#### SYNCHRON SYSTEM BASE



SYNCHRON BASE (M460) - recommendable for general cutting of fabric

UNSCREW (M548) and by removal of BASE PLATE (M426)



CUTTING FOOT (M424) with COUNTER BLADE assemblies (M550, 728 & 729)



- Recommendable to apply for cutting of
- 1) Plastic or synthetics and sharp angle of fabrics
- (2) Also slitting of knit fabrics and coarse fabrics

#### MICRON SYSTEM FEET



BASE (M402) and TIP COMPLETE (M706) is good for general cutting operation of fabrics, plastics and



CUTTING GUIDE (M404) and TIP COMPLETE (M714) is recommendable for sharp angle cutting operation of fabrics, plastics and synthetics



BALL POINTED CUTTING GUIDE (M405) and TIP COMPLETE (M714) is recommendable for slitting cut or general cutting operation of knit fabrics and other coarse woven (EXTRA)

#### KNIVES

... MOTOD

AGENT:

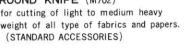


6-SIDED KNIFE (M700) for

cutting of knit fabric, synthetics thin leather, plastic sheet and any slippery material. (STANDARD ACCESSORIES)



ROUND KNIFE (M702) for cutting of light to medium heavy





8-SIDED KNIFE (M703) for cutting of fibreglass, hard plastics and thick, slippery materials. (OPTION ACCESSORIES)



ALSO AVAILABLE HEAT FREE TEFLON COATEDKNIFE FOR ANTI FRICTION

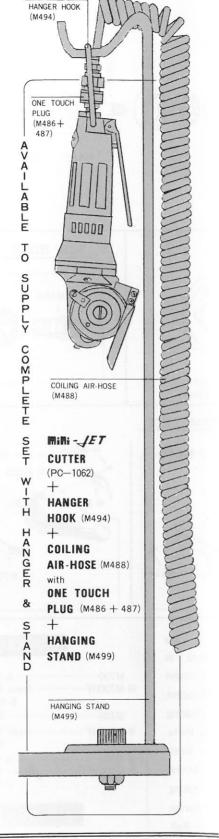
#### SPECIFICATIONS

AIR MOTOR:	
Air pressure used ······:	6 kg/cm²
Max. horse power ·····:	0.4 HP (300 W)
Max. Torque·····:	0.032 kg-m
Max. Speed with load::	9,000 r.p.m. (without load 20,000 r.p.m.)
Max. Air consumption with load ·····:	3.8 m 3/min. (without load 0.45 m 3/min.)
AIR INLET:	
Outside Diameter:	
Inlet screw threading:	1/4 PT
Compressor (recommendable):	1.0 HP compressor for 1 cutter
CUTTER:	
Cutter:	
Diameter of knife:	
Dimension····::	
Standard accessories :: :	2-knife(round and 6-sided), 1-allen screw wrench, 1-grease, and 1-oil.
WEIGHT:::	(NW) 0.9 kg (GW) 1.3 kg

# CUTTERS exchange inc.

EVERYTHING FOR THE MODERN OFFICE AND GARMENT FACTORY 4500 Singer Road P.O.Box 7001 Murfreesboro, TN 37133 U.S.A. TEL: (615) 895-8070 FAX: (615) 895-3210

#### HANGING STAND





The MINI JET CUTTER provides a most powerful and amazingly fastest cutting performance, and a long trouble-free life is assured on account of specially engineered pneumatic motor.

This cutter has many distinguished features; namely, (1) Recessed shape for total visibility, (2) Powerful and duplicity noise silencer. (3) Troubleless through over-load. (4) One-touch sharpener, (5) Stationary carbide counter cutting blade, (6) Felt pad oiler and built-in lubricator. (7) Light weight only 0.9 kg (2 lbs.) (8) 6-different types of knife made from high-speed steel, (9) Grip style lever switch, and (10) Two-in-one Synchron system cutting base,

The following are the operating instructions for your Cutter (all numbers given below refers to parts list on the other side).

#### START TO OPERATE:

Connect AIR INLET (M485) to the compressor AIR HOSE (M489). To operate Cutter, press THROTTLE LEVER (M482) and to stop operate, release Lever. The air motor uses 6 kg/cm2 air pressure. 1.0 HP compressor required for 1 cutter (3 HP for 2 cutter). When COILING AIR HOSE (M488) with one touch AIR INLET (M486, M487) in use, change AIR INLET (M486) in stead of AIR INLET (M485) and connect with AIR INLET SOCKET (M487) and COILING AIR HOSE (M488)

#### CUTTING:

Maximum cutting height is 8 mm (5/16") depending on type of materials. Lays should not be higher than its height.

To maintain perfect cutting performance, replace the KNIFE (M700, M702 & M703) when the knife is worn down to about 42 mm (1-5/8").

#### SHARPENING KNIFE:

Lightly press the sharpener PUSH BUTTON (M528) just enough for SHARPENING STONE (M688Z) to grind the rotating knife.

Don't press too hard because it will burr the knife. You should keep knife always sharp for clean and accurate cutting.

#### LUBRICATION:

- (a) Oscillating OILER (M418) —In case Cutter uses daily, saturates OIL PAD (M682) twice daily with OILER (M670) through the oil hole.
- (b) OIL PAD (M680) behind knife-Requires oil only when cutting plastics or the stiff materials which is apt to adhere to knife.
- (c) GEARS (M450 & M452-A) In case Cutter uses daily, grease gears each 3 days with special red GREASE (R672) through bushing located in back of GEAR HOUSING (M400Z).
- (d) AIR MOTOR (M490B) When the first operation, in order to remove dust during the transportation, give a plenty of clean oil -spindle oil #60 - in the AIR INLET (M485). In case Cutter uses daily, drops a few oil through the oil hole before and after the operation.

#### SYNCHRON SYSTEM CUTTING BASE:

SYNCHRON BASE (M460) use for general cutting purpose. Unscrew the ROUND HEAD SCREW (M548) and remove the BASE PLATE (M426), it converts easily to a CUTTING FOOT (M424) with COUNTER BLADE (M729) for slitting or trimming of plastics or stiff material as well as knitted fabrics.

#### CHANGE VANES:

When the rotation of vane lowers after several months operation, overhaul and wear checking on the VANES (M470) are required. In case Vanes worn remarkably at the edge it must be replaced.

Separate the CONNECTOR (M462B-A) from the MOTOR CASE (M476) by turning counter clockwise. Tap the upper part of the motor case with a wooden hammer and draw the ROTOR (M469) out from the top. Then, the CYLINDER (M472), COUPLING (M416), NUT (M465), GUIDE PLATE (M466), BALL BEARING (M 467 & M474), BRACKET (M 468 & M473), ROTOR (M 469), VANES (M470), SPRING PIN (M471) and END PLATE (M475) are all drawn out at the same time. For disassembling the motor section, it is enough only to pull them lightly.

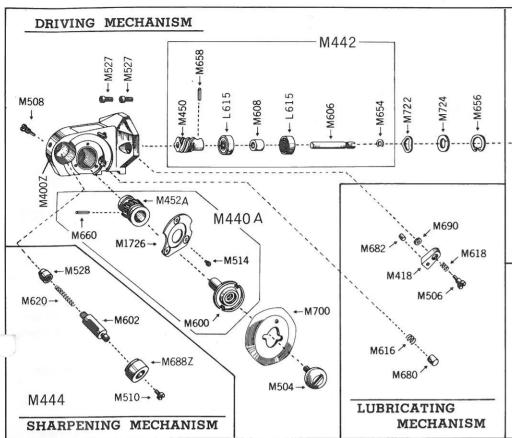
#### THROTTLE VALVE & LEVER:

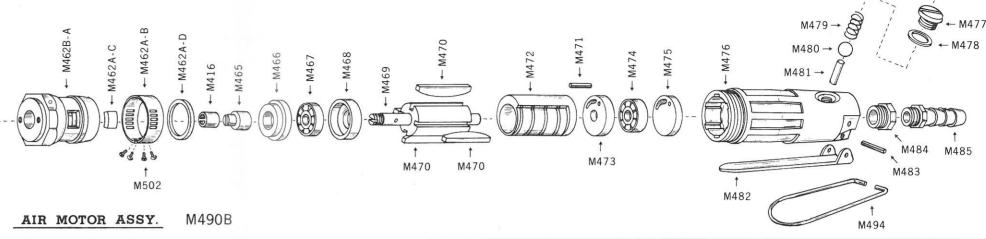
Usually, the air inlet valve section in the motor case requires no overhaul. In case of disassembly, after removing the VALVE SCREW (M477) by turning counter clockwise, the PACKING (M478), SPRING (M479), BALL (M480) and VALVE PIN (M481) can be easily draw out. THROTTLE LEVER (M482) can be separated by removing the SPRING PIN (M483).

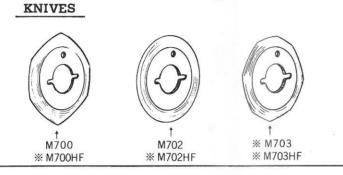
#### CHANGE SHARPENING STONE:

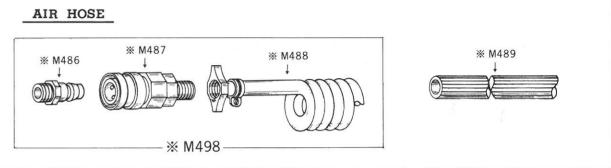
Remove the knife, then loose stepped screw (M508) to take out sharpening mechanism. Remove sharpening stone (M688Z) from stepped shaft (M602) by unscrewing flat head screw (M510) and put in new sharpening stone. Remove compression spring (M620) by unscrewing push button (M528) on stepped shaft. Replace sharpening mechanism into gear housing (M400Z), insert stepped screw through gear housing and into stepped shaft. Then replace compression spring and push button. To clean sharpening stone, simply use cleaning fluid and a brush to keep it clean.

## CUT-LINE MINI JET COMMENT MODEL PC-1062 PARTS LIST

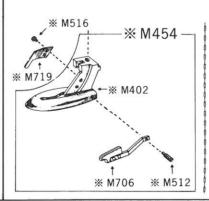


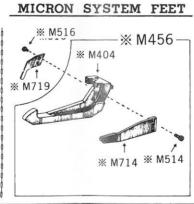


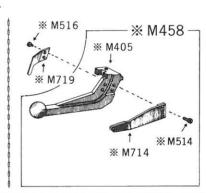


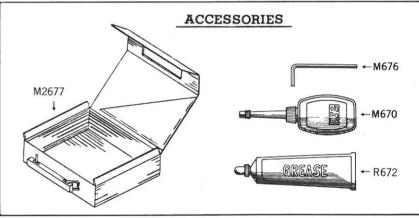


# SYNCHRON SYSTEM BASE M550 → M550









#### DRIVING MECHANISM

M400Z ····· Gear Housing Complete
M450 Worm
M452A ····· Worm Wheel
M527 ····· Allen Screw
M504 ····· Knife Lock Screw
M508·····Stepped Screw
M514 ····· Fillister Head Screw
M600·····Stepped Shaft
M606 Shaft
M608 Spacer
L 615 ····· Ball Bearing
M654 E Ring
M656 Snap Ring
M658···· Spring Pin
M660····Spring Pin
M700 ····· 6-Sided Knife

M722·····Undulated Washer
M724 · · · · · Washer
M1726 ····· Cover Plate Complete
M440A····· Worm Wheel Assy.
M442·····Worm Assy.

#### SHARPENING MECHANISM

M510 ·····Flat Head Screw
M528·····Push Button
M602·····Stepped Shaft
M620 Spring
${\tt M688Z\cdots Sharpening\ Stone\ Complete}$
M444 ···· Sharpener Assy.

#### LUBRICATING MECHANISM

M418 · · · · Oiler

M506 Stepped Screw
M616 Spring
M618Spring
M680 Oil Pad
M682 Oil Pad
M690····· Washer

#### AIR MOTOR ASSY

ma moren meet;
M462B-A····· Connector
M462A-BSilencer
M462A-C····· Filter C
M462A-D·····Filter D
M416····· Coupling
M465Nut
M466····· Guide Plate
M467 ···· Ball Bearing
M468 ····· Front Bracket
M469 Rotor

M471 ···· Spring Pin
M472 ····· Cylinder
M473 ····· Rear Bracket
M474 ····· Ball Bearing
M475 ···· End Plate
M476 ····· Motor Case
M477 ····· Valve Screw
M478 ···· Packing
M479 Spring
M480 Ball
M481 ····· Valve Pin
M482 ····· Throttle Lever
M483 ····· Spring Pin
M484 ····· Air Inlet Joint (P.T.1/4)
M485 Air Inlet
M494 ····· Hanger Hook
M490B AIR MOTOR ASSY.
M502 ·····Socket Screw

M470 ..... Vane

#### KNIVES

	M700·····	
*	M700HF	
		6-Sided Kmif
	M702·····	·····Round Knif
*	M702HF	leet Free Teflo
		Round Knif
*	M703·····	····8-Sided Knif
*	M703HF	leet Free Teflo
		8-Slded Knif

* M487 ····· Air Inlet Socket (for M488)
* M488 ······ Coiling Air Hose (inside dia. 9.5 mm—3/8")
$\ensuremath{\mathbb{X}}$ M498 $\cdots$ . Coiling Air Hose Assy.

#### SYNCHRON SYSTEM BASE

*
M424 ····· Cutting Foot
M426 ···· Base Plate
M501 ····· Flat Head Screw
M548 Round Head Screw
M550 Flat Head Screw
M728 Plate
M729 Counter Blade Complete
M460 ···· SYNCHRON BASE ASSY.

### MICRON SYSTEM FEET

	Wio/U····································
	R672 ····· Tube of Grease
	M676 ····· Large Allen Key
	M2677 ···· Vinyle Pouch
I.	

 M 714 ··· Cutting Tip Complete (Guide) \* M454 ····· MICRON BASE ASSY. \* M456 ····· CUTTING GUIDE ASSY. **\*\* M458 ·· BALL POINTED CUTTING** GUIDE ASSY. ACCESSORIES

\* M512·····Screw for Base

\* M514 ·····Fillister Head Screw \* M706...Cutting Tip Complete (base)

IAIC	10		Lar	ge A	1116	en Key	
M2	677 ·			Viny	le	Pouch	
<b>※</b> )	ARE	OPTIONAL	PA	RTS			

REMARKS: PARTS (MARKED BY AND WILL BE SUPPLIED UPON REQUEST. WHEN ORDERING PLEASE INDICATE IF REQUIRED.