist



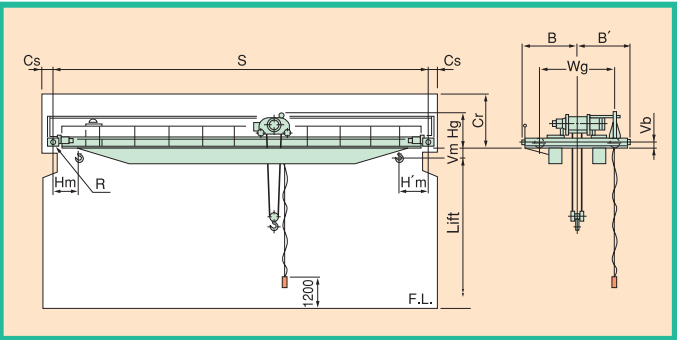
Overhead Traveling Crane
with Double Rail Hoist

Particulars

Rated load		5Ton			10Ton			20Ton				
Hoisting	Lift	(m)			12							
	Speed	(m/min)			8		6		5			
	Motor	Output	(kW)			7.5		12		20		
		Duty factor	40%ED			25%ED						
		Type	Totally enclosed squirrel-cage three phase induction motor									
Control		VVVF										
Traversing	Speed	(m/min)			25		18					
	Motor	Output	(kW)			0.6		1		1.8		
		Duty factor	30min									
		Type	Totally enclosed squirrel-cage three phase induction motor									
	Control		VVVF									
Traveling	Span	(m)			~15	~21	~27	~15	~21	~27		
	Speed	(m/min)			24							
	Motor	Output	(kW)			0.4x2sets	0.75x2sets			1.5x2sets		
		Duty factor	30min									
		Type	Totally enclosed squirrel-cage three phase induction motor									
	Control		VVVF									
Operation		Push button switch box										
Power source		AC380V 50Hz 3Phase										

Dimensions

Mark	Rated load		5Ton			10Ton			20Ton		
	Item										
S	Span	(m)	~15	~21	~27	~15	~21	~27	~15	~21	~27
Cr	Head Room	(mm)	1800								
Cs	Side Room	(mm)	250								
R	Traverling Rail	(kg/m)	22	30							
Vm		(mm)	110		60	430	380		500		
Hm		(mm)	800			850			950		
Hg	Crane height	(mm)	1000		1050	1100	1150		1350		
Vb	Buffer height	(mm)	79			74		78			
B1	Crane width (Driving side)	(mm)	1482.5	1590	1818	1592.5	1685	1895	2028	2264	
B2	Crane width (Driven side)	(mm)	1362.5	1505	1607	1505.5	1603	1803	2000	2264	
Wg	Wheel Base	(mm)	2195	2390	2590	2395	2540	2840	3150	3500	



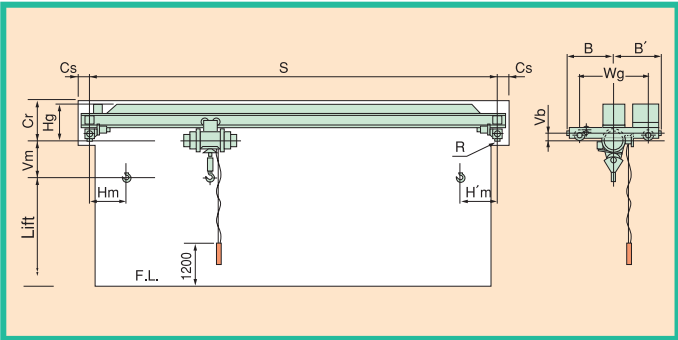
Overhead Traveling Crane
with Mono Rail Hoist

Particulars

Rated load			1Ton		2Ton		3Ton		5Ton		
Hoisting	Lift (m)		12								
	Speed (m/min)		13		10				8		
	Motor	Output (kW)	2.4		3.5		5.3		7.5		
		Duty factor	40%ED								
		Type	Totally enclosed squirrel-cage three phase induction motor								
Control			VVVF								
Traversing	Speed (m/min)		25								
	Motor	Output (kW)	0.26		0.6				1		
		Duty factor	30min								
		Type	Totally enclosed squirrel-cage three phase induction motor								
	Control			VVVF							
Traveling	Span (m)		~9	~20	~9	~20	~9	~20	~9	~20	
	Speed (m/min)		24								
	Motor	Output (kW)	0.25×2sets							0.4×2sets	
		Duty factor	30min								
		Type	Totally enclosed squirrel-cage three phase induction motor								
	Control			VVVF							
Operation			Push button switch box								
Power source			AC380V 50Hz 3Phase								

Dimensions

Mark	Rated load Item		1Ton		2Ton		3Ton		5Ton		
S	Span	(m)	~9	~20	~9	~20	~9	~20	~9	~20	
Cr	Head Room	(mm)	700	900					950	1000	
Cs	Side Room	(mm)	220						250		
R	Traverling Rail	(kg/m)	15		15 or 22						22 or 30
Vm		(mm)	570	520	710	660	880	830	790	740	
Hm		(mm)	800		850		900		1000		
Hg	Crane height	(mm)	630	800	830		850		880	930	
Vb	Buffer height	(mm)	50	80	60	80	70	80	80	100	
B1	Crane width (Driving side)	(mm)	800	1350	800	1350	800	1350	1150	1350	
B2	Crane width (Driven side)	(mm)	800	1350	800	1350	800	1350	1150	1350	
Wg	Wheel Base	(mm)	900	1400	900	1400	900	1400	1200	1400	





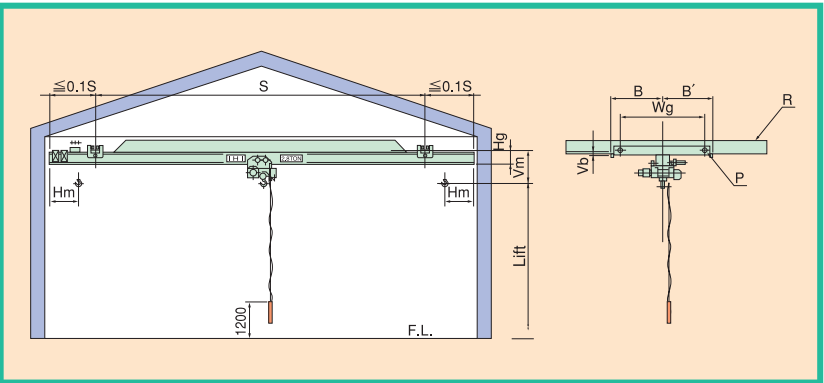
Suspension Type
Overhead Traveling Crane with Hoist

Particulars

	Rated load		1Ton		2Ton		3Ton		5Ton		
Hoisting	Lift (m)		12								
	Speed (m/min)		13		10				8		
	Motor	Output (kW)	2.4		3.5		5.3		7.5		
		Duty factor	40%ED								
		Type	Totally enclosed squirrel-cage three phase induction motor								
Control		VVVF									
Traversing	Speed (m/min)		25								
	Motor	Output (kW)	0.26		0.6				1		
		Duty factor	30min								
		Type	Totally enclosed squirrel-cage three phase induction motor								
	Control		VVVF								
Traveling	Span (m)		~9	~15	~9	~15	~9	~15	~9	~15	
	Speed (m/min)		24								
	Motor	Output (kW)	0.25x2sets	0.4x2sets	0.25x2sets	0.4x2sets	0.25x2sets	0.4x2sets		0.75x2sets	
		Duty factor	30min								
		Type	Totally enclosed squirrel-cage three phase induction motor								
Control		VVVF									
Operation			Push button switch box								
Power source			AC380V 50Hz 3Phase								

Dimensions

Mark	Rated load		1Ton		2Ton		3Ton		5Ton	
	Item									
S	Span	(m)	~9	~15	~9	~15	~9	~15	~9	~15
R	Traveling Rail (I-beam height)	(mm)	100 or 125	125 or 150	100 or 125	125 or 150	125 or 150			
Vm		(mm)	720	770	830	880	970		1130	
Hm		(mm)	400		500				600	
Hg	Crane height	(mm)	280	330	320	370		430		
Vb	Buffer height	(mm)	65						85	
B1	Crane width (Driving side)	(mm)	750	1100	750	1100	950	1100	950	1100
B2	Crane width (Driven side)	(mm)	750	1100	750	1100	950	1100	950	1100
Wg	Wheel Base	(mm)	1100	1800	1100	1800	1400	1800	1400	1800



Hoist Type

Introduction of Products

GV Type

Original inverter specially developed for hoist has realized the miniaturization and versatility.

Functions, which detect the hook position and change to higher hoisting speed when zero load is detected, offer high level of operation efficiency.

G Type

For high frequency use

G type series is heavy - duty type hoists for applications involving high frequency operations. Its hoisting speed and the duty class is the highest available. For more safety, a microprocessor control circuit which automatically prevents overloading is equipped.

JV Type

This hoist is produced by utilizing the power electronics technology accumulated by IUK and has new variable speed type.

This type is popular for excellent operation.

J Type

For medium frequency use.

This hoist is structurally simple and economical with real capability.

This hoist is provided with one class higher capability and both power and worthy of its real capability and economical efficiency.



GV Type

Production model

Type	Frequency of use	Type of Control system		1/2	1	2	3	5	7.5	10	15	20	30	45	60
		Inverter	Magnetic contactor												
Variable Speed Type	GV	High	○	○	○	○	○	○	○	○	○	○	○	○	○
	JV	Medium	○		○	○	○								
Fixed speed type	G	High		○	○	○	○	○	○	○	○	○	○	○	○
	J	Medium			○	○	○								

Our limitless variations create a world of possibilities for greater work efficiency

The IUK Crab Trolley Overhead Traveling Crane is one of the most advanced overhead traveling cranes to be designed for use in any kind of workshop or factory.

All of our products offer superior safety, durability and ease of operation.

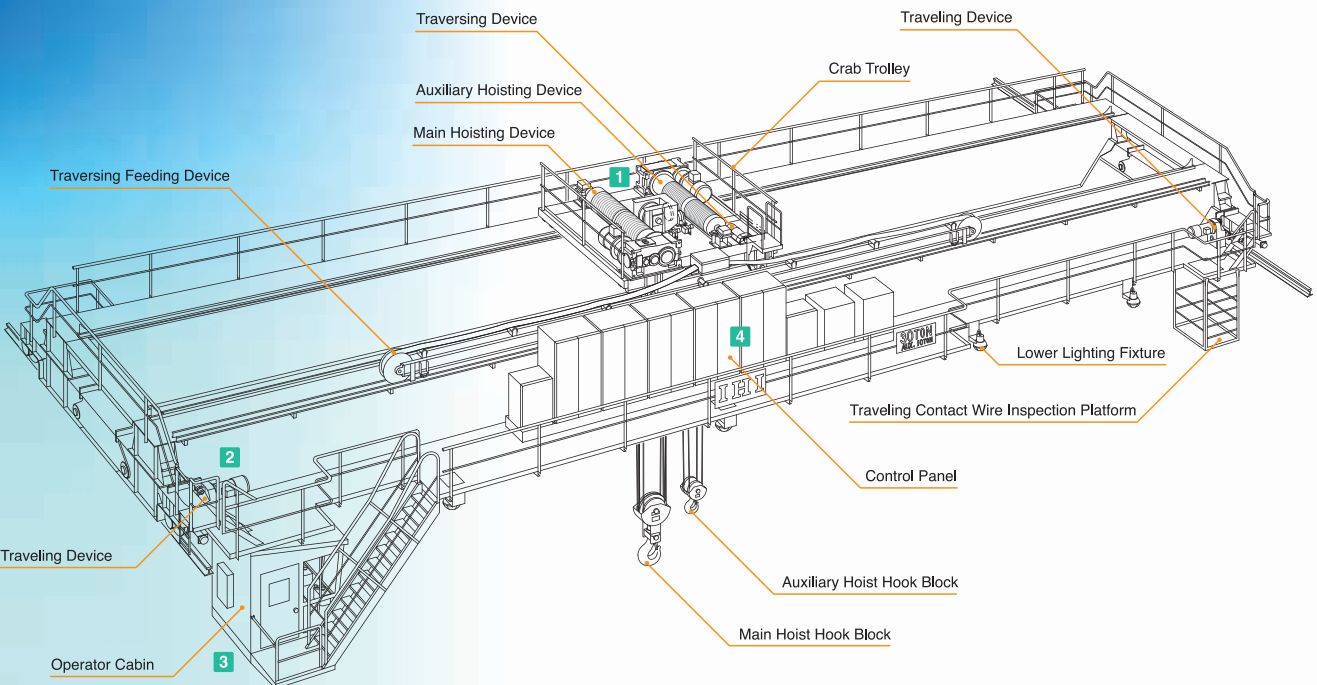
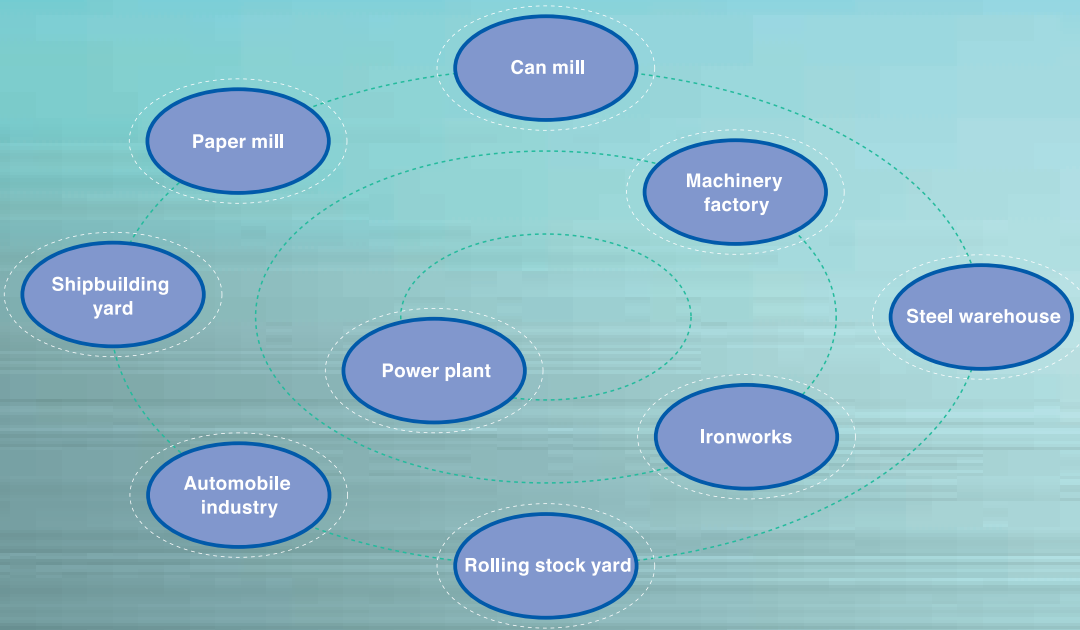
With a rated load capacity of 1 to 400 tons, they will fit a variety of needs, and their flexibility of use has already earned them a high reputation in many industries.

Our Crab Trolley Overhead Traveling Cranes will contribute to your work efficiency with their high-speed performance and wide range of functions.

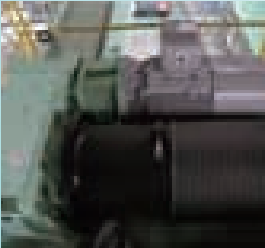


How different is our Overhead Traveling Crane?

- 1.A light-load high-speed control system improves work efficiency
- 2.A simple trolley enables significantly improved sideways motion
- 3.A lighter and more compact body reduces wheel load
- 4.Inverter control gives brake lining a longer life
- 5.A simplified design with less parts reduces operating costs
- 6.The positioning of rope sheaves on the crab trolley allows for easier maintenance
- 7.An improved rate of outfitting at the time of factory shipment cuts down on the time required for site installation



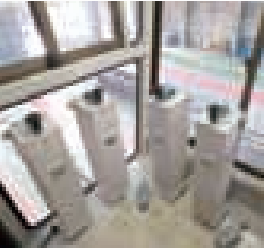
1 Mail Hoisting Device



2 Traveling Device



3 Operator's Cabin



4 Control Panel





For Automobile Factory 30t×23.5m Overhead Traveling Crane



For Shipbuilding Yard 50/10t×44m Overhead Traveling Crane



For Metal Warehouse 33t×28.2m Overhead Traveling Crane With Moving Operator Cab



For Machine Shop 30/10t×20m Overhead Traveling Crane