

Magnetic Flux

A cover guide with a built-in magnetic shield plate is mounted.
As a result, the conveyance surface is hardly affected by magnetism.

●GM18H

Measurement Point	Measurement Position	Surface Magnetic Flux Density (With Cover Guide)
A	Top of cover guide	0.3
B	Reference point on conveyance surface	0.9
C	Point 50mm from reference point on conveyance surface	0.1
D	Outside of conveyor frame	0.4
E	Inside of conveyor frame	0.2

Description of Unit: Surface magnetic flux density represents how much magnetic flux is present per square centimeter, whose unit is "Tesla or Gauss". Please use this value as a guide, as it may vary depending on measurement position and the shape of the magnet.

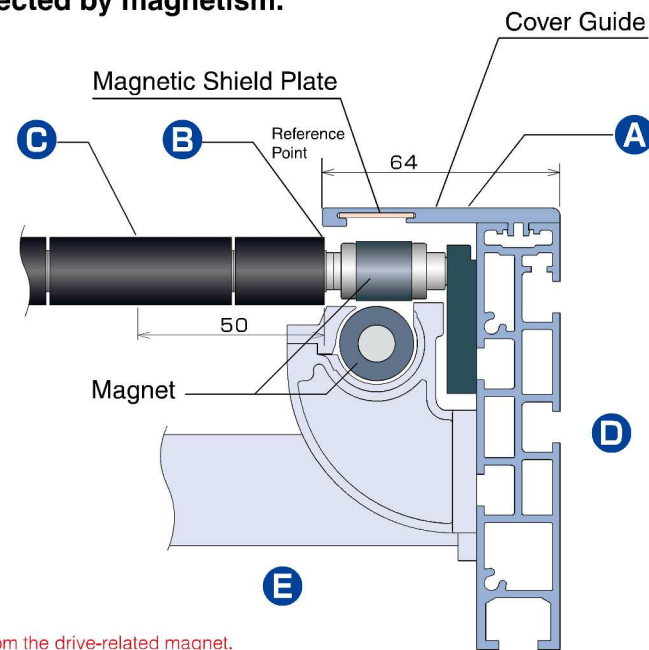
★1 Tesla (T) = 10,000 Gauss (G)

★1 Millitesla (mT) = 10 Gauss (G)

Example of magnetic flux display Mobile phone: 14mT (140G)

Please be careful in the following cases.

- If you are using a medical device such as a pacemaker, please keep away from the drive-related magnet.
- Do not bring analog clocks, magnetic cards or objects that may be affected by magnetism close to the drive-related magnet.
- Please pay careful attention to the conveyed objects (such as electronic devices) that are sensitive to magnetism, and the electronic devices installed around. Conveyance test is recommended as necessary.



LESSVEYOR Series

MARUYASU

LESSVEYOR
Series

The leading products of non-contact magnet drive.

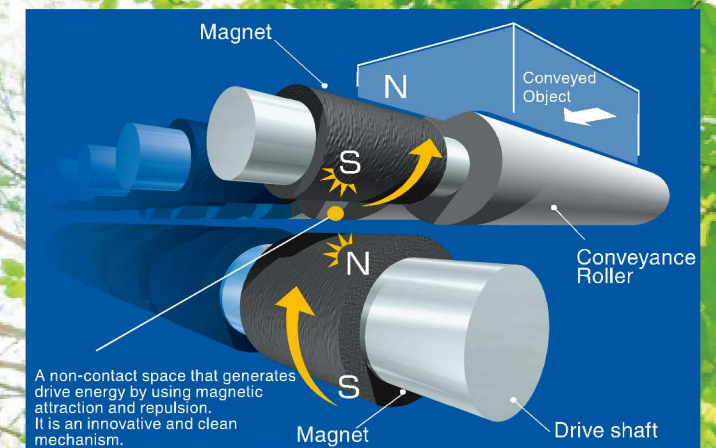
LESSVEYOR Series

The LESSVEYOR series are roller conveyors that rotate the conveyance rollers using the principle of magnet attraction and repulsion.

Unlike drive transmission by friction using a belt, drive transmission is performed in a non-contact manner. As a result, compared to the conventional belt-driven type※, operation noise is reduced by approximately 15% and CO₂ emissions by approximately 55%, achieving extremely efficient and low loss drive.

It can be used in production lines and equipment from general environments to clean rooms for various industries.

※ Comparison between our product GM18 and MRA2 (round belt-driven type conveyor)



A non-contact space that generates drive energy by using magnetic attraction and repulsion. It is an innovative and clean mechanism.



Pursuing Infinite Labor-saving

MARUYASU KIKAI CO.,LTD.

Headquarters	2-11-6 Naruta-cho, Okaya City, Nagano, 394-8540 JAPAN TEL:+81(0)266-23-5630(Main) FAX:+81(0)266-21-6262
Tokyo Branch	7F MARUYASU KIKAI Bldg., 2-13-14 Higashi-Ikebukuro, Toshima-ku, Tokyo, 170-0013 JAPAN TEL:+81(0)3-5954-3631(Main) FAX:+81(0)3-5954-3099
Sapporo Office	3F ANZEN Bldg., 1-2-20 4-jo Higashi-Sapporo, Shiroishi-ku, Sapporo City, Hokkaido, 003-0004 JAPAN TEL:+81(0)11-817-0511(Main) FAX:+81(0)11-817-0512
Kita-Kanto Office	Room 1, EIKO Bldg., 1-7-30 Joto, Oyama City, Tochigi, 323-0807 JAPAN TEL:+81(0)285-20-3103(Main) FAX:+81(0)285-21-4545
Minami-Kanto Office	2F YANAGIDA Bldg., 8-8 Tamura-cho, Atsugi City, Kanagawa, 243-0016 JAPAN TEL:+81(0)46-204-5301(Main) FAX:+81(0)46-224-5131
Nagoya Branch	601 Shin-Moriyama, Moriyama-ku, Nagoya City, Aichi, 463-0070 JAPAN TEL:+81(0)52-793-3611(Main) FAX:+81(0)52-793-6738
Osaka Branch	5F SHIN-OSAKA SANYO Bldg., 4-4-6 Nishinakajima, Yodogawa-ku, Osaka City, Osaka, 532-0011 JAPAN TEL:+81(0)6-6838-9810(Main) FAX:+81(0)6-6838-9815
Sendai Sales Office	1F PREMIAGE IZUMI-CHUO Bldg., 1-9-5 Izumi-chuo, Izumi-ku, Sendai City, Miyagi, 981-3133 JAPAN TEL:+81(0)22-739-7741(Main) FAX:+81(0)22-739-7746
Okaya Sales Office	2-11-6 Naruta-cho, Okaya City, Nagano, 394-8540 JAPAN TEL:+81(0)266-23-5634(Main) FAX:+81(0)266-89-8500
Niigata Office	201 OTA Bldg., 1-7-17 Minami-machi, Nagaoka City, Niigata, 940-0081 JAPAN TEL:+81(0)258-94-5066(Main) FAX:+81(0)258-94-5067
Hiroshima Sales Office	No. 505 SHIMIZU Bldg., 3-33 Asahien, Saeki-ku, Hiroshima City, Hiroshima, 731-5133 Japan TEL:+81(0)82-942-3022(Main) FAX:+81(0)82-942-3767
Fukuoka Sales Office	5F ONUKI HAKATA-EKIMAE Bldg., 3-6-12 Hakata-Ekimae, Hakata-ku, Fukuoka City, Fukuoka, 812-0011 JAPAN TEL:+81(0)92-451-8555(Main) FAX:+81(0)92-451-8666
Okaya Plant	2-11-6 Naruta-cho, Okaya City, Nagano, 394-8540 JAPAN TEL:+81(0)266-23-5630(Main) FAX:+81(0)266-21-6262
Minowa Plant	14613-5 Nakaminowa, Minowa-machi, Kamiina-gun, Nagano, 399-4601 JAPAN TEL:+81(0)265-71-1117(Main) FAX:+81(0)265-70-7111

Website

<http://www.maruyasukikai.co.jp/en/>

Contact (International Sales Division)

https://www.maruyasukikai.co.jp/contact_us/

●Specifications in this catalog are subject to change without prior notice.



This catalog is printed using vegetable oil ink.
Vegetable oil ink is environmentally friendly and recyclable.

KJ6091



Pursuing Infinite Labor-saving

MARUYASU KIKAI CO.,LTD.

You can find the suitable model for your application!

For more information about each model, please visit our website.

※ Our website is listed on the back of this leaflet.

Best Lineup for Conveyor Model Selection

Customer requests are standardized with our know-how in magnet applications. Various product lineups can be used according to each application.

Recommended Product!

SGA Side Alignment Conveyor

Conveyed objects are lined up in a row during conveyance!

Nominal Width(mm)	300	400	500	600
Product Width(mm)	500	600	700	800
Product Length(cm)	Standard Type 61	81	101	120
	Thin Object Conveying Type 91.5	109.5	130	150

Roller Dia. : 20mm
Standard Type



The conveyed objects coming in a scattered condition are lined up in a row on one side. The contact part of the side of conveyed objects is a side belt conveyor, which makes it possible to minimize the posture disorder caused by friction, compared to the fixed guides. In addition, the thin object conveying type has a structure in which the belt is offset from the surface of the conveyance rollers, so even thin conveyed objects will not enter the gap between the conveyance rollers and the lower part of the side belt conveyor.



Aluminum Frame Straight Conveyor

GM18H Roller Dia. : 18mm

Top-selling

Nominal Width 200/300/400/500mm
Product Length 100–300cm
Roller Pitch 20mm



※Legs are optional.

Accumulation Roller Conveyor

Standard model for general fields. Maintenance is easy because of no belts.

※Timing belt is used for drive transmission from motor to drive shaft.

Reference
Conveyor Payload
~20 kg

G13 Roller Dia. : 13mm

Nominal Width 150/250/350/450mm
Product Length 90–150cm
Roller Pitch 15mm



※Legs and stay pipes are optional. In addition, the leg frame in the photo is different from the actual one.

Accumulation Small-diameter Roller Conveyor

φ13 resin rollers are arranged at a pitch of 15mm. Ideal for small conveyed objects.

Reference
Conveyor Payload
~25 kg

G22H Roller Dia. : 22mm

Top-selling

Nominal Width 300/400/500/600/700/800/
900/1000/1100/1200/1300mm
Product Length 100/200/300cm
Roller Pitch 25mm/35mm
※When the roller pitch is 35mm, the product length is 98/196/294cm.



Medium-load Accumulation Roller Conveyor

Compared to GM18H, the nominal width and the reference conveyor payload are increased. It is favorably used in manufacturing processes in various industries.

Reference
Conveyor Payload
~40 kg

Stainless Steel Frame Straight Conveyor

G22S Roller Dia. : 22mm

Top-selling

Roller Width 200/300/400/500/600mm
Product Length 15–20cm
Roller Pitch 25mm



Short Length LESSVEYOR

Stainless steel rollers with built-in magnet are used. It is maintenance-free and clean due to non-contact drive from motor to conveyance rollers. The roller width and product width are almost the same, enabling the conveyor installation space to be used effectively without waste.

Reference
Conveyor Payload
~3 kg

GS13 Roller Dia. : 13mm

Roller Width 200/300/400/500/600/700/800mm
Product Length 51–150cm
Roller Pitch 15mm



※Legs are optional.

Stainless Steel Accumulation Small-diameter Roller Conveyor

The frame consists of flat plates, and the rollers are φ13mm resin integrated ones. The roller pitch is only 15mm, ideal for small conveyed objects.

Reference
Conveyor Payload
~35 kg

GS18 Roller Dia. : 18mm

Roller Width 200/300/400/500mm
Product Length 100–300cm
Roller Pitch 20mm



※Legs and stay pipes are optional.

Stainless Steel Accumulation Roller Conveyor

Equipped with φ18mm resin integrated rollers as standard. Optional φ19mm stainless steel rollers can also be mounted. The frame consists of flat plates, making it easy to clean.

Reference
Conveyor Payload
~45 kg

Steel Frame Straight Conveyor

GM28 Roller Dia. : 28mm

Top-selling

Nominal Width 200/250/315/400/500mm
Product Length 50–300cm
Roller Pitch 50mm



※Legs are optional.

Magnet-driven Conveyor for Case Conveyance

Non-contact drive accumulation roller conveyor using φ28mm steel rollers. Suitable for case conveyance.

Reference
Conveyor Payload
~40 kg

Aluminum Frame Corner Conveyor

GC18 Roller Dia. : 18mm

Nominal Width 200/300/400/500mm
Angle 90°



Right-angle Corner Roller Conveyor

Non-contact drive corner roller conveyor that enables right angle conveyance of conveyed objects.

Reference
Conveyor Payload
~10 kg

GT10H Tapered-Roller Dia. : 14mm (Smaller Diameter)

Nominal Width 200/300/400/500mm
Angle 90°



Curved tapered-roller Conveyor

Curved tapered-roller conveyor with non-contact drive. Black conductive grade rollers are also available.

Reference
Conveyor Payload
~10 kg

Steel/Stainless Steel Frame Alignment Conveyor

GA13 Roller Dia. : 13mm

Top-selling

Nominal Width 200/300/400mm
Product Length 100–200cm
Roller Pitch 15mm



※Legs and stay pipes are optional.

Alignment Conveyor (15mm Pitch)

The conveyed objects moving randomly are lined up in a row at the center of the conveyor only by the characteristics of the conveyor without mechanical or electrical control. The rollers are arranged at a pitch of 15mm, suitable for small conveyed objects.

Reference
Conveyor Payload
~5 kg



GA18H Roller Dia. : 18mm

Nominal Width 400/500/600mm
Product Length 100/150/200cm
Roller Pitch 22mm



Alignment Conveyor (22mm Pitch)

The rollers can be easily attached and detached without using tools, making it convenient to clean. In addition, by arranging the rollers in a staggered pattern, the stability of the conveyed objects at the center of the conveyor is improved.

Reference
Conveyor Payload
~5 kg

GA20 Roller Dia. : 20mm

Nominal Width 200/300mm
Product Length 100–200cm
Roller Pitch 22mm



※Legs and stay pipes are optional.

Alignment Conveyor (22mm Pitch)

The conveyed objects moving randomly are lined up in a row at the center of the conveyor only by the characteristics of the conveyor without mechanical or electrical control.

Reference
Conveyor Payload
~5 kg

Steel/Stainless Steel Frame Alignment Conveyor

GA20H Roller Dia. : 20mm

Top-selling

Nominal Width 400/500/600mm
Product Length 100–200cm
Roller Pitch 22mm



Alignment Conveyor (22mm Pitch)

The conveyed objects moving randomly are lined up in a row at the center of the conveyor only by the characteristics of the conveyor without mechanical or electrical control. Compared to alignment with guides, conveyance can be carried out with minimal contact with the conveyed objects. In addition, its application range is wider than GA20.

Reference
Conveyor Payload
~5 kg

GA22 Roller Dia. : 22mm

Nominal Width 200/300/400/500/600mm
Product Length 100–200cm
Roller Pitch 27mm



※Legs and stay pipes are optional.

Alignment Conveyor (27mm Pitch)

Stainless steel pipes are used for the rollers, making it easy to clean and sanitary. The rollers can be easily attached and detached without using tools.

Reference
Conveyor Payload
~5 kg



Aluminum Frame Pitch Alignment Conveyor

GPA10 Roller Dia. : 10mm

Top-selling

Nominal Width 200–1200mm
Product Length 90–150cm
Roller Pitch 15mm



Pitch Alignment Conveyor

By controlling the rotation of the conveyance rollers, it aligns the front and rear intervals of the conveyed objects moving randomly.

Reference
Conveyor Payload
~20 kg



Steel Frame Sorting Conveyor

G2LS-H

Top-selling

Nominal Width 600mm
Product Length 75cm
Roller Diameter φ20mm(Side Conveyor)
18mm(Sorting Part Conveyor)



Roller Line Selector (Two-way Sorting)

Roller line selector that sorts conveyed objects efficiently. With three sophisticated types, high-capacity conveyance is possible.

Reference
Conveyor Payload
~5 kg



※ Whether alignment conveyors (including pitch alignment) and sorting conveyors can be used depends on the shape and weight of the objects to be conveyed, and the conditions of conveyance. Please consult our sales staff when ordering.



※The communication fee for receiving this service shall be borne by customer.