

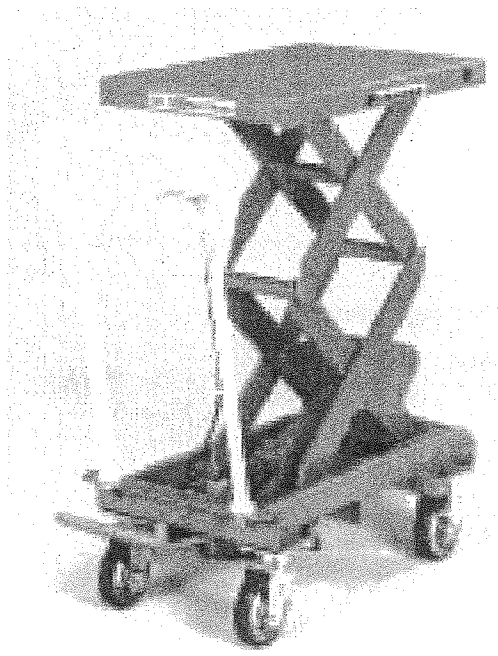
Bishamon®



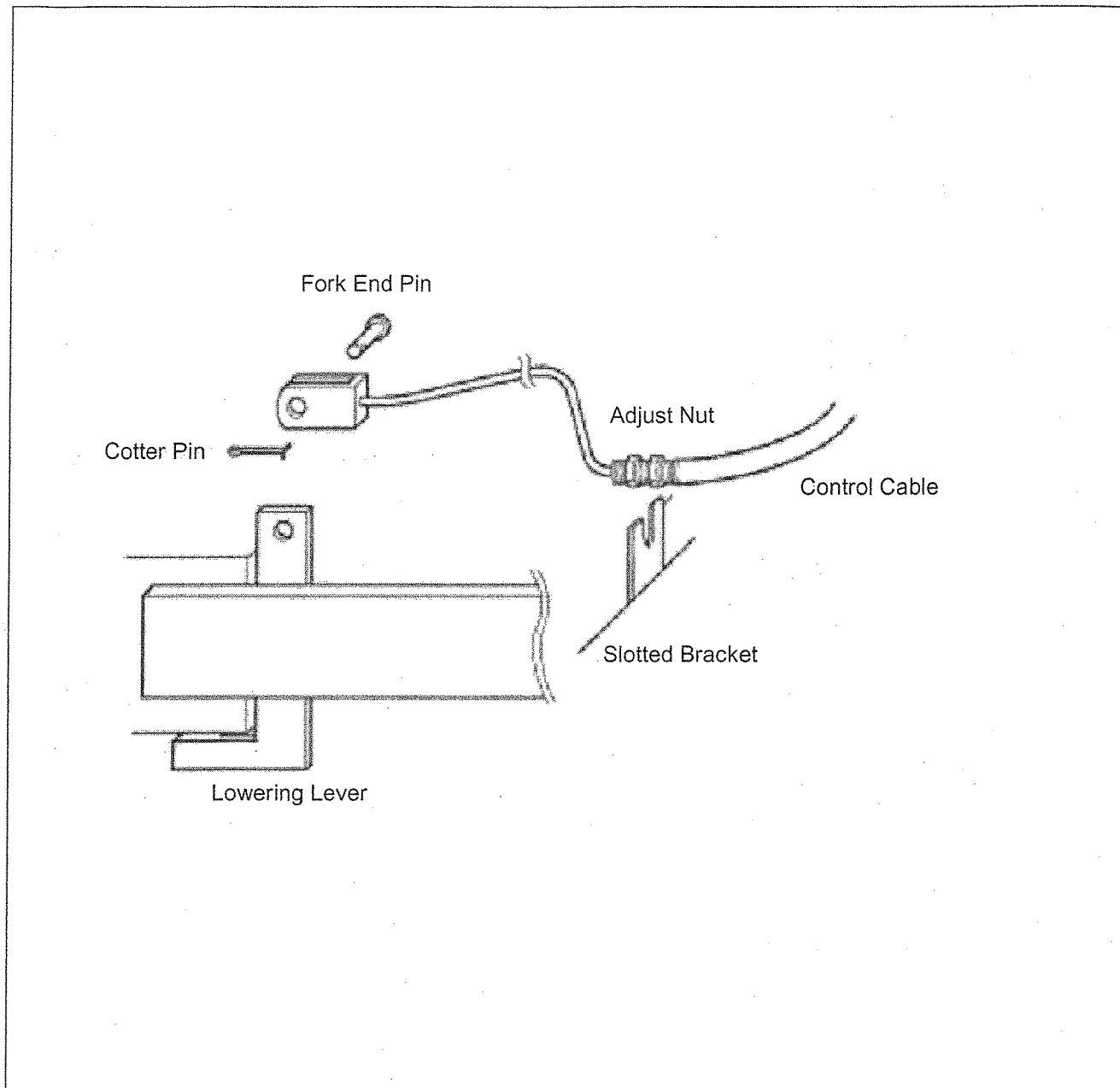
Lifter BX Series

English

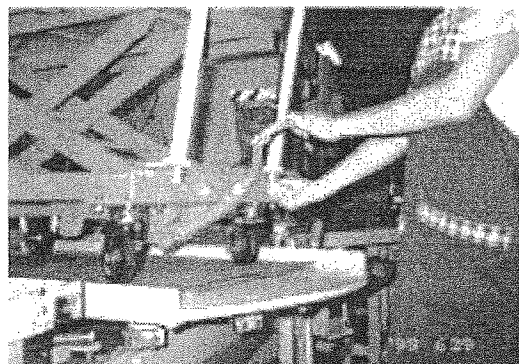
BX30, BX50, BX80, BX15W, BX30S, BX50S, BX50W



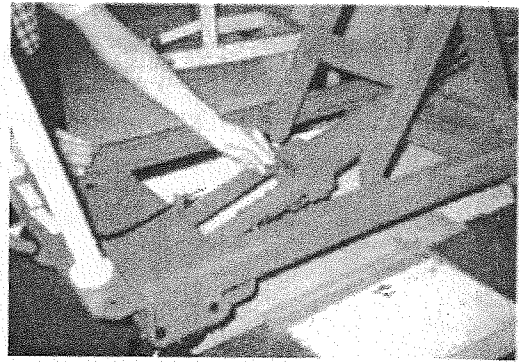
How to install the handle and Control cable on BX lifters.(except BX15)



1. Install the handle on the frame with the hex. bolts and the handle seat.



2. Install the control cable with the fork end pin and cotter pin.

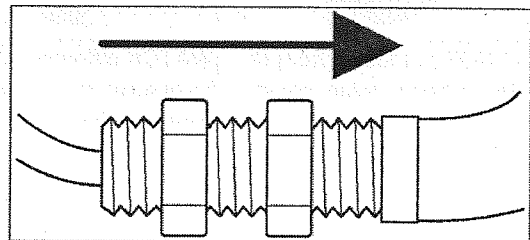
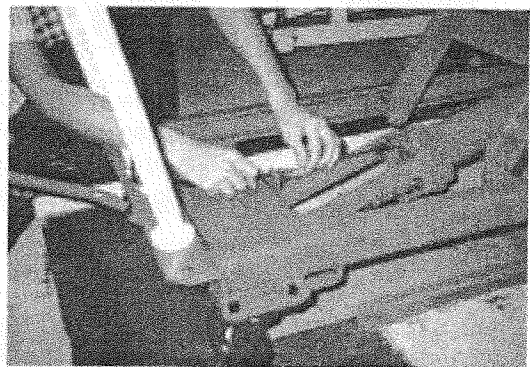


3. Insert the end of control cable tube to the slotted bracket on the frame. Put the slotted bracket between the adjust nuts.

CAUTION
DO NOT tighten the adjust nut too much.

Then fix the tube by turning the adjust nuts.

4. The tension of the control cable is already adjusted before delivery. If it is necessary to stretch the control cable, turn both of the adjust nuts and stretch the cable to the direction of arrow.






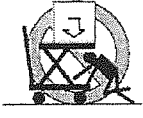
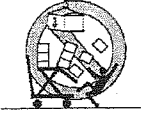
Operation and Service Manual

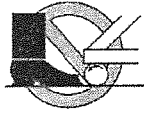

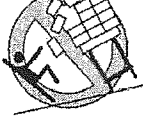

BEFORE OPERATING THE LIFTER, READ THIS MANUAL CAREFULLY AND UNDERSTAND COMPLETELY. KEEP THIS MANUAL ON FILE FOR FUTURE REFERENCE. IF THIS IS LOST, PLEASE CONTACT YOUR LOCAL SUPPLIER FOR A NEW COPY. ALSO, IF THE WARNING/CAUTION DECAL ON THE UNIT IS LOST, PLEASE CONTACT YOUR LOCAL SUPPLIER FOR A NEW DECAL.

NOTE:

On this manual, WARNING means the danger which can lead to death or serious injury. CAUTION means the danger which can lead to slight injury or property damage.

1. WARNINGS AND CAUTIONS

⚠ WARNING				
				
DO NOT put foot or hand in scissors mechanism.	DO NOT allow other person to stand in front of or behind lifter when it is moving.	DO NOT move lifter when table is in raised position. Load could fall down.	DO NOT enter under table.	DO NOT overload lifter.

⚠ WARNING			
			
DO NOT put foot in front of rolling wheels. Injury could result.	WATCH difference of floor level when moving lifter. Load could fall down.	DO NOT use lifter on slope or inclined surface, Lifter may become uncontrollable and create danger.	DO NOT lift people. People could fall down and suffer severe injury.

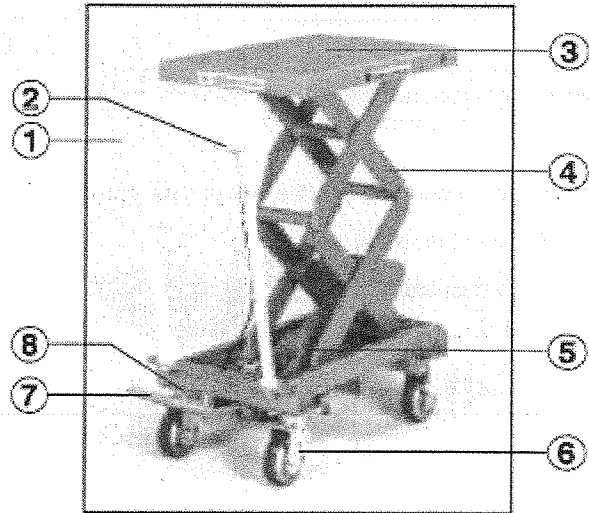
⚠ CAUTION
<ol style="list-style-type: none"> 1. Read this operation manual carefully and understand completely before operating lifter. Improper operation could create danger. 2. This lifter is a movable lifter designed to lift or lower rated load on table. DO NOT use lifter for other purpose than its intended use. 3. DO NOT allow person to operate lifter who does not understand its operation. 4. DO NOT lower table too fast. Load could fall down and create danger. 5. KEEP watching the condition of load. Stop operating lifter if load becomes unstable. 6. Brake lifter when sliding load on or off table. 7. DO NOT side or end load. Load must be distributed on at least 80% of table area. 8. DO NOT use lifter with unstable, unbalanced or loosely stacked load. 9. Practice maintenance work according to Service instructions. 10. DO NOT modify lifter without manufacturer's written consent. 11. REMOVE load from table and use safety stopper to prevent table from lowering when servicing lifter. 12. This lifter is not designed to be water resistant. Use lifter under dry condition.

2. NAME OF PARTS

● BX30, BX50, BX80



● BX15W, BX30S, BX50S, BX50W



①	HANDLE
②	LOWERING LEVER
③	TABLE
④	LINK
⑤	HYDRAULIC UNIT
⑥	BRAKE PEDAL
⑦	LIFTING PEDAL
⑧	QUICK LIFTING PEDAL (BX50S ONLY)

3. DAILY INSPECTION

Daily inspection is effective to find the malfunction or fault on lifter. Check lifter on the following points before operation.

CAUTION

DO NOT use lifter if any malfunction or fault is found.

- (1) Check for scratch, bending or cracking on the lifter.
- (2) Check if there is any oil leakage from the cylinder.
- (3) Check the vertical creep of the table.
- (4) Check the smooth movement of the wheels.
- (5) Check the function of brake.
- (6) Check if all the bolts and nuts are tightened firmly.

4. OPERATING LIFTER

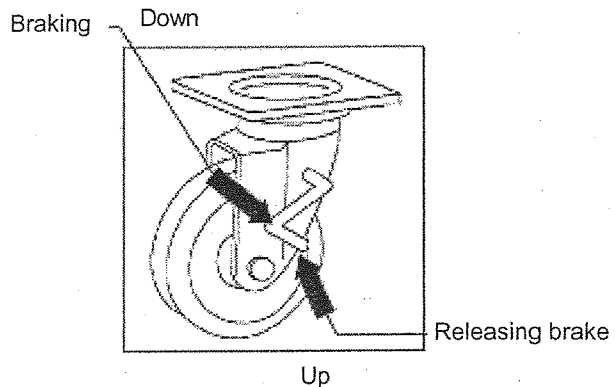
4-1. How to use the brake

⚠ CAUTION

Brake lifter when not moving it in order to prevent sudden movement.

The brake is equipped with the swivel caster on the right side.

- (1) Braking the wheel
Press the brake pedal.
- (2) Releasing the brake
Lift up the brake pedal.



4-2. Lifting the table

⚠ WARNING

1. DO NOT overload lifter. Stay within its rated capacity.
2. DO NOT side or end load. Load must be distributed on at least 80% of table area.

Press the lifting pedal several times until the table reaches the desired position.

The table does not elevate after reaching the highest position even if the lifting pedal is pressed.

The table lowers slightly after reaching the highest position.

MAXIMUM CAPACITY OF TABLE						
BX30	BX50	BX80	BX15W	BX30S	BX50S	BX50W
300kg	500kg	800kg	150kg	300kg	500kg	500kg

NOTE:

The hydraulic cylinder is designed to hold table. As is the nature of the hydraulic system, table lowers very slowly over and extended period of time. Please note the table does not stay at the same position indefinitely.

4-3. Lowering table

⚠ WARNING

DO NOT put foot or hand in scissors mechanism.

Pull the lowering lever up and table lowers.

4-4. Quick lifting pedal on BX50S

BX50S is equipped with the Quick Lifting Pedal. Table rises 3 times faster with this Quick Lifting Pedal when the table is not loaded.

⚠ CAUTION

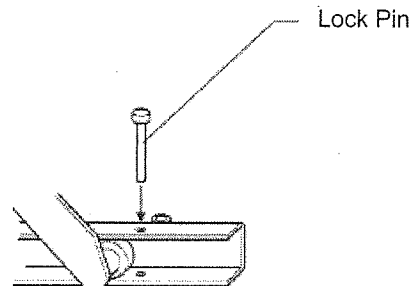
DO NOT use the Quick Lifting Pedal when table is loaded. Hydraulic unit could be damaged.

5. Specifications

Mode	Capacity (kg)	Table (mm)	Table Height (mm)	Stroke (mm)	L X W X H (mm)	Pedaling to top (approx.times)	Wheel	Weight (kg)
BX30	300	500 • 813	288-880	592	896 • 500 • 1008	25	Rub.100	69
BX15W	150	500 • 813	380-1390	1010	1000 • 500 • 900	29	Rub.100	92
BX30S	300	518 • 1010	433-1600	1167	961 • 520 • 1258	55	PU150	138
BX50	500	518 • 1010	438-1020	582	961 • 520 • 1183	44	PU150	112
BX50S	500	460 • 1003	418-1040	622	939 • 460 • 944	68	PU130	115
BX80	500	518 • 1010	438-1020	582	961 • 520 • 1258	63	PU150	115
BX50W	500	518 • 1010	433-1600	1167	961 • 520 • 1270	90	PU150	151

6. Service Instructions

Before doing the maintenance job, remove the load from the table and block the link with the lock pin to prevent the lowering of table.

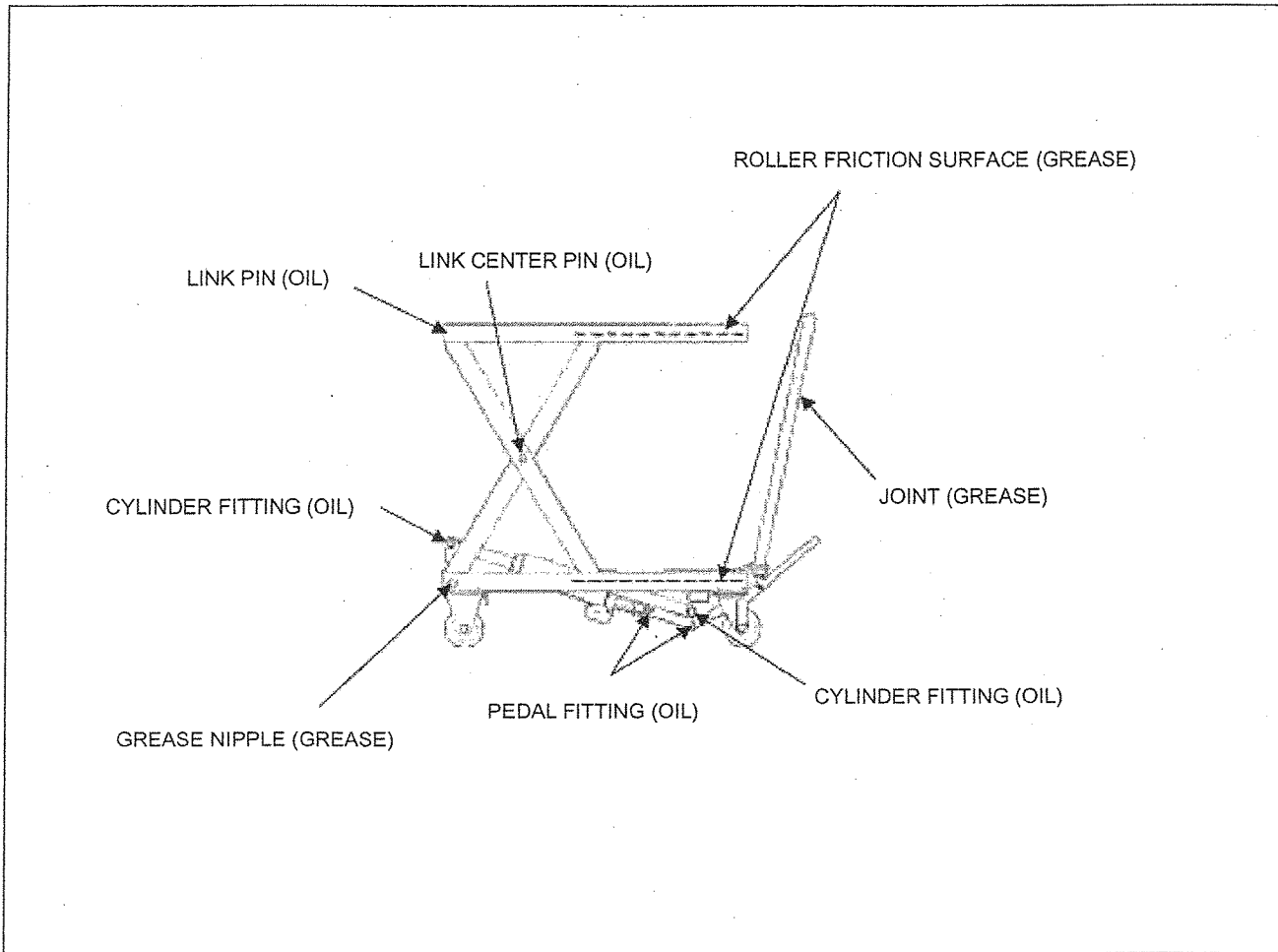


6-1. Lubricate each point described below every month:

6-2. Change hydraulic oil every 12 months.

Lubricating Points

- (1) Fitting of cylinder ---- Oil
- (2) Roller Friction surface ---- Grease
- (3) Link pin ---- Oil
- (4) Pedal fitting point ---- Oil
- (5) Link center pin ---- Oil
- (6) Joint ---- Grease
- (7) Grease nipple ---- Grease

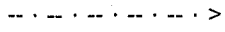


7. Hydraulic Circuit

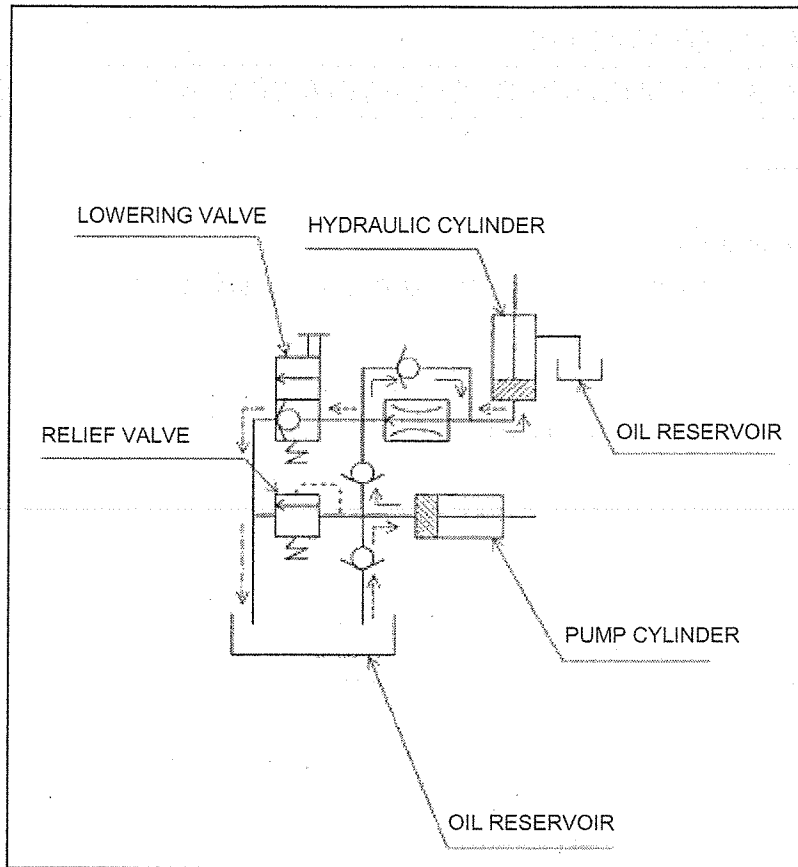
LIFTING



LOWERING



SUCTION



DECLARATION OF CONFORMITY

SUGIYASU CORPORATION

4 CHO-ME, 3-21 HONGO-CHO, TAKAHAMA CITY, AICHI, JAPAN

declares in sole responsibility that the following product

MODEL BX-15, BX-30, BX-15W, BX-30S, BX-50. BX-80, BX-50W

referred to in this declaration conforms with the following standard(s) or directive(s):

MACHINE DIRECTIVE 89/392/EEC, EN1570

The company named above will keep on file for review the following technical documentation:

- operation manual as required
- plans
- description of measures designed to ensure conformity
- other technical documentation


Importer/Distributor in EU:



Oct. 1st. 2001 Takahama Japan

T. Niimi, manager, International
operations Sugiyasu Corporation

Licensed By

 SUGIYASU CORPORATION

AICHI, JAPAN

Manufactured By

Taiwan Bishamon Industries Corporation

Taichung · Taiwan