

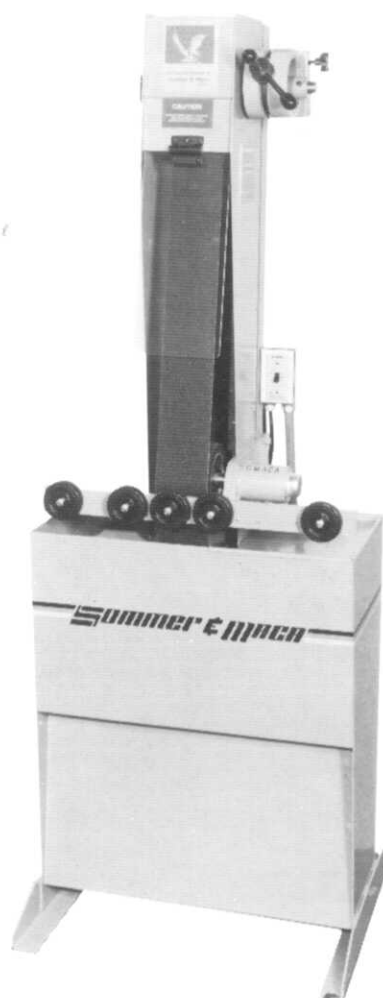
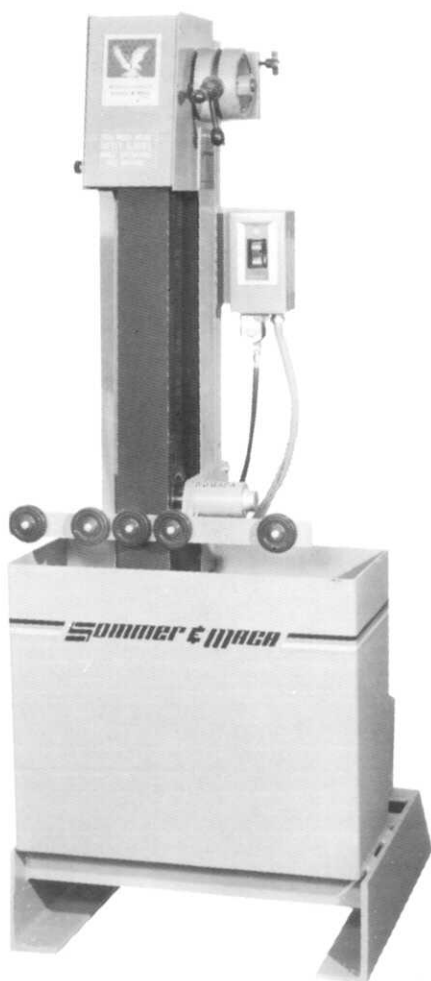


*Sommer & Maca Machinery*

# MODEL BM-106G & BM-132

## WET ABRASIVE BELT MACHINES

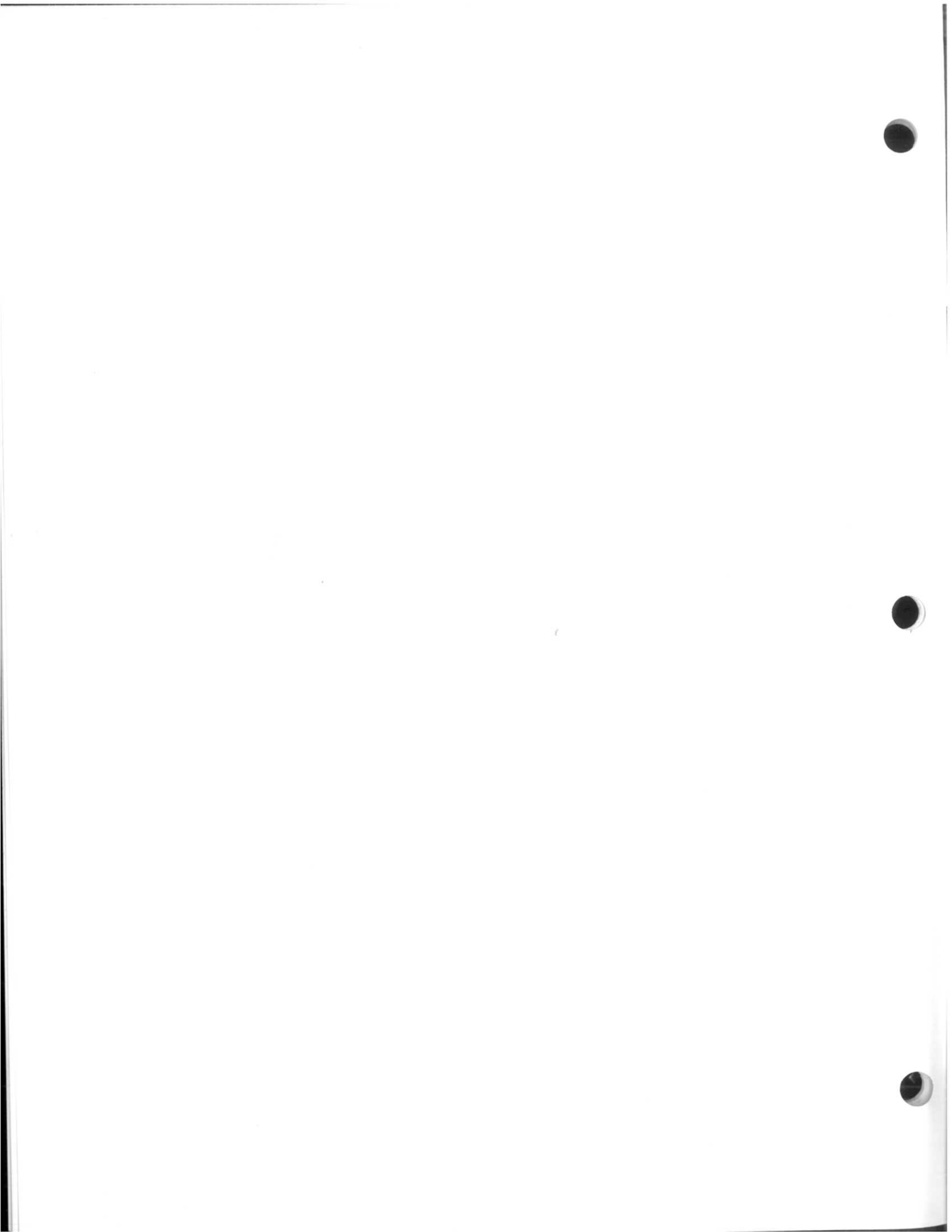
OPERATION AND MAINTENANCE MANUAL



**Made In The U.S.A.**



CORPORATE ADDRESS: 5501 West Ogden Avenue, Cicero, IL 60804  
For Toll Free Information: (800) 323-9200, Toll Free Fax: (800) 541-0599



## **FOREWORD**

**Your new SOMACA belt machine is the result of 70 years experience in quality machine building.**

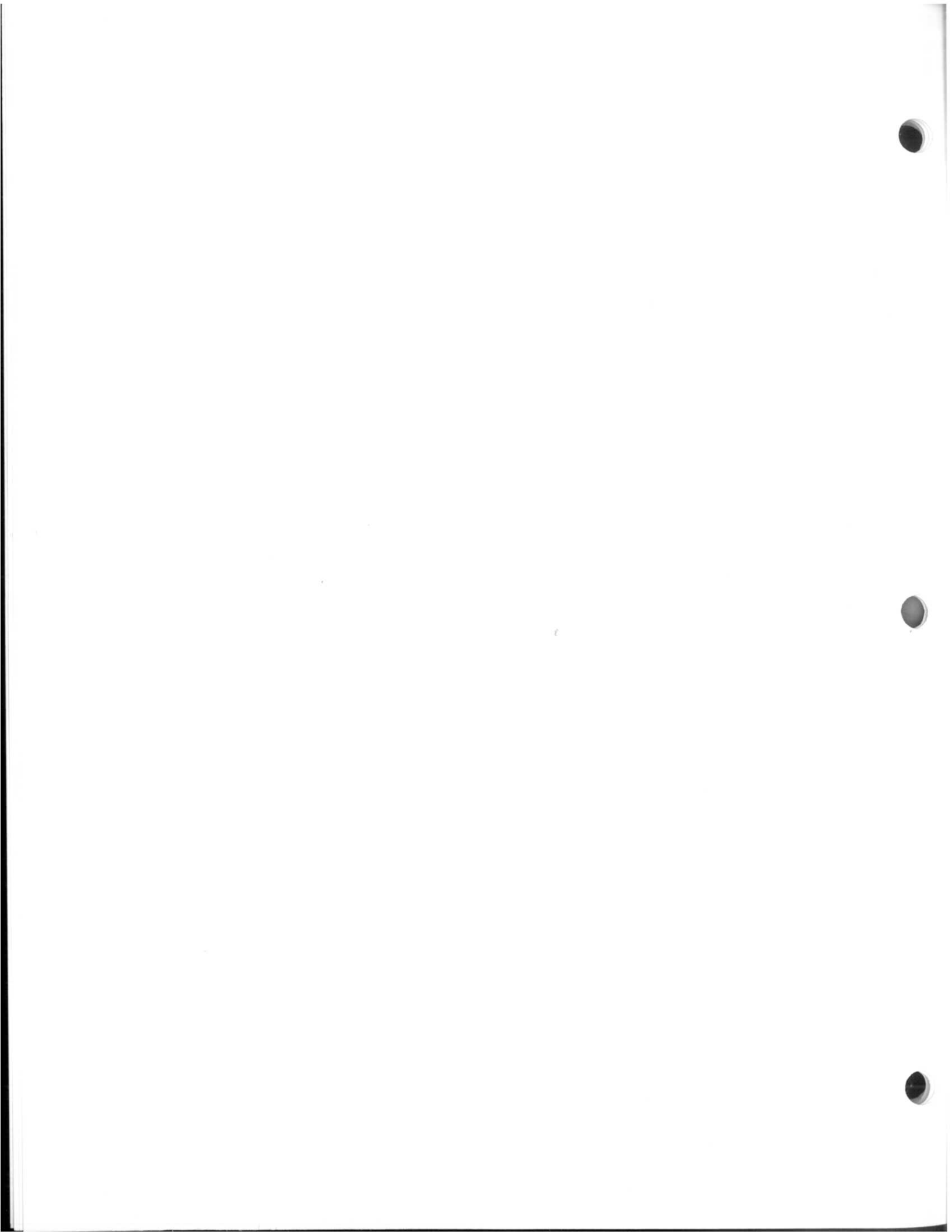
**This machine will give years of dependable service if it is properly cared for. Most machinery problems are caused by lack of maintenance or by misuse. The following sheets contain instructions for the installation, operation, and maintenance of SOMACA BM-106G and BM-132 belt machines.**

**If questions arise concerning the machine or spare parts, call or write us. We will be glad to help.**



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## SECTION 1

## DESCRIPTION &amp; SPECIFICATIONS

I. BM-106G BELT MACHINE**Wet Abrasive Belt Machine for Rough  
Grinding, Smoothing and Polishing of Glass**  
For Use with 4" x 106" Belts**SPECIFICATIONS****Abrasive Belts**

This machine uses standard 4" x 106" abrasive belts. *One 80 grit belt (253-7080), a pair of goggles and a safety shield (262-2030) are furnished with each machine.*

**Frame**

Heavy gauge steel, welded construction.

**Motor**

1 HP, 110/220 volt, 60 cycle, single phase, 3450 RPM, capacitor-type wired to toggle switch, cord and plug. All machines are wired for 110 volts unless otherwise specified.

**Pulleys (Idler and Driven)**

5" diameter, cast iron, machine trued and balanced.

**Belt Tension Device**

Eccentric type with locking handle, and control knob for tracking.

**Type of Platens Available**

- A. Rubber Contact Roller Platen. 24" long glass rest and five 3" diameter wheels.
- B. Flat Metal Cushioned Platen.
- C. Double Roller Platen.

**Bearings**

Sealed standard ball bearings throughout in cast iron housings.

**Coolant System**

Water supply line with solenoid control valve and low consumption water spray nozzle (3.5 gph @ 30 psi) for wet grinding of glass. The water is automatically turned on when the motor is started.

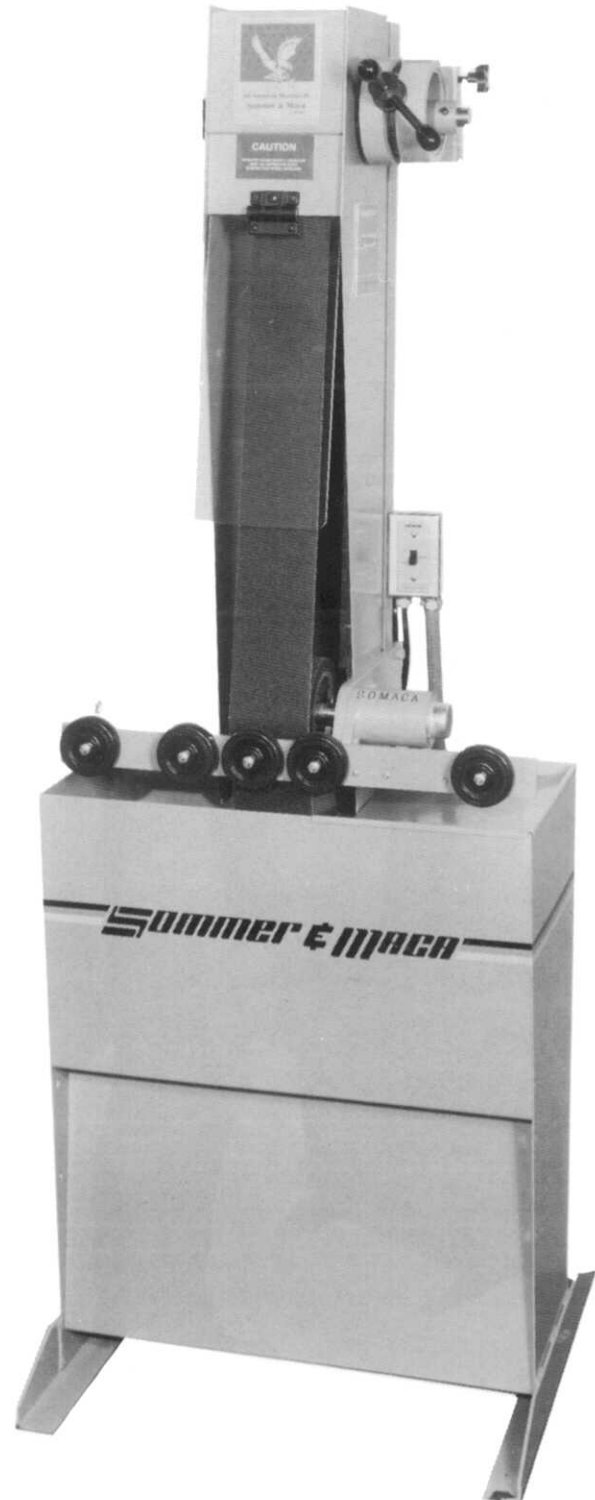
**Standard Models**

BM-106G-RP standard is illustrated with rubber contact roller platen and single phase motor.

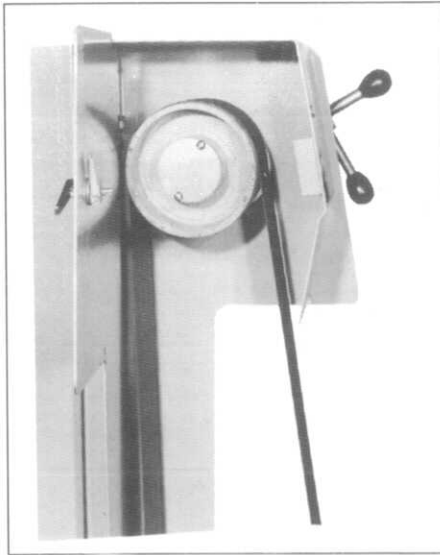
BM-106G-3M is furnished with metal cushioned platen (SM3M-106) instead of rubber contact roller platen, and single phase motor.

**DIMENSIONS**

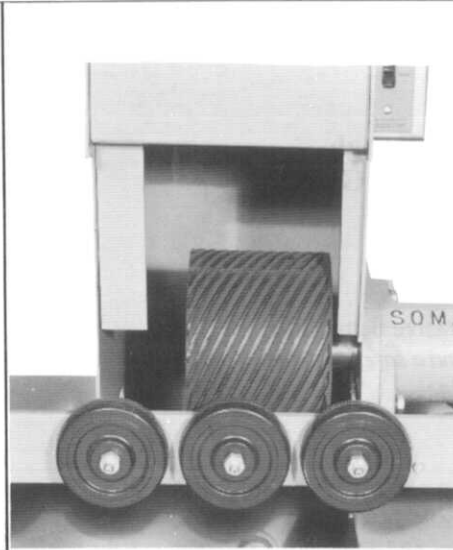
Width	Depth	Height	Shipping Weight
24"	23"	72"	350 lbs.



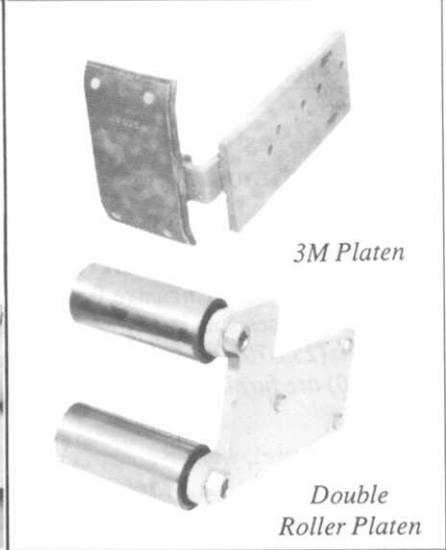
## Some Important Features of the 106G



Quick Change  
Belt/Pulley Assembly



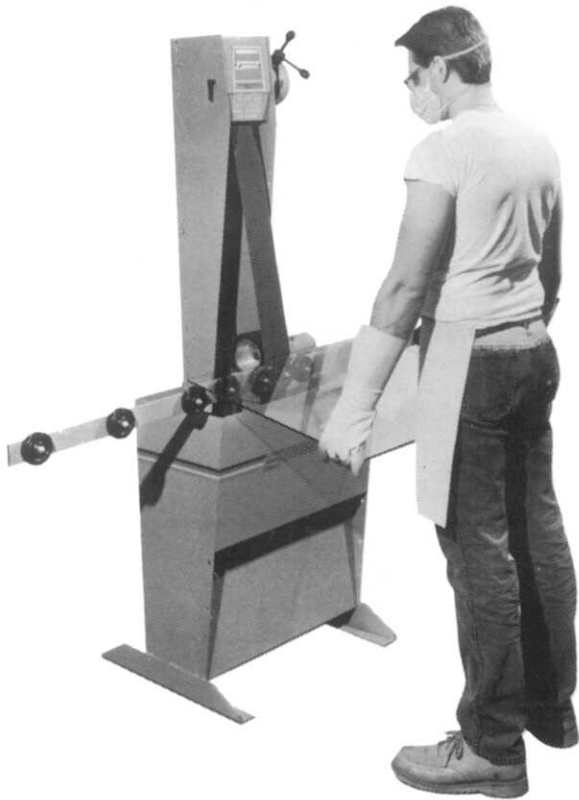
Rubber contact roller platen with a 24"  
glass rest. Comes with five 3" diameter  
wheels.



3M Platen

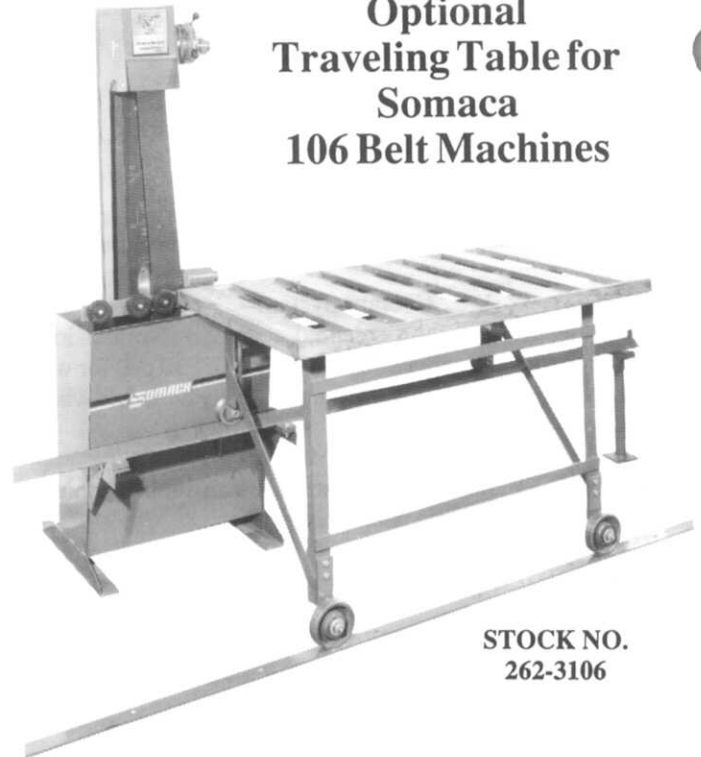
Double  
Roller Platen

3M flat metal cushioned platen for 106G-  
3M model. Optional, double roller platen  
to seam, miter or pencil edge.



BM-106G-RP shown with  
Rubber Contact Roller  
Platen and No. 262-1004  
48" Extension Arm - One Piece (Optional)  
(Extension Arms available in Two - 24" Arms,  
No. 262-2024)

## Optional Traveling Table for Somaca 106 Belt Machines



STOCK NO.  
262-3106

The traveling table can be a great asset to shops that have requirements to seam large lites of glass and mirror. The unit glides on a 12' monorail and is attached by brackets to the side of the machine. Two grooved 5" steel wheels ride effortlessly over the rail. The wood table top is made from select northern pine.

Dimensions	Weight
30" x 50"	300 lbs. w/rails



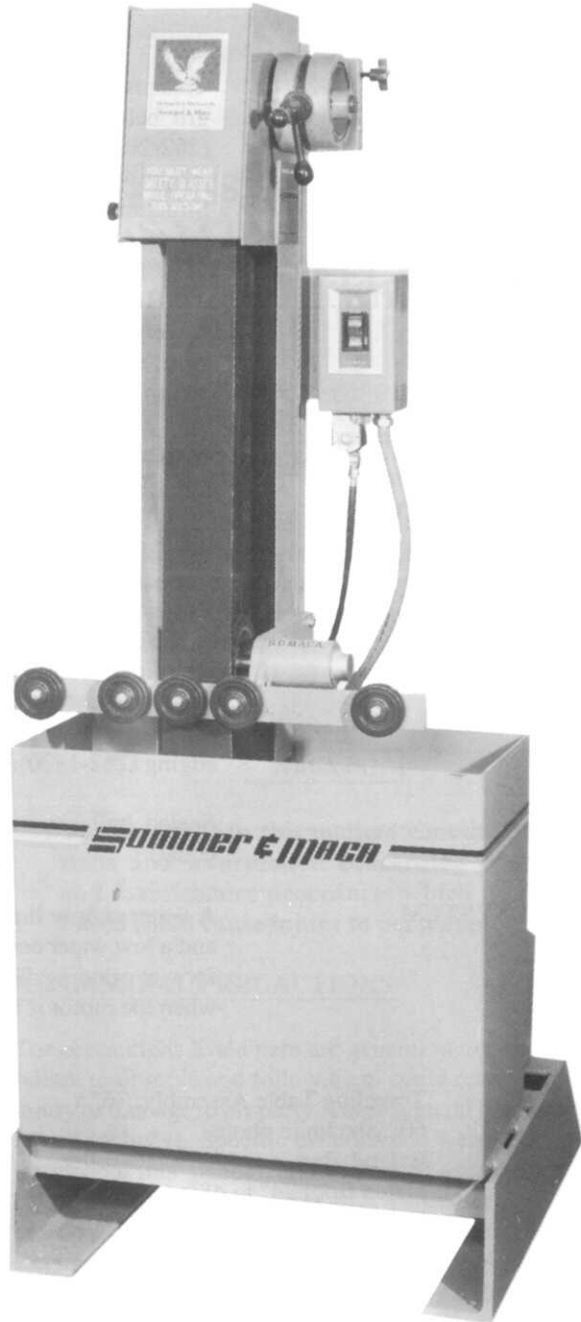
**II. BM-132 BELT MACHINE**

**Heavy Duty Wet Abrasive Belt Machine for  
Rough Grinding, Smoothing and Polishing  
Edges of Glass**

**MODELS . . . . . BM-132 RP:** Furnished complete  
as illustrated in photo with rubber  
contact roller platen.  
**BM-132 DRP:** Furnished with  
double roller platen.

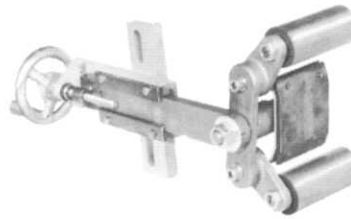
**DIMENSIONS**

<b>Width</b>	<b>Depth</b>	<b>Height</b>	<b>Shipping Weight</b>
28"	33"	74"	700 lbs.



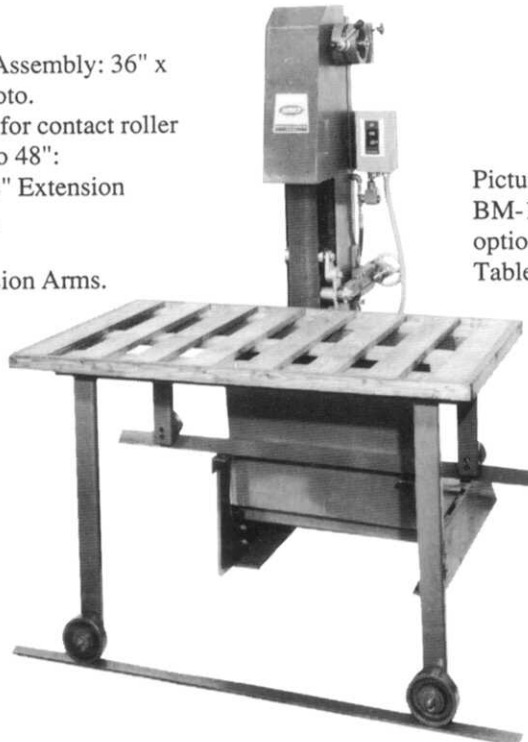
## BM-132 BELT MACHINE SPECIFICATIONS

- ABRASIVE BELT** ..... This machine uses standard 4" x 132" wet or dry belts. One, 80 grit belt (253-9080), a pair of goggles and a safety shield (262-2030) are furnished with each machine.
- FRAME** ..... Structural steel angles from the base; heavy gauge steel is used for the frame enclosures in a rugged, welded construction.
- MOTOR AND STARTER** ..... A 1 HP, 1750 RPM motor, with V-belt drive, provides all the power for normal usage. The motor can be 3 phase, 220 or 440 volts, or single phase, 220 volt. It is wired to a manual push button starter.
- PULLEYS** ..... Both pulleys are 8" dia., cast iron, machined and balanced.
- BELT TENSION DEVICE** ..... Eccentric type with locking handle and control knob for tracking the belt.
- PLATENS** ..... Rubber contact roller with 24" glass rest. Double roller platen (right), for seaming, mitering or pencil edging (262-1320).
- BEARINGS** ..... Sealed ball bearings and standard ball bearings (Fafnir or equal).
- COOLANT SYSTEM** ..... A water supply line with an electrical solenoid control valve and a low water consumption spray nozzle (3.5 gph @ 30 psi) for wet grinding. The water supply is automatically turned on when the motor is turned on.



- OPTIONS** ..... Traveling Table Assembly: 36" x 60", shown in photo.  
Extend glass rest for contact roller platen from 24" to 48":  
No. 262-1014, 48" Extension Arm - One Piece.  
No. 262-2024,  
Two - 24" Extension Arms.

Pictured is Model BM-132 DRP with optional Traveling Table Assembly.



## SECTION 2

### SAFETY

**FAILURE TO OBSERVE THE WARNINGS, CAUTIONS, AND INSTRUCTIONS LISTED IN THIS MANUAL AND ON THE DECALS ATTACHED TO THE BELT MACHINE COULD CAUSE SERIOUS INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.**

#### I. GENERAL SAFETY INFORMATION

##### A. Introduction

This manual contains installation instructions and operating and maintenance procedures for the BM-106G and BM-132 belt machines. The belt machine must be operated and maintained at all times in accordance with the instructions and procedures contained in this manual and on the decals attached to the machine. Only qualified personnel thoroughly familiar with the operating and maintenance instructions should operate and maintain this equipment.

##### B. Safe Operating Considerations

Safety must be observed through all facets of operation and maintenance. Proper tools and operating procedures must be used at all times to prevent accidents which could cause injury to personnel or damage to equipment.

Safe, reliable operation and long service life are dependent upon three important considerations:

1. Care exercised during installation.
2. Quality and frequency of inspection and maintenance.
3. Common sense approach to operation.

#### II. NOTES, CAUTIONS AND WARNINGS

##### A. Notes:

###### Note

The notes contained throughout this manual provide additional information to carry out the operating and maintenance procedures.

##### B. Cautions:

###### CAUTION

The cautions in this manual contain instructions and information concerning operation and maintenance procedures which if not followed could cause damage to equipment, parts, and facilities.

##### C. Warnings:

###### WARNING

The warnings in this manual contain instructions and information concerning operation and maintenance procedures which if not followed could cause injury to personnel.

#### III. GENERAL PRECAUTIONS

The precautions listed here are general in nature; however, failure to observe and follow them could result in personal injury or damage to property. These general precautions are not all-inclusive. Specific cautions and warnings are listed throughout this manual, and additional ones may occur to the user which are peculiar to a particular operation or industry. In addition, employers are subject to the federal Occupational Safety and Health Act (OSHA) of 1970, as amended, which requires that an employer keep abreast of the regulations which will continue to be issued under its authority.

1. Always operate and maintain the belt machine in accordance with the instructions and procedures in this manual.

## SECTION 2 – Safety Cont.

2. Do not open machine doors while unit is in operation.
3. Never work on the belt machine unless electrical power has been locked out and tagged or completely disconnected.
4. Do not use the belt machine for any purpose for which it was not designed. It is to be used solely for rough grinding, smoothing and polishing of glass.
5. Do not poke or prod into the machine with a bar or stick.
6. Keep area around the belt machine dry, and free of debris and obstacles.
7. Never operate the belt machine without guards in position and functioning.
8. Always allow the belt machine to stop naturally. Do not attempt to artificially brake or slow the motion of the belt machine.
9. Always wear safety glasses, proper (glass) gloves, dust respirator, and other necessary safety equipment while operating and maintaining the belt machine. When in doubt, consult with shop safety representative.
10. Always wear safety glasses, proper (glass) gloves, and other necessary safety equipment while handling glass. When in doubt, consult with shop safety representative.

## SECTION 3

### INSTALLATION

#### I. FLOOR AREA

The machine should be placed solidly in position, leveled and, if possible, bolted to the floor. Allow enough area to permit access to the rear of the machine.

*The floor area should be clean of oil, grease and water.*

#### II. PLUMBING

Connect the machine water line (customer supplied) to the shop water supply. It is recommended to use a permanent type of installation, i.e. galvanized pipe or copper tubing with a gate shutoff valve for overnight or weekend turnoff. The fitting on the solenoid valve is a 1/4 inch F.P.T. Also, make a provision to drain the water from the machine's drain pan to a sewer or a recycling system. If this is not feasible a pail may be placed by the drain pan discharge outlet.

#### III. ELECTRICAL

Connect the plug to the shop electrical outlet, first checking to insure that the outlet voltage matches the motor wiring.

**CAUTION**

**Make sure machine has proper electrical ground connection.**

## SECTION 4

### OPERATING INSTRUCTIONS

#### I. ABRASIVE BELT

##### NOTE

When machine will not be used for long periods, release the abrasive belt tension.

The abrasive belt should run downward as the operator faces the working side of belt. Some belts are marked on the inside with an "arrow" to indicate the proper direction of travel. If the belt is run backward, the salvage end of the lap joint will hit the glass, causing the belt to come apart.

1. Open the main water valve and turn on the belt machine. The electrical solenoid valve will open only when the motor switch is on.
2. Adjust the water valve on the water line assembly, to permit a full spray of water on the belt. Use the *main* water valve to shut off the water after grinding, not the water valve on the machine.
3. For a flat, seamed edge, use a belt of medium grit and lightly seam the edges as above. Next, grind the entire edge flat by applying the glass squarely to the platen. Change to a finishing or smoothing grit and go over the flat edge again, then seam both sides of the glass by tilting the glass about 45 degrees and running it across the belt on the platen.
4. Rough grinding can be done with abrasive belts in grit sizes 40 through 120. Belts of 150, 180, 220 and 280 grit are for smoothing; grits 320 and 400 are for satin finishing. Cork belts are used for high polish. SOMMER & MACA carries a complete stock of Wet Abrasive Belts for immediate shipment. "Formax" (No. 259-9026) and Belt Polishing Oil (No. 259-9065) are also carried in stock. Worn belts, even in the coarse grits, can be used for smoothing and finishing.

##### WARNING

**When grinding, always wear safety glasses, dust respirator (rated to protect against glass dust), proper gloves and protective clothing.**

##### WARNING

**Do not grind glass without the water spray. Glass dust from a dry grinding can be injurious to the operator's health.**

#### II. GRINDING

1. The application of the glass and the choice of belt grit are largely a matter of individual operator's preference, but the following procedures are submitted as a guide for general work using either the contact roller platen or the 3M metal cushioned platen.
2. To obtain a round or pencil edge, use a coarse grit belt and lightly seam the sharp edges left from cutting by running or swiping glass quickly across the belt. This will reduce the chipping of the glass during succeeding grindings. Then draw the glass slowly across the unsupported area of the belt, above the platen, and at the same time tilt the glass up and down until the desired contour is obtained. Finish the edge on a smoothing belt and polish if desired.

## SECTION 5

### MAINTENANCE INSTRUCTIONS

#### I. ABRASIVE BELT REPLACEMENT

1. Check the arrow inside the belt to be sure that it points in the proper direction of travel, then slip it over the bottom pulley.
2. Loosen the pulley bracket lockscrew so that the eccentric is loose. Pull the eccentric handle down, then slip the belt over the top pulley.
3. Push the eccentric handle upward until the belt is tight. Allow 1/2 inch to 3/4 inch slack in the belt for proper tension. Then lock the eccentric in position by tightening the pulley bracket handle. *Do not over tighten!*
4. The belt should ride in the center of both pulleys. To check this, pull the belt through *by hand*. If the belt drifts, use the tracking control knob and turn it clockwise or counterclockwise, as the case may be, until the belt is centered on both pulleys.

#### II. BELT PULLEYS

After a year or two of continued machine use, the belt pulleys will wear and require re-machining or replacement. If, after centering adjustments have been made on the upper tracking control knob the abrasive belt fails to track properly, check the pulley by placing a straightedge (6" or 12" rule) across the surface. A new pulley at this point will have a noticeable hump or crown in the center. A worn pulley will be flat or have a valley in its center. If the pulley is worn, a one (1) degree crown should be re-machined on the surface.

#### III. SPRAY NOZZLE

The spray nozzle will function properly only as long as it is kept clean. It should be disassembled periodically and the metal screen brushed clean. If water continues to drip from the nozzle when the switch is off, disassemble the water valve; clean the poppet valve and the valve seat.

#### IV. CONTACT ROLLER PLATEN

Using a grease gun, with a good grade of chassis grease, grease the five fittings on the contact roller platen wheels. This should be done *weekly* to flush out any grit which has collected and will prolong the life of the axles and rollers. Wipe off excessive grease.

#### V. LOWER BEARINGS (BM-132)

On the Model BM-132 are two additional grease fittings. They are located on the lower bearing housing and should be lubricated *every three months*. Apply grease to both fittings.

#### VI. MOTOR V-BELT

Check motor V-belt tension periodically and adjust if necessary. The V-belt should be tensioned so it fits snugly in both V-pulleys. It should have a 1/4 inch (maximum) deflection, when pressed in the center of the belt with light finger pressure.

#### VII. GENERAL MAINTENANCE

1. Wipe down the belt machine at the end of each work day.
2. Clean drain pan thoroughly once a week.

#### **NOTE**

Follow manufacturer's recommendations for lubrication of motor.

## SECTION 6

### TROUBLE SHOOTING PROCEDURES

#### Problem

#### Possible Solution

The abrasive belt does not track

1. Check for proper pulley crown. If the pulleys are worn:
  - A. Send to machine shop if there is sufficient metal and resurface to a 1 degree crown.
  - B. Check for alignment between upper and lower pulleys by using a 48" long straightedge. The four outer rims (2 on each pulley) should be vertically in line.
  - C. If necessary replace pulley(s).

The abrasive belt slips or stops under load

1. The belt tension is too loose, possibly, because the belt has stretched with use. Tighten the abrasive belt. Note: when machine will not be used for long periods, release the belt tension.
2. Check V-belt drive under the machine. The V-belt should be tensioned so that it fits snugly in both V-pulleys. It should have a 1/4 inch (maximum) deflection, when pressed in the center of the belt with light finger pressure.

Lower bearings rattle (applies only to the BM-132)

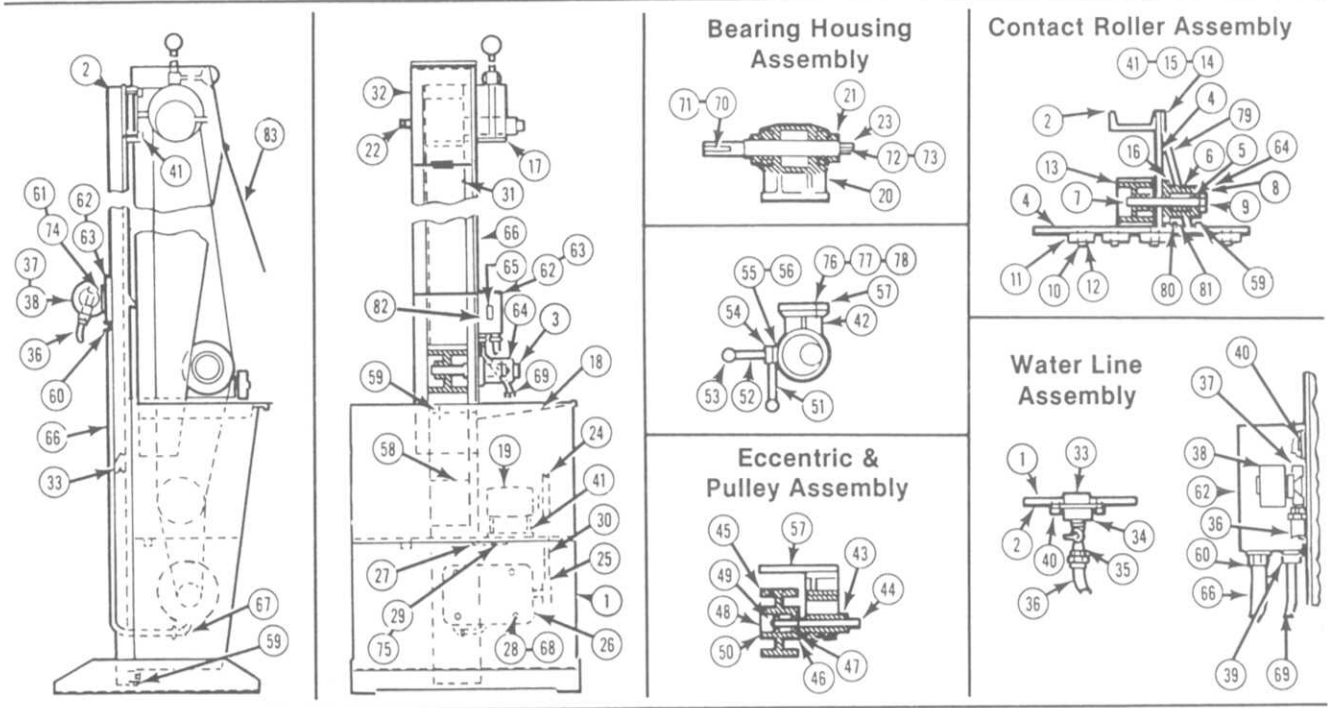
1. Remove sanding belt and start motor. If the lower bearings rattle or if there is play between the shaft and the bearings, replace the bearings in the housing.

Lower bearings need frequent replacement (applies only to the BM-132)

1. The fit on the shaft or in the housing is too loose (more than 0.001" play is excessive).
2. The sanding belt is overtensioned. There should be 1/2" to 3/4" free movement of belt between the upper pulley and the rubber pulley or platen. There should be no more than 1" free movement of the abrasive belt between the upper pulley and lower pulley when no platen is used.
3. Lubrication is not done on schedule. See Section 5, Paragraph V.

SECTION 7

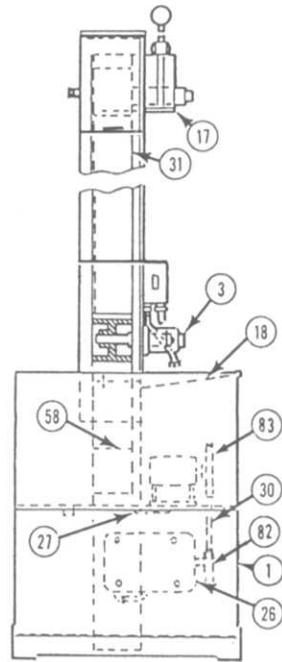
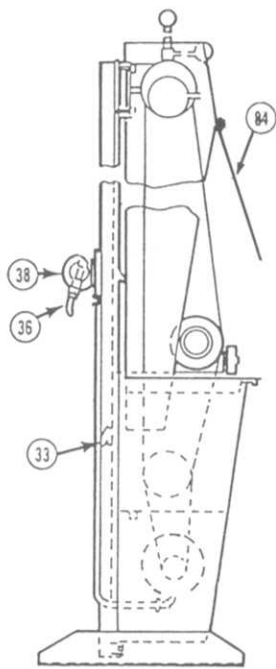
PARTS LIST  
BM-106G (1987-PRESENT)



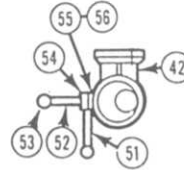
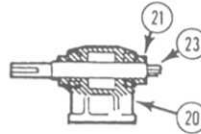
REF NO.	PART NO.	DESCRIPTION & QTY.	REF NO.	PART NO.	DESCRIPTION & QTY.
1	3-55877-00	BODY & STAND ASSEMBLY (1)	42	3-55862-00	ECCENTRIC HOUSING (1)
2	3-55875-00	MAIN SUPPORT CHANNEL (1)	43	3-77477-00	ECCENTRIC (1)
3	3-55872-00	CONTACT ROLLER ASSEMBLY (REF.)	44	3-01187-02	ROLLER SHAFT (1)
4	3-55874-00	ROLLER SUPPORT FRAME (1)	45	3-01892-00	UPPER PULLEY (1)
5	C52-2772-1	SPIROLOX RING RR204 SERIES "S" INTERNAL "RAY M RING" (2)	46	C41-3020-0	FAFNIR NO. W204PP BRG. (2)
6	3-56182-00	BEARING HOUSING (1)	47	3-01188-00	OPEN COVER PLATE (1)
7	3-55863-00	ROLLER SHAFT (1)	48	3-00170-00	CLOSED COVER PLATE (1)
8	C41-5935-0	FAFNIR BRG. RA100RR SEAL (2)	49	C52-2956-1	TRU-ARC No. 5100-78 INTERNAL RETAIN. RING (1)
9	3-56672-00	BEARING CAP (1)	50	C50-1846-0	NO. 10-24 x 3/8 LG. SLOT RD HD MACH. SCREW (4)
10	C64-0062-0	ALEMITE NO. 1743B GREASE FITTING (5)	51	3-55868-00	ECCENTRIC LOCK HANDLE (1)
11	C63-0001-0	PAYSON NO. 203062 DX, BUSH/RUB ROLL. (5)	52	3-55864-00	ECCENTRIC HANDLE (1)
12	3-69888-03	SHOULDER SCREW (5)	53	3-00171-00	PULLEY ADJ. HAND KNOB (2)
13	3-55858-00	RUBBER COVERED ROLLER (1)	54	3-55867-00	ECCENTRIC LOCK NUT (1)
14	C50-0055-0	3/8-16 x 1 LG HEX HD CP SCREW (2)	55	3-81287-00	LOCKING WASHER (1)
15	C50-4924-0	1/4-20 x 1/2 LG SET SCREW (3)	56	3-55870-00	ECCENTRIC LOCK DISC (1)
16	C50-0030-0	5/16 x 18 x 1 LG. HEX HD CP SCREW (4)	57	3-55865-00	ECCENTRIC BRACKET (1)
17A	3-81243-00	ECCENTRIC & PULLEY ASSEMBLY (REF.)	58	3-00166-00	LOWER PULLEY (1)
17B	161-0005-0	TOGGLE CLAMP (1)	59	450-0065-0	5/16-18 x 5/8 LG. H.H.C.S. (5)
18	3-55878-00	DRAIN PAN (1)	60	C14-0050-0	1/2 SEALTITE CONN. (1)
19	3-00669-09	BEARING HOUSING ASSEMBLY (REF.)	61	114-0265-0	CHASE NIPPLE, CN 50-1/2 (1)
20	3-01897-00	BEARING HOUSING (1)	62	3-69575-00	JUNCTION BOX (1)
21	441-3060-0	FAFNIR NO. 1103KRR W/COLLAR (2)	63	3-70286-00	COVER - ELEC. JUNCTION BOX (1)
22	C61-0803-0	"L" HANDLE LATCH, SOUTHCO. NO. 61-20-107-11 (1)	64	450-7214-1	NO. 6-32 x 3/16 LG. SLOTTED RD HD ST SCREW (2)
23	3-01272-02	SHAFT (1)	65	415-7201-0	SWITCH D.P. (1)
24	C32-0021-2	MAUREY NO. AC-55 3/4 BORE 3/16W x 3/32 DP KWY (1)	66	R36-0060-0	1/2 SEALTITE x 40 LG. (1)
25	C32-0009-1	MAUREY NO. 2260 5/8 BORE 3/16W x 3/32 DP KWY (1)	67	C14-0110-0	1/2 x 90 DEGREES LIQUID TITE CONN. (1)
26	410-0502-0	1 HP 3600 RPM 56D FRAME 1/60/115/230 (1)	68	C51-1395-0	FLAT WASHER 3/8 (4)
27	3-58825-00	SUPPORT PLATE (1)	69	C14-2801-0	POWER CORD, 8 FT., 14 GA, 3 CON. (1)
28	C51-0001-0	5/16-18 NUT (4)	70	3-76687-00	1/4 x 1/4 x 2-1/4 KEY (FOR PULLEY) (2)
29	C50-0058-0	3/8-16 x 1-3/4 LG. H.H.C.S. (1)	71	450-4887-1	5/16-18 x 1/2 LG. SET SCREW (4)
30	C33-0308-0	V-BELT GATES NO. A31 (1)	72	3-76688-00	3/16 x 3/16 x 1-1/2 LG. KEY (2)
31	491-0000-0	NO. 106 x 4 ABRASIVE BELT (1)	73	C50-4924-0	1/4-20 x 1/2 LG. SET SCREW (4)
32	3-86986-00	ECCENTRIC HOOD ASSEMBLY (1)	74	C14-0345-0	LOCK NUT BL50 (1)
33	3-00105-00	SPRAY NOZZLE HOLDER (1)	75	C51-0002-0	3/8-16 HEX NUT (2)
34	C22-0355-0	SPRAY SYSTEMS - SPRAY NOZZLE 1/4 LN4-1/4 FPT (1)	76	450-0068-6	1/2-13 x 1-3/4 LG. H.H.C.S. (BLACK OXIDE) (2)
35	C21-7851-0	WEATHER HEAD 6815 WATER VALVE (1)	77	451-0061-6	1/2-13 JAM NUT (BLACK OXIDE) (2)
36	C23-3060-0	GATES NO. 119B 1/4 I.D.-1BRD. (1)	78	C51-1405-6	1/2 STD. FLAT WASHER (BLACK OXIDE) (2)
37	419-0055-0	PARKER GOLD RING NO. OF20C-2110ACF 1/4 PORT (1)	79	3-86985-00	ROLLER MTG. BRACE (1)
38	419-1000-0	SOLENOID COIL PARKER GOLD RING NO. CFGC05 (1)	80	C50-0029-0	5/16-18 x 7/8 LG. H.H.C.S. (2)
39	C14-0167-0	1/4 TO 7/16 CORD TO 1/2 K.O. CORD CONN. (1)	81	3-78391-00	TIE BRACKET (1)
40	450-0013-0	NO. 10-24 x 5/8 LG. H.H.C.S. (4)	82	415-7132-0	MOTOR STARTER OVERLOAD (1)
41	C50-0056-0	3/8-16 x 1-1/4 LG. H.H.C.S. (4)	83	262-2030	SAFETY SHIELD (1)



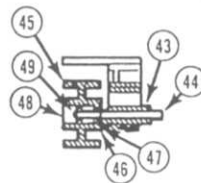
## SECTION 7 PARTS LISTS BM-132



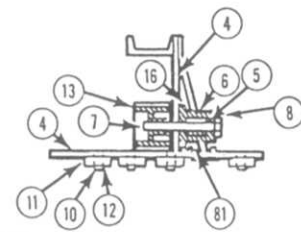
**Bearing Housing Assembly**



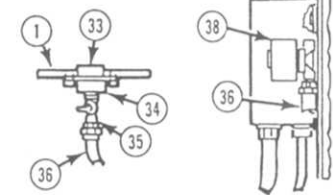
**Eccentric & Pulley Assembly**



**Contact Roller Assembly**



**Water Line Assembly**



REF NO.	PART NO.	DESCRIPTION & QTY.
1	3-77395-00	FRAME (1)
3	3-55872-00	CONTACT ROLLER ASSEMBLY (1)
4	3-55874-01	ROLLER MOUNTING BAR (1)
5	C52-2772-1	INTERNAL SPIROLOX RING (2)
6	3-56182-00	BEARING HOUSING (1)
7	3-55863-00	ROLLER SHAFT (1)
8	C41-5935-0	BEARING, FAFNIR RA100RR-SEAL (2)
10	C64-0062-0	ALEMITE GREASE FITTING (5)
11	C63-0001-0	PAYSON BUSHED RUBBER ROLLER (5)
12	3-69888-03	SHOULDER SCREW (5)
13	3-55858-00	RUBBER COVERED CONTACT ROLLER (1)
17	3-77476-00	ECCENTRIC & PULLEY ASSEMBLY (1)
18	3-77396-00	DRAIN PAN (SINK) (1)
20	3-04584-00	BEARING HOUSING (1)
21	C41-5055-0	BEARING, FAFNIR 1104KL (2)
23	3-77478-00	SHAFT (1)
26	(Specify Voltage)	MOTOR, 220/440 (1)
27	3-77543-00	MOTOR MOUNTING PLATE (1)
30	C33-1439-0	V-BELT, MOTOR TO SPINDLE (1)
31	491-0007-0	ABRASIVE BELT, 4" x 132" (1)
33	3-00105-00	SPRAY NOZZLE HOLDER (1)
34	C22-0355-0	SPRAY NOZZLE (1)
35	C21-7851-0	WATER VALVE (1)
36	C23-3070-0	HOSE, 1/4" ID. x 24" LG. (1)
38	C19-0021-3	SOLENOID VALVE (1)
42	3-55862-00	ECCENTRIC HOUSING (1)
43	3-77477-00	ECCENTRIC (1)
44	3-77544-00	UPPER SHAFT (1)
45	3-00244-00	UPPER PULLEY (1)
46	C41-2790-0	BEARING, FAFNIR 205PP (2)
47	3-05993-00	OPEN COVER CAP (1)
48	3-05993-01	CLOSED COVER CAP (1)
49	C52-2960-1	SNAP RING (1)
51	3-55868-00	ECCENTRIC LOCK HANDLE (1)
52	3-55864-00	ECCENTRIC HANDLE (1)
53	3-00171-00	PULLEY ADJ. KNOB HANDLE (2)
54	3-55867-00	ECCENTRIC LOCK NUT (1)
55	3-81287-00	LOCKING WASHER (1)
56	3-55870-00	ECCENTRIC LOCK DISC (1)
58	3-00243-00	LOWER PULLEY (1)
81	3-78391-00	TIE BRACKET (1)
82	432-0106-2	MOTOR PULLEY (1)
83	432-0122-4	SPINDLE PULLEY (1)
84	262-2030	SAFETY SHIELD (1)
Not Shown	3-78149-00	BELT DRIVE GUARD (1)

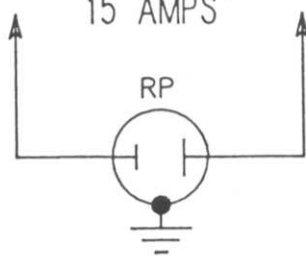
**NOTE**

Refer to the individual pages in the front of this manual for optional components offered on the BM-132 and BM-106G belt machines.

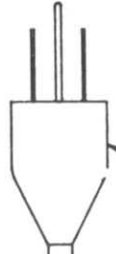
TO CUSTOMER'S POWER SUPPLY

1PH-60HZ-115V

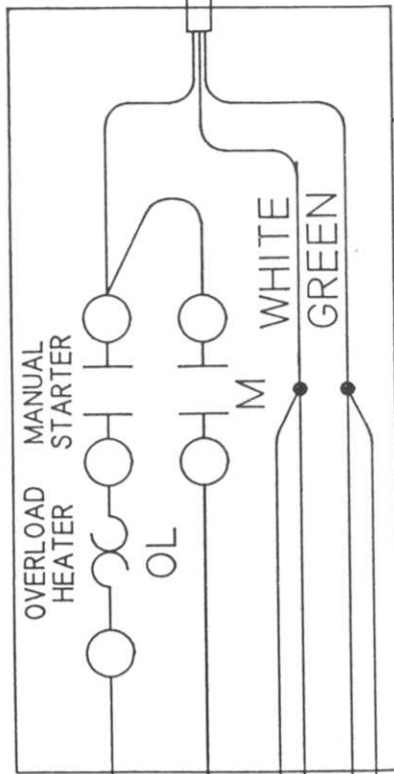
15 AMPS



CUSTOMER GROUNDED RECEPTICAL  
STRAIGHT BLADE  
15 AMPS



GROUNDED PLUG  
AND CORD



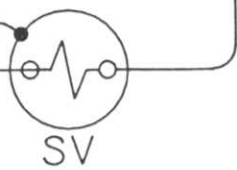
STARTER ENCLOSURE

OVERLOAD  
HEATER

MANUAL  
STARTER



BELT DRIVE  
1HP 3450RPM



WATER SOLENOID  
VALVE

## WARRANTY STATEMENT

Sommer & Maca Industries, Inc. (Seller) warrants products of its manufacture to be free from defects in materials and workmanship in normal use for six months from the date of shipment, unless a shorter period is provided elsewhere in this document. Seller's obligation and Buyer's exclusive remedy shall be limited to the repair or replacement, at Seller's option, of defective parts within the warranty period, provided Buyer gives Seller immediate written notice of such alleged defects, and, if requested by Seller, returns the defective parts to Seller's factory prepaid for Seller's inspection.

The warranties contained herein are in lieu of any other warranty, expressed or implied, including any warranty of MERCHANTABILITY OR FITNESS FOR PURPOSE.

In the case of equipment furnished by Seller but not of Seller's manufacture, Seller's liability to Buyer hereunder is limited to such adjustment as the manufacturer thereof makes to Seller. Seller shall in no event be liable for consequential damages.

Warranties hereunder shall not apply to any equipment that shall have been damaged by misuse, neglect, failure to perform maintenance, or accident after the shipment thereof by Seller. In addition thereto, this warranty shall be null and void if the (1) machine is used in a manner contrary to instructions or after malfunction is noticed, (2) Buyer does not honor terms of payment, and (3) machine is modified or altered without the agreement of Seller.

