

HIGH SPEED LINKING AND HANGING SYSTEM FOR ARTIFICIAL CASING

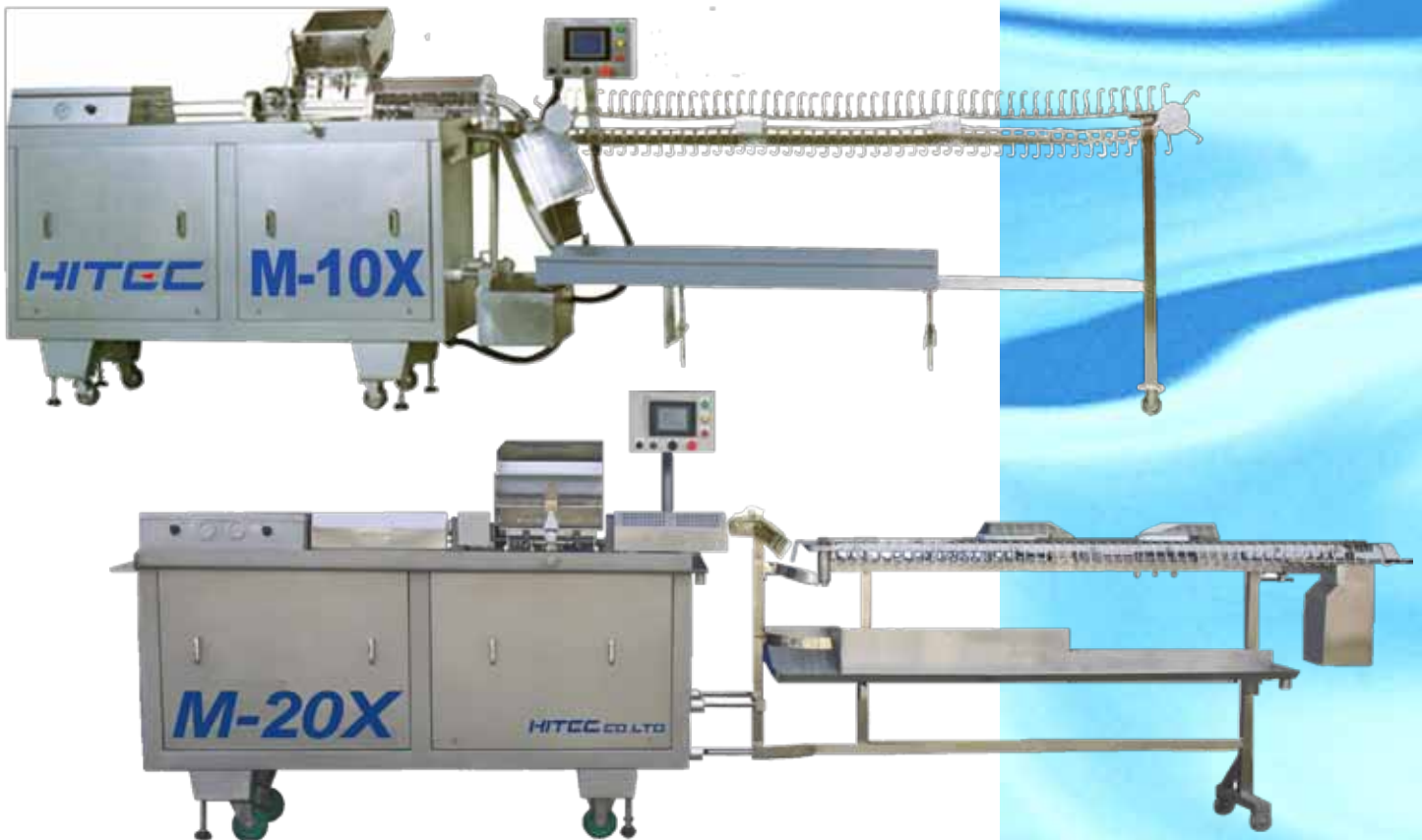
HITEC

Patented in the U.S.A.

HITEC M-10X

HITEC M-20X

Newly produced, high speed automatic stuffing, linking,
and hanging system applicable both for collagen and cellulose casings



The most advanced, high speed automatic linking machine, "HITEC M-10X " with improved all its user friendly, durable, high speed, wide use and maintenance free features.

With more stability in collagen stuffing on the conventional "AUTO WIENKER 10", it is a machine adopting further improved features of high speed, more durability, and easy operation.

A machine adopting the most advanced technology to help you completely control your process. All vital information can be stored electronically to provide you with a library of all your products.

Also important history of the machines past performance records. Complete dominate on the HITEC M-10. Changeovers are done with the touch of a button without the necessity of sprockets or a looper horn, all within 5 minutes.

Drive of Metering pump with Servo motor

In view of further improving the precise weight performance of the well established HITEC M-10, HITEC M-20 in producing exact weight sausages, the motor for metering pump is changed to the servo motor, which are "HITEC M-10X, HITEC M-20X" Series. Because ON/OFF change with electromagnetic clutch becomes unnecessary, the motor durability is increased and the maintenance becomes much easier.



A redesigned main body

Housed by a completely redesigned main body, all components are very easily accessible. The new unibody construction design of the main body offers exceptional strength but also insures no problems due to water invasion.

Even simpler electrical/mechanical drives

All three function are controlled independently by separate inverter driven motors offering minimum wear parts yet extremely high production rates. Full and easy access offers fast and easy trouble shooting.

Improved electrical design

All electrical components are housed separately in an exclusive stainless steel waterproof box. Thanks to a much wider door opening, operations such as parts exchanging can be performed very easily.

HITEC M-10X

HITEC M-20X



OPERATOR FRIENDLY MONITOR

All your necessary information displayed at a moment notice, quick and easy.

Easy changing of products

Easy as 1. 2. 3.

1. Confirm you have the correct linking chain, tube size, chuck, and hopper adjustment.
2. Select the desired preprogrammed product code.
3. Push the start button.

Everything is stored and predetermined. Machine speed, pump speed, front and tail of casing, twist, etc, the same every time!!

Production control

All vital data including cycles run, set points, etc, can be checked at anytime.

Maintenance and troubleshooting

If any type of problems occur during operation, its location will be displayed immediately. Also, it can quickly be resolved with a flow chart for the machine.



A revolutionary breakthrough over the conventional looper horn which moves to hang product over J-hooks.

Our system allows precise hanging by simply allowing the product to "slide" to the conveyor hooks without the need for more wear parts as on a looper system.



More durable metering pump (Patented in the U.S.A)

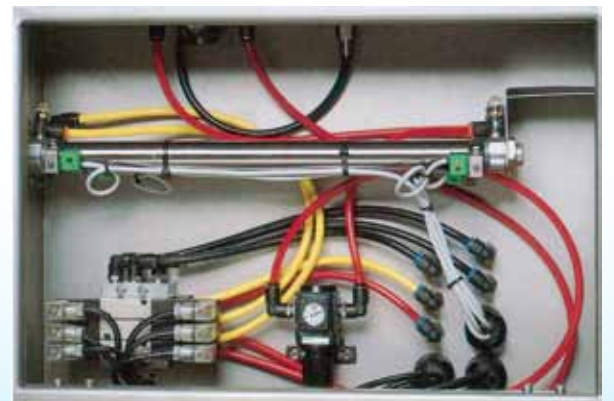
The metering pump offers increased durability compared to conventional ones. Our design offers excellent long term weight control with less necessary overhauls.

A Servo motor starts and stops the pump precisely without slippage offering exact front ends tails.



Maintenance free no oil twisting system (patented in the U.S.A)

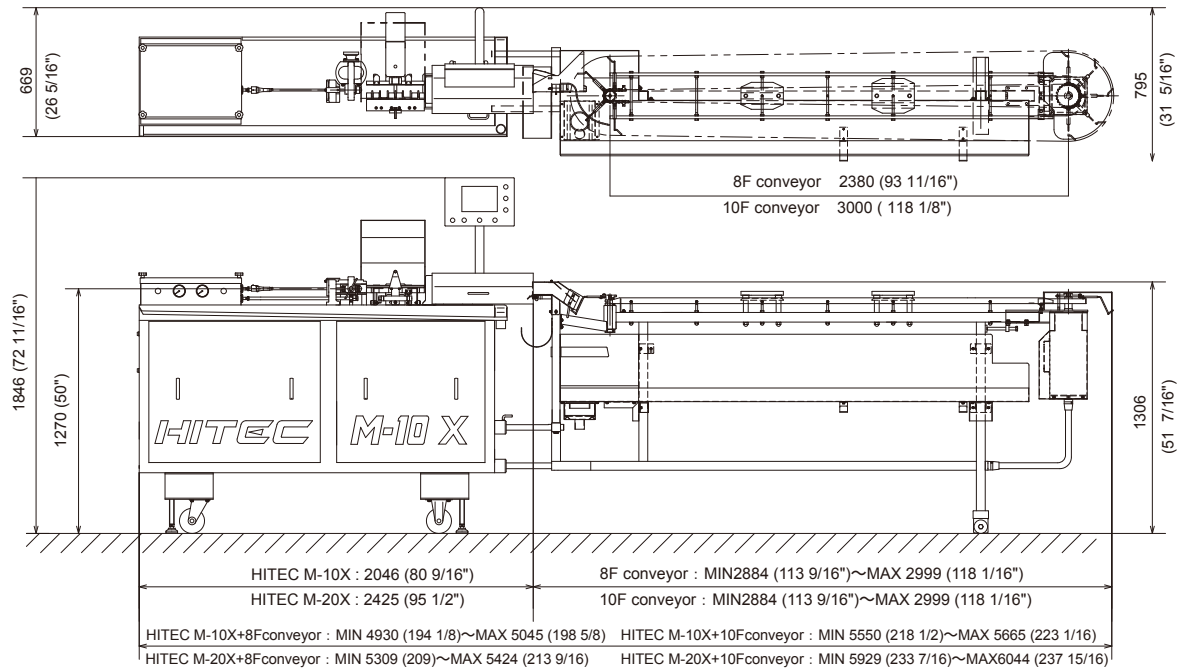
Never have to concern about leaks. Direct drive from motor with timing belt brings fewer components and extended parts life. When necessary, replacing parts is done quickly and easily without the need to remove the entire twister assembly.



Separation of pneumatic parts and electrical parts

Complete separation of pneumatic parts and electrical parts allows easy and safe repair/adjustment.

■ LAYOUT



■ SPECIFICATION

Production Rate	Artificial Casing	Max. 3,200kg/hg (7,000 lb/hr)
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Dependent on casing quality, product size, weight and/or factory conditions.

Product Size	Artificial Casing	3pitches (28.6 mm , 1 1/8 in) through 32 pitches (304.8 mm , 12 in) or more
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Longer sizes can be applied with HITEC'S optional unit.

Casing Size		HITEC M-10X	HITEC M-20X
Diameter	Collagen	13mm ~	32mm
	Cellulose Casing	14.5mm ~	34mm
Shirred Length	Collagen	280 mm (11 1/32 in)	300 mm (11 13/16 in)
	Cellulose Casing	325 mm (12 25/32 in)	440 mm (17 5/16 in)

Machine Size				
Total Machine size	HITEC M-10X + 8F conveyor	HITEC M-20X + 8F conveyor	HITEC M-10X + 10F conveyor	HITEC M-20X + 10F conveyor
Height	1,846mm(72 11/16 in)	1,846mm(72 11/16 in)	1,846mm(72 11/16 in)	1,846mm(72 11/16 in)
Tube height	1,270mm(50 in)	1,270mm(50in)	1,270mm(50in)	1,270mm(50in)
Length MAX	5,045mm(198 5/8 in)	5,424mm(233 7/16 in)	5,665mm(223 1/16 in)	6,044mm(237 15/16 in)
Width	795mm(31 5/16 in)	795mm(31 5/16 in)	735mm(28 15/16 in)	735mm(28 15/16 in)
Weight	690kg (1,518 lb)	730kg (1,610 lb)	710kg (1,562 lb)	750kg (1,650 lb)

Requirements		
Electrical Requirements	Three-Phase 8,150W	
Pneumatical Requirements	Quality	clean and dry
	Pressure	520 kPa (5.2 bar) 75 psi
	Consumption	1 L, (1,000 cm ³) per min 60 in ³ per min
Water Requirements	Quality	Clean and drinkable water
	Pressure	280-410 kPa (2.8-4.1 bar) 40-60 psi
	Consumption	1 L, (1,000 cm ³) per min 60 in ³ per min
Emulsion Requirements	Pressure	500 kPa (5 bar) 72 psi
	Consumption	Max. 3,200kg/hr Max. 7,000 lb/hr
	Piping	Largest diameter and shortest length

※ Specifications and equipment are subject change without any obligation on the part of manufacturer.

※ The above production rate is subject to change due to the conditions such as production item, factory and other conditions.

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