

KPM

KAWASHIMA
AUTOMATIC WRAPPING MACHINE

MODEL: **GW-4** SERIES



GW-4 SERIES FOR SUPERB PACKAGING EFFECT AND EFFICIENCY

UNIQUE!

More than 6500 units of Kawashima Automatic Wrapping Machine **GW-4** series have been sold since its introduction to the market. This remarkable achievement is due to the uniqueness that they have a wide application to various kind of products, and moreover to that the series is suited to wrap Japanese traditional sweets (WAGASHI), which require packaging effect to show prettiness, beauty prevailing traditionally in addition to effect expected from wrapping itself. The **GW-4** series satisfies such requirements. Especially model **GW-4K** in this series has the most of the features incorporated in the series.

FOR BOTH SOFT AND HARD PRODUCTS!

In domestic market, the series has been adopted by a great number of customers, especially by Japanese traditional sweets (WAGASHI) markets. And the advantages of the series being proved well, the series are in use in the factories of ranging from small scale to large scale where they are contributing to rationalization of packaging lines.

In overseas market, the machine are applied for wrapping without any difficulty both of soft items such as ALFAJORES, BAKERY PRODUCTS, BUNS, BISCUITS, BAUMKUCHEN, CUPCAKES, CHOCOLATES, GAUFRES, FRUIT CAKES, MARSHMALLOW, PIES, MARRONS GLACÉS RICE CRACKERS and other commodities.

EASILY OPERATED AND COMPACT!

Although specifications and requirements for wrapping are different in each different country, there will be no other machine equivalent to the **GW-4** series in a wide application for any kind of product and in compactness.

In overseas, the **GW-4** is operated easily by customers themselves only with the operation manuals supplied with the machine, and except special cases there is no need of operation guidance at the user's sites.

GW-4 series is constructed mainly of adequate cast iron and the parts in contact with the product are of aluminum casting so that the long life of the machines are ensured. The construction is relatively simple, and all the movement of the machine operation can be seen readily by rotating a manual handle.

The **GW-4** series wraps the products fully automatically by charging the products into a hole made on the product charge turntable (the size of the products is an important factor to be considered for making this hole), and the product wrapped are discharged to a goods discharge conveyor. The product charge turntable rotates always to the same direction (counterclockwise) with intermittent drive, and the product is pushed upward by a lift head when it comes right below a wrapping former. At this time wrapping material prepared beforehand is fed by a paper feeder via paper feeding channel, and is cut to a predetermined size. A piece of wrapping material cut and the product pass simultaneously through the wrapping former, and contoured pack or four cornered pack except bottom fold is made. Then the product moves to the wrapping turntable, when the bottom fold is done by a folding plate. By the next turn, the product is transferred to a heat sealing plate to be heat sealed. Thus, the product is completely wrapped and is discharged to the good discharge conveyor.

ECONOMICAL AND EXCHANGEABLE!

During the above flow the wrapping processes, a film economizer (no product-no paper device) functions for saving the wrapping material, a photo electric cell makes proper registration of printing pattern, and a film end detector works to detect the ending of the wrapping material.

The machines are powered with a 1/4HP motor, requiring small electricity consumption, and small floor space is enough, resulting in economy. Further skilled operator is not necessary.

As to exchangeability, one machine can wrap more than one kind of products by providing exchange parts. Also by attaching several accessories, the products of special shape can be wrapped.

GW-SERIES!

Hereunder comparison among different models of the **GW** series is made. The difference between model **GW-4** and **GW-4K** lies in the folding methods and speed: the **GW-4** does wrapping material side-to-side fold and the **GW-4K** diagonal fold (as to the folds, refer to the flow charts on page 3, does it mean that model **GW-4** in this Series makes bunch fold wrapping and model **GW-4K** has a feature to wrap products of oval and round shapes into four cornered packs of rectangular shapes). The **GW-4** can be operated with about 20-30% higher wrapping speed per minute than the **GW-4K**.

GW-4SS wraps smaller products than **GW-4** does, **GW-4L** wraps the products of larger surface area by feeding larger wrapping material, compared with **GW-4**, and **GW-5** is for larger products than the **GW-4** is for.

Similarly difference among models **GW-4KLL**, **GW-4KL**, **GW-4K**, **GW-4KS** and **GW-4KSS** lies in the difference of product size which each model can wrap. Comparing above 5 models, the **GW-4KLL** and the **GW-4KL** wraps the largest or larger size, and the **GW-4KSS** the smallest; the model **GW-4KS** is for smaller size than the **GW-4K** is for.

Model **GW-4KLB** is designed specially for spherical products.

Model **GW-4RN** and **GW-4KRN** are designed to be more easily incorporated in a production line and adopts advanced wrapping material feeding by a printed registration mark controller. This model can also be used as an independent machine for automating wrapping process.

The microcomputerized **GW-4MC** and **GW-4KMC** display digitally various data—such as the number of packages (as they are done), the desired length of film to cut, the number of revolutions and the desired angle of rotary encoder (in one-hundredth degree precision). These models can be easily operated.

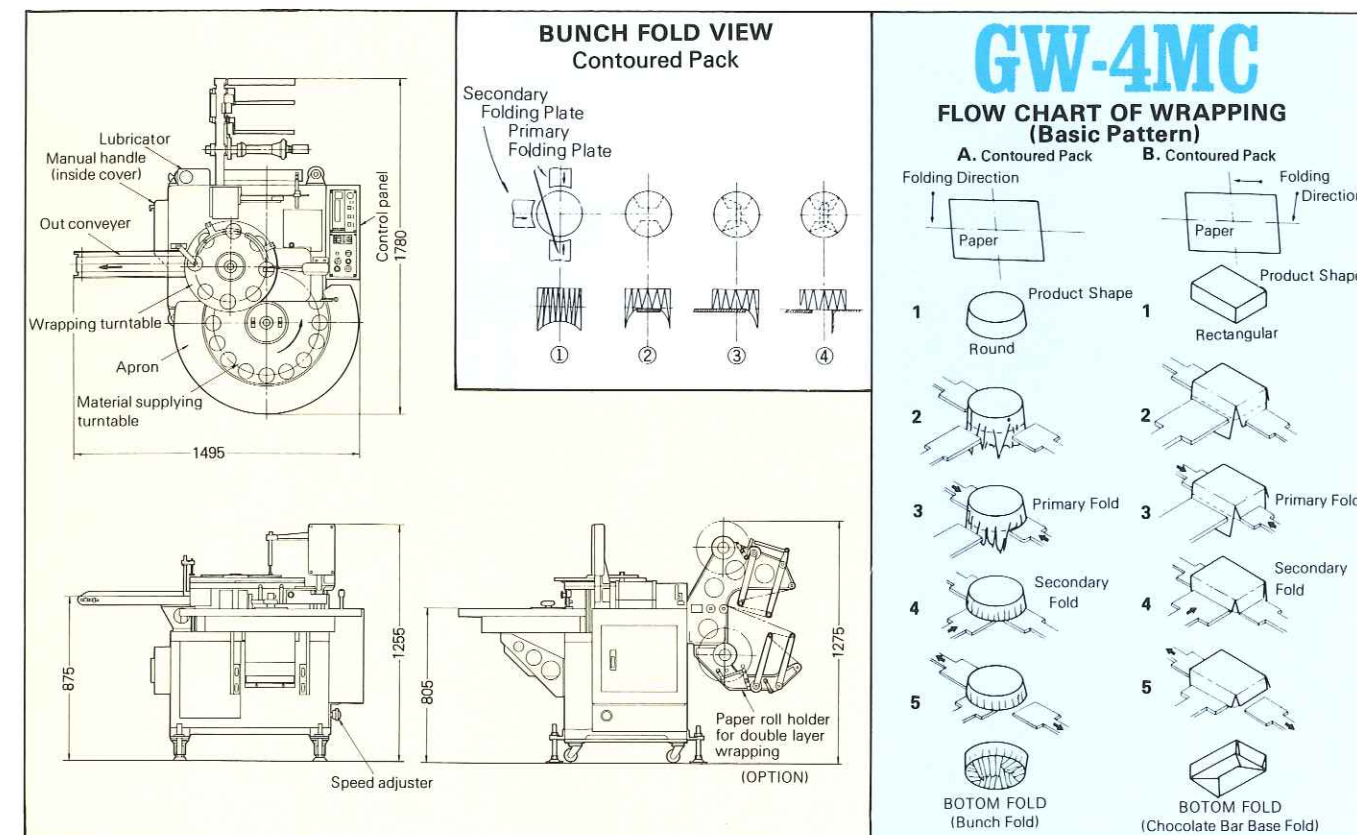
Automatic feeding machine **AIS-4S** and **AIS-4U** can be attached to the model **GW-4** series, upgrading efficiency.

As described above, **GW-4** series is unique automatic wrapping machine, and it is sincerely hoped that this will be adopted into your packaging planning in the near future.

MODEL:

GW-4MC

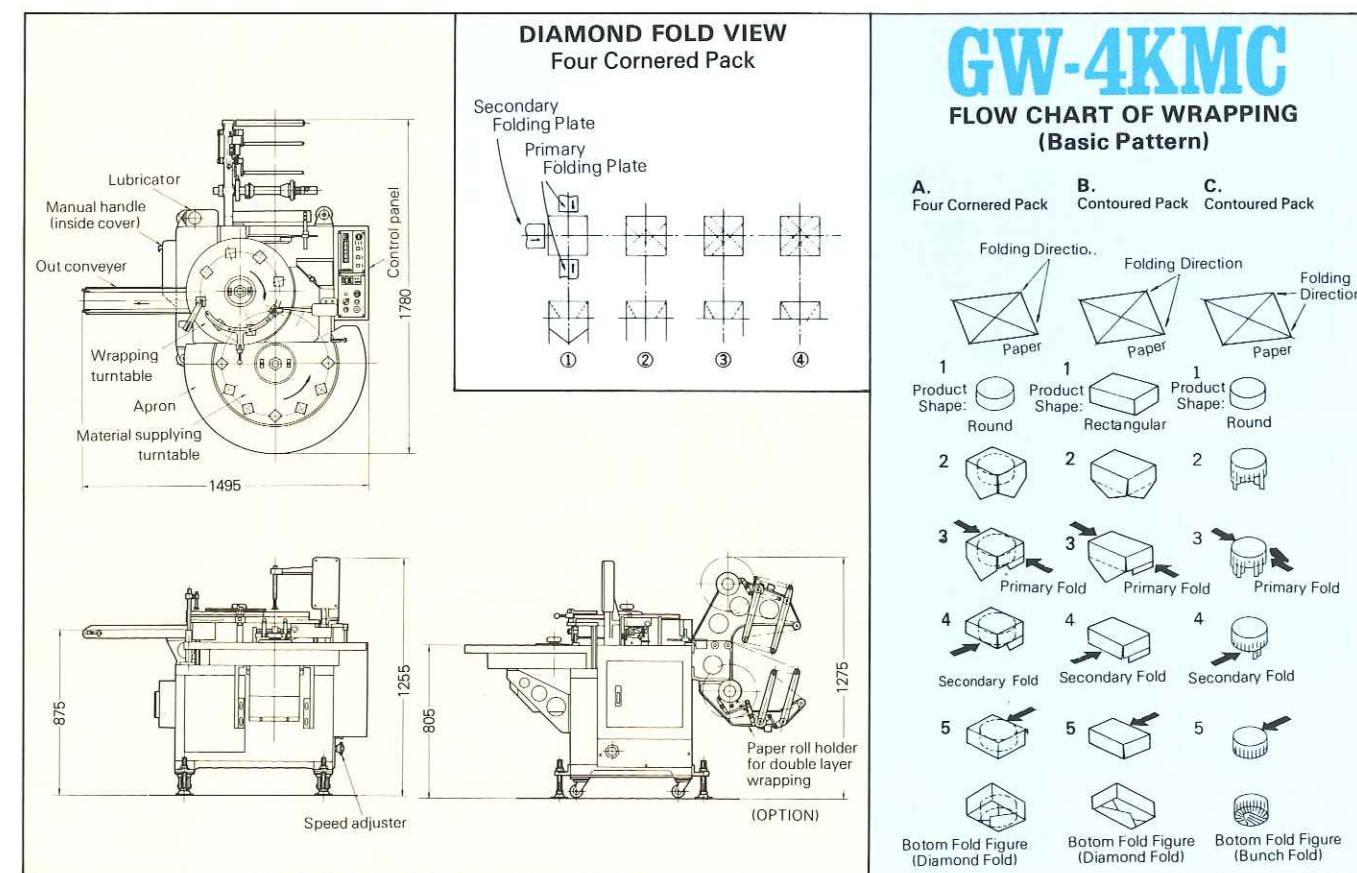
OUTER DIMENSIONS



MODEL:

GW-4KMC

OUTER DIMENSIONS



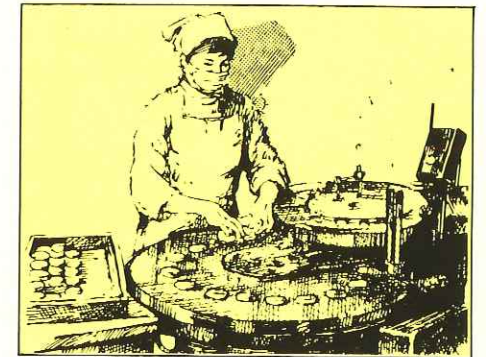
MODEL: **GW-4**
Standard Type



MODEL: **GW-4RN**



VARIATION OF THE **GW-4** SERIES



MODEL: **GW-4MC**



MODEL: **GW-4KMC**



MODEL: **GW-4SS**
For the Smallest Products

MODEL: **GW-4K**
Standard Type



MODEL: **GW-4KRN**



MODEL: **GW-4L**
For Large Products

MODEL: **GW-4KMC**
WITH **AIS-4S**
Automatic Feeder



MODEL: **GW-5**
Standard Type
For the Largest Products

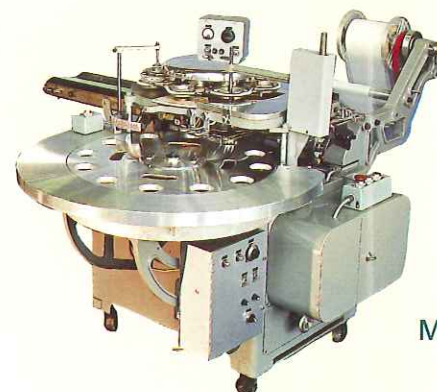


GW-4KS
For Smaller Products

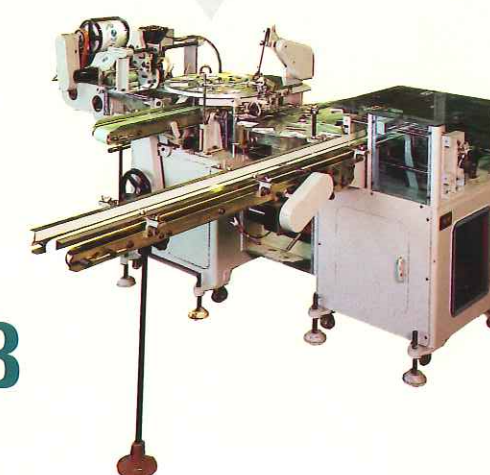
GW-4KSS
For the Smallest Products

GW-4KL
For Large Products

GW-4KLL
For the Largest Products



MODEL: **GW-4KLB**
For Spherical Products



MODEL: **GW-4KRN**
WITH **AIS-4U**

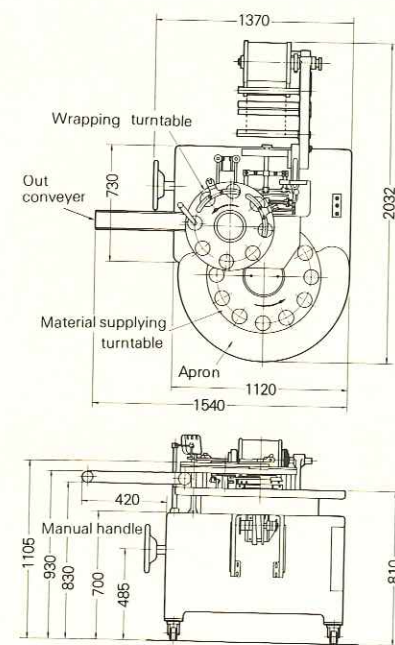
MODEL		GW-4SS	GW-4	GW-4RN	GW-4MC	GW-4L	GW-5	GW-4KSS	GW-4KS	GW-4K	GW4KRN	GW-4KMC	GW-4KL	GW-4KLL	GW-4KLB
Wrapping Materials: See*2		Moistureproof Cellophane, Thin Rice Paper laminated Polyethylene, M.S.T. laminated Aluminum Foil, Aluminum Foil laminated Paper wrapping material and aluminum foil or wafer as inside material. Please furnish us sample wrapping material for our study.						coated with Wax, Aluminum Foil laminated Paper coated with Polyethylene and double-material possible; eg. transparent cellophane (heat sealable) as outside							Moisture proof Cellophane (M.S.T.)
Wrapping Material Ranges:	W	MAX. 190 MIN. 60	190 60	190 60	190 60	215 125	250 140	190 75	190 90	190 110	190 110	190 110	215 125	260 155	215 125
	L	MAX. 160 MIN. 75	190 110	190 110	190 110	215 110	250 140	160 75	190 90	190 110	190 110	190 110	215 125	260 155	215 125
Core Diameter:		75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.	75 dia.
Max. Outer dia. of Wrapping Material Roll:		280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.	280 dia.
See*1 Size Range:	Round Shape:	25φ—45φ × 6t—25t	40φ90φ × 8t—30t	40φ—90φ × 8t—30t	40φ—90φ × 8t—30t	40φ—90φ × 8t—40t	70φ—130φ × 10t—55t	25φ—45φ × 6t—25t	32φ—55φ × 8t—30t	40φ—90φ × 8t—30t	40φ—90φ × 8t—30t	40φ—90φ × 8t—30t	65φ—100φ × 8t—40t	65φ—100φ × 10t—50t	50—70 dia. Ball
	Square Shape Rectangular Shape	25□—45□ × 6t—25t 18W—45W × 25L—55L × 6t—25t	40□—80□ × 8t—30t 25W—80W × 40L—95L × 8t—30t	40□—80□ × 8t—30t 25W—80W × 40L—95L × 8t—30t	40□—80□ × 8t—30t 25W—80W × 40L—95L × 8t—30t	40□—80□ × 8t—40t 25W—80W × 40L—95L × 8t—40t	70□—80□ × 10t—55t 40W—108W × 70L—124L × 10t—55t	25□—45□ × 6t—25t 18W—45W × 25L—55L × 6t—25t	32□—55□ × 8t—30t 21W—55W × 32L—76L × 8t—30t	40□—70□ × 8t—30t 28W—70W × 40L—100L × 8t—30t	40□—70□ × 8t—30t 28W—70W × 40L—100L × 8t—30t	40□—70□ × 8t—30t 28W—70W × 40L—100L × 8t—30t	65□—72□ × 8t—40t 33W—72W × 65L—108L × 8t—40t	65□—92□ × 10t—50t 38W—92W × 65L—123L × 10t—50t
Interchangeability See*3		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
Type of Wrap:		CONTURED PACK= Bunch Fold or Chocolate Bar Base Fold.						FOUR CORNERED PACK or CONTOURED PACK (Diamond Fold) (Bunch Fold)							Bunch Fold
Operation Speed:		60—70 pcs./min.	60—70 pcs./min. (70—90 pcs./min.)	60—70 pcs./min. (70—90 pcs./min.)	60—70 pcs./min. (70—90 pcs./min.)	50—60 pcs./min.	45—55 pcs./min.	60—70 pcs./min.	60—70 pcs./min.	60—70 pcs./min.	60—70 pcs./min.	60—70 pcs./min.	50—60 pcs./min.	45—55 pcs./min.	50—60 pcs./min.
Incorporated Units:		Photo electric cell (transparent type), Film economizer (no-product no-paper), Film end detector and one set of Feeding turntable with in body.						Photo electric cell (transparent type), Film economizer (no-product no-paper), Film end detector and one set of Feeding turntable with in body.							
Products Changing Turntable	Outer DIA	540 dia.	656 dia.	656 dia.	656 dia.	656 dia.	700 dia.	540 dia.	636 dia.	656 dia.	656 dia.	656 dia.	700 dia.	690 dia.	656 dia.
	Pitch DIA.	480 dia.	560 dia.	560 dia.	560 dia.	560 dia.	550 dia.	480 dia.	560 dia.	560 dia.	560 dia.	560 dia.	600 dia.	560 dia.	560 dia.
	NR of Holes	20	16	16	16	16	12	20	16	12	12	12	12	12	12
Power Required:		Main Motor: 200W., 3 Phase (220V), Heater: 400W						Main Motor: 200W., 3 Phase (220V), Heater: 450W							Main Motor: 200W., 3 Phase (220V), Heater 460W
Approximate Shipping Specifications:	Net weight	525 kg	525 kg	525 kg	525 kg	525 kg	850 kg	525 kg	525 kg	525 kg	525 kg	525 kg	525 kg	550 kg	575 kg
	Gross weight Case size; Body Feeding conv. Measurement	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 2000 × 1740 × 1480 183 c.f.t.	1200 kg 1800 × 2200 × 1550 217 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	850 kg 1940 × 1740 × 1480 176 c.f.t.	525 kg 2000 × 1740 × 1480 183 c.f.t.	900 kg 2000 × 1740 × 1480 183 c.f.t.	900 kg 1890 × 1690 × 1460 165 c.f.t.

*1 As to the size range, the above figures must be considered in relation to wrapping material feeding range, kind and size of product and machine interchangeability. Therefore, please send us your sample product with dimensional drawing.

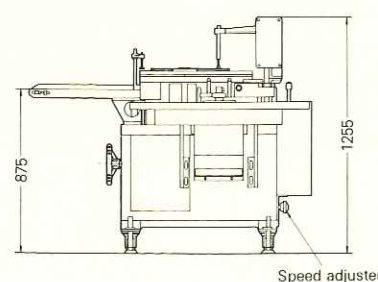
*2 For wrapping products of square shape, wrapping by Model GW-4SS, GW-4, GW-4RY, GW-4MC, GW-4L and GW-5, only heat sealable M.S.T. is applicable.

*3 Easily changed from one size to another by exchanging parts (principally the former, lifting head, product charge turntable and other few parts) and adjustments. Time necessary for exchanging parts and adjustment is Max. 15 minutes.

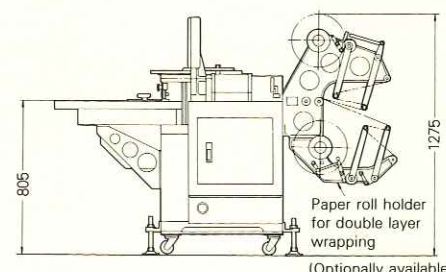
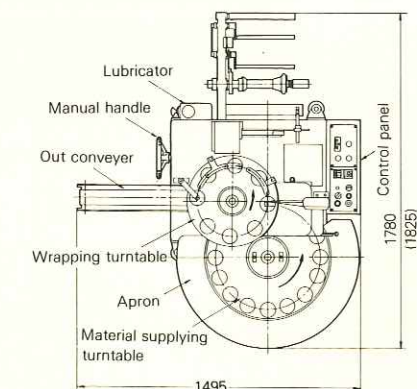
MODEL: GW-5 OUTER DIMENSIONS



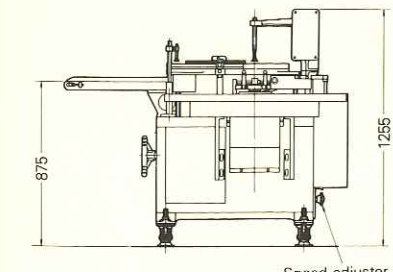
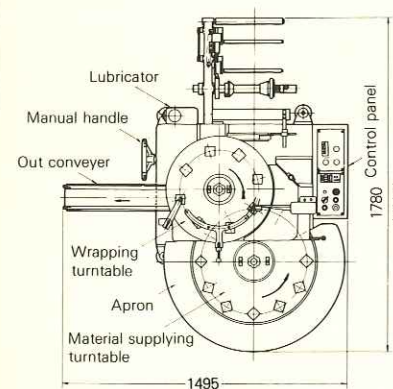
OUTER DIMENSIONS



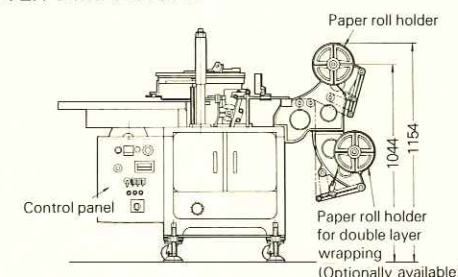
MODEL: GW-4RN OUTER DIMENSIONS



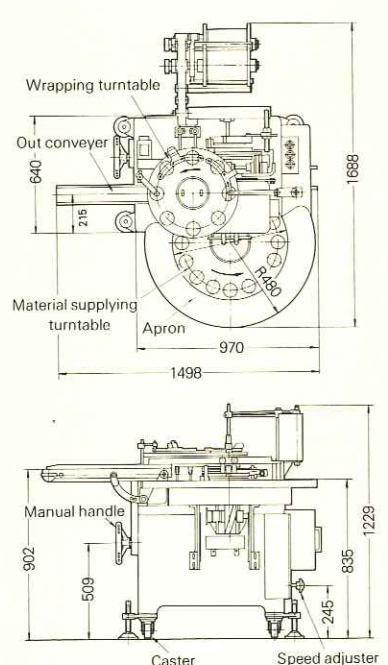
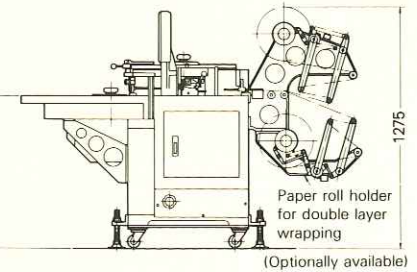
MODEL: GW-4KRN OUTER DIMENSIONS



MODEL: GW-4 OUTER DIMENSIONS



OUTER DIMENSIONS



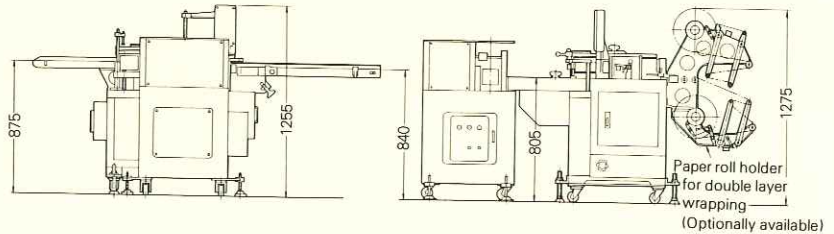
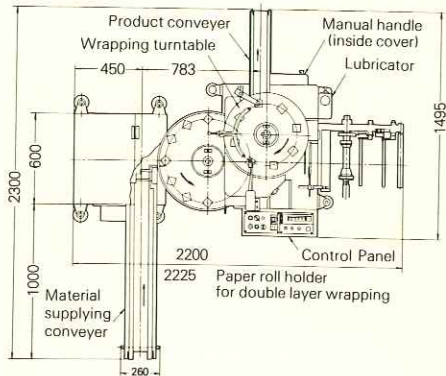
* Specifications in this catalog are subject to change without notice.

■ OPTIONS ■

MODEL:

GW-4KMC AND AIS-4 Type S

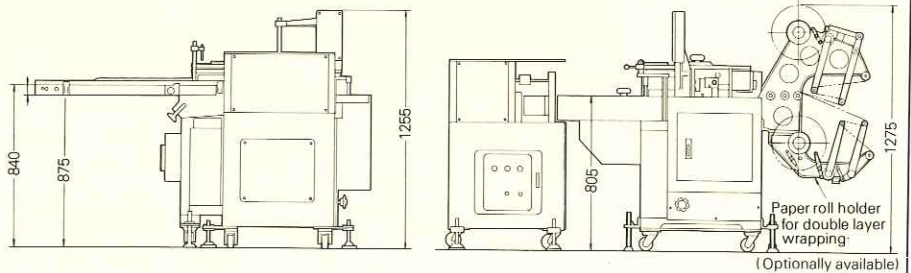
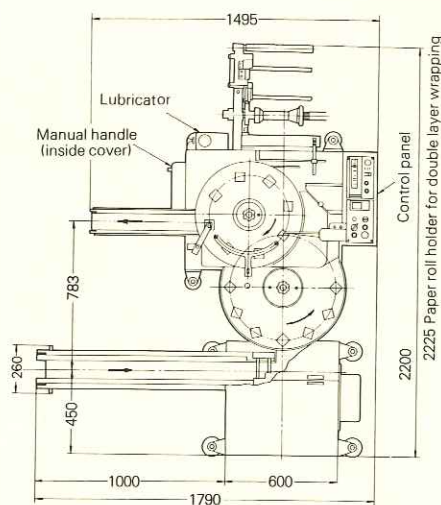
OUTER DIMENSIONS



MODEL:

GW-4KMC AND AIS-4 Type U

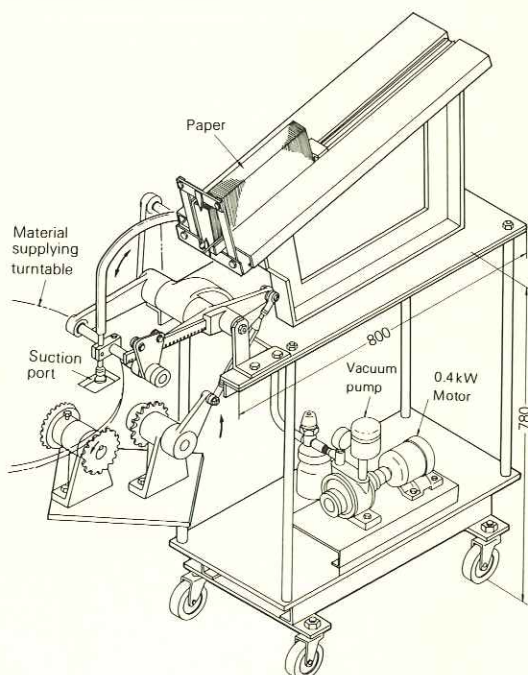
OUTER DIMENSIONS



MODEL:

FM-2

OUTER DIMENSIONS



KAWASHIMA

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