$$\rangle \qquad \text{INDEX} \qquad \langle$$

TO OBTAIN THE BEST PERFORMANCE AND ENSURE YEARS
OF TROUBLE-FREE USE, PLEASE READ THIS OPERATING
GUIDE CAREFULLY

1) PARTS IDENTIFICATIONS
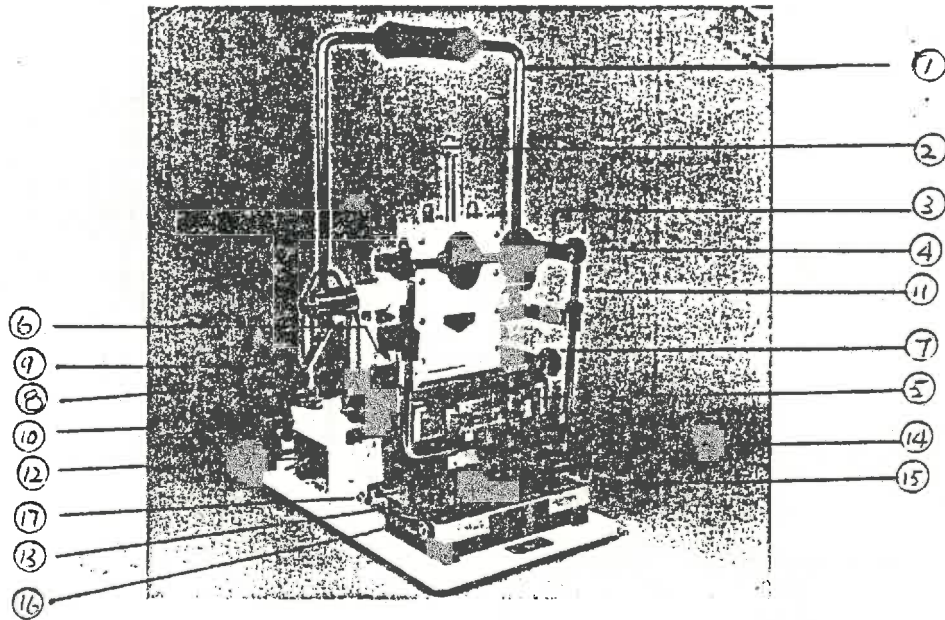
Keys:

(1)	Handle	(7)	Knob	(13)	Printing Table
(2)	Pressure Control Nut	(8)	Foil Adjustment	(14)	Fixing Knob
(3)	Foil Holder	(9)	Allen Screw	(15)	Guide Rule
(4)	Nut (at Foil Holder)	(10)	Spring	(16)	Type Holder Supporter
(5)	Type Holder	(11)	Foil Guide Bar	(17)	Hexagon Screws
(6)	Clip (at Type Holder)	(12)	Temperature Controller		

2) SAFETY PRECAUTIONS

- Suggestions below are very important for the machine's safety use.

- Place the machine on a stable platform or table to ensure that there is no movement of the machine during operation.

- At all time neither TOXIC/ INFLAMMABLE products should be placed near the machine nor any attempt should be made to print on any object or product containing TOXIC/ INFLAMMABLE material.

- Wherever possible when changing type sets, engravings, polymer engravings etc., some form of protective gloves should be worn. Avoid contacting the heated Type Holder with bare hand as this may cause burns.

- Keep off your hand from Printing Table when the other hand pulls the Handle.

- At no time should your Hot Printer 1000 remain accessible to children.

- Plug in machine to the proper wall outlet, properly fused according to its electrical ratings.

- Whenever necessary when changing the fuse or any electrical component, ensure the machine is turned off at the mains supply and plug is removed from power point.

- Ensure that the Hot Printer 1000 is turned off after termination of operation and the power supply switch is also turned off.

3) HOW TO USE

- Lift up Foil Guide
  Bar (1) and push
  forward

- Release Type Holder
  (2) by pushing
  the Clips (3)
  forward

- Secure Type-Holder
  with the Type Holder
  Supporter (4)
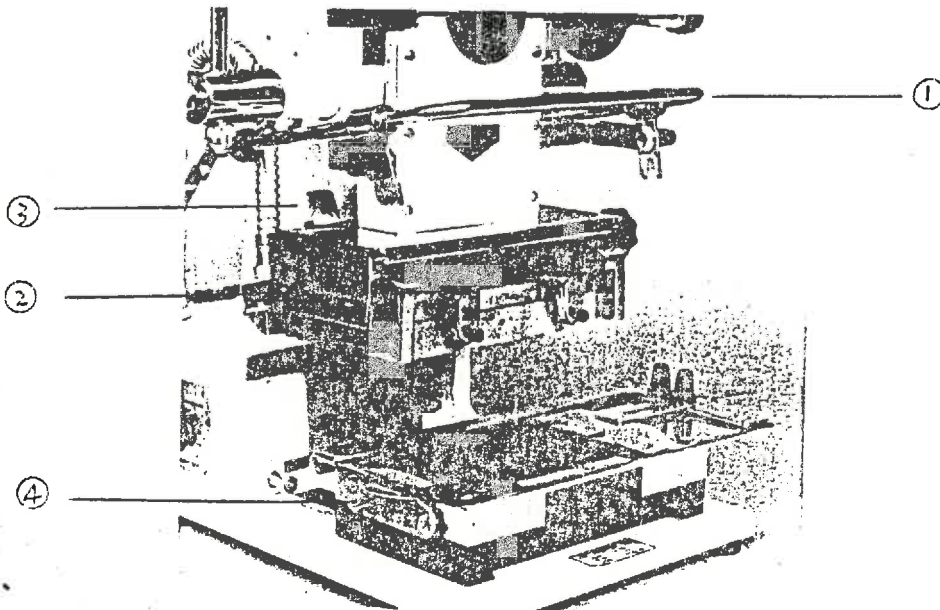
(A) Type Setting

- Feed in Lead
  Rules (1)

- Center Lead
  Rules by
  turning the
  Knob (2)

- Fill in Types
  (3) with the
  Nicks facing
  upwards

- Fill Spacers
  (4) between
  words/letters
  and at the ends
  of each line

- Separate lines
  by Lead Rules in
  case of need

- Fill the rest of
  the space with Lead
  Rules

- Use Allen Key (5)
  to hold shorter lines
  (6) and to tighten
  vertically (7)

- Return Type Holder to
  its original position
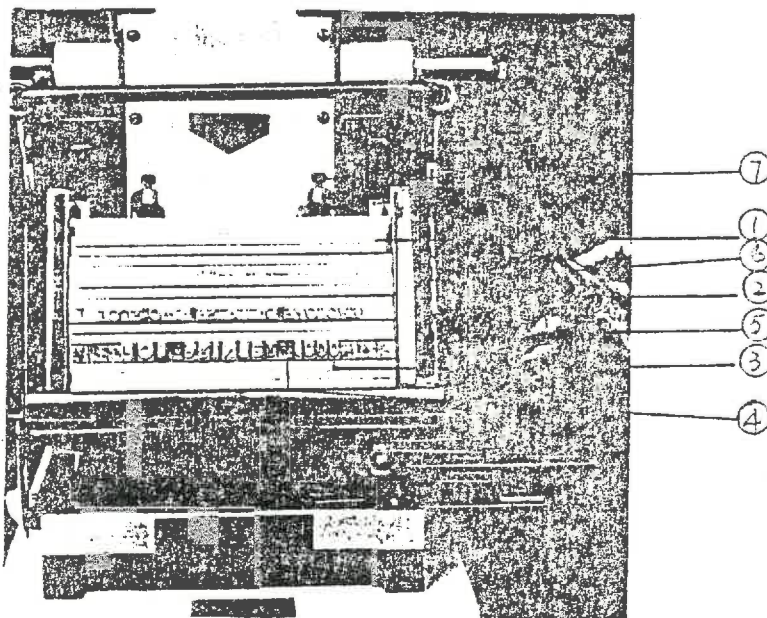
CAUTIONS

. Ensure the feet of
all the Types are
in good contact
with Type Holder

. Adding Spacers to one
line may loosen another,
so be careful; and
remember to keep thin
Spacers away from end
slugs

Note: If still have any
difficulty, please
refer to = Type
Setting - Instruction
for Beginner =

(B) Foil Feeding
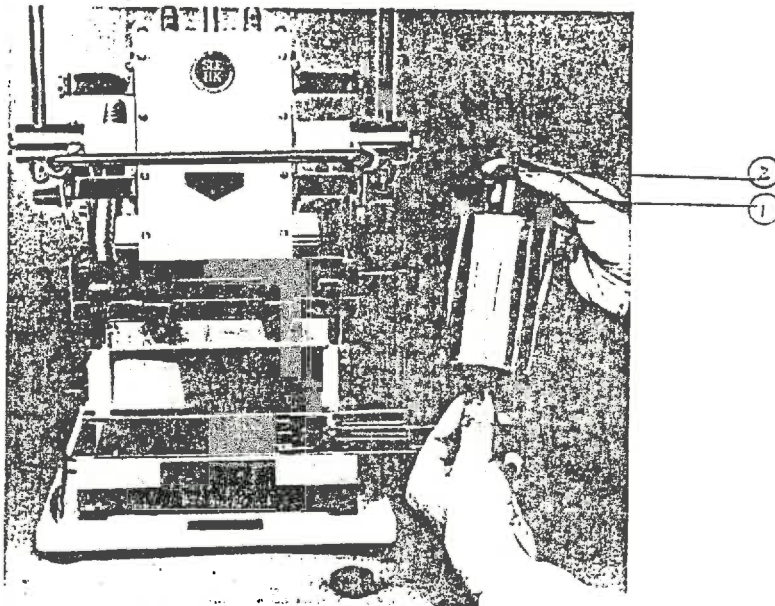
. Take out Foil Holder
(1) by releasing
Nuts (2) at both
ends

. Insert Foil

. Return Foil Holder to
its position

. Lower Foil Guide Bar
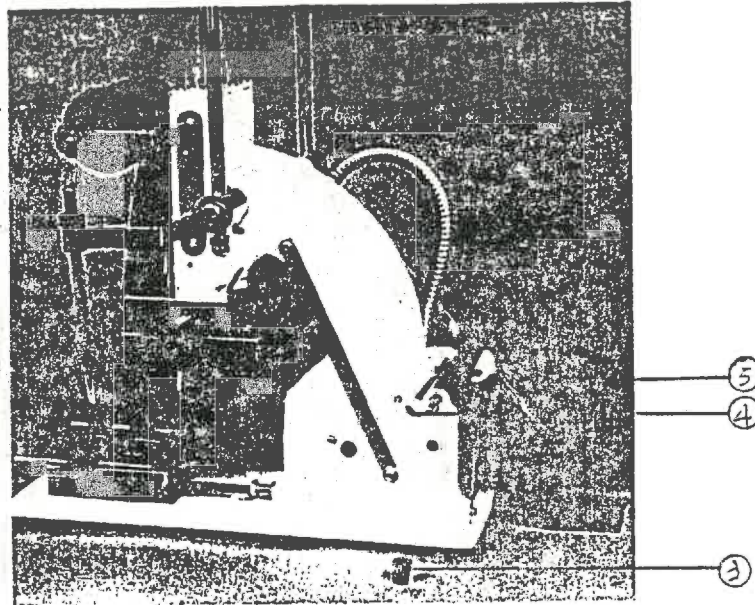
- Remove the Black
  Rubber Cap (3)

- Turn aside the Metallic
  Clip (4) to release
  Metallic Roller (5)

- Slip foil under Foil
  Guide Bar and between
  rollers with the aid
  of a ruler

- Return the Metallic
  Clip to hold foil firmly

CAUTIONS

- Ensure the emulsive
  side of foil is facing
  outward .

- Ensure that foil is
  positioned to cover
  the width of Engraving
  and/or Types

- Consult your suppliers
  for the foil most
  suitable for the article
  to be printed

(a) Foil Guide Bar

Serves three purposes:

. To keep foil away
from Type Holder so
that while not in
actual use the foil
is not affected by
heat emitted from
Type Holder

. To maintain a constant
tension of foil

. As a safty device to
prevent the hands from
contacting the heated
part

(b) Foil Adjustment Arm
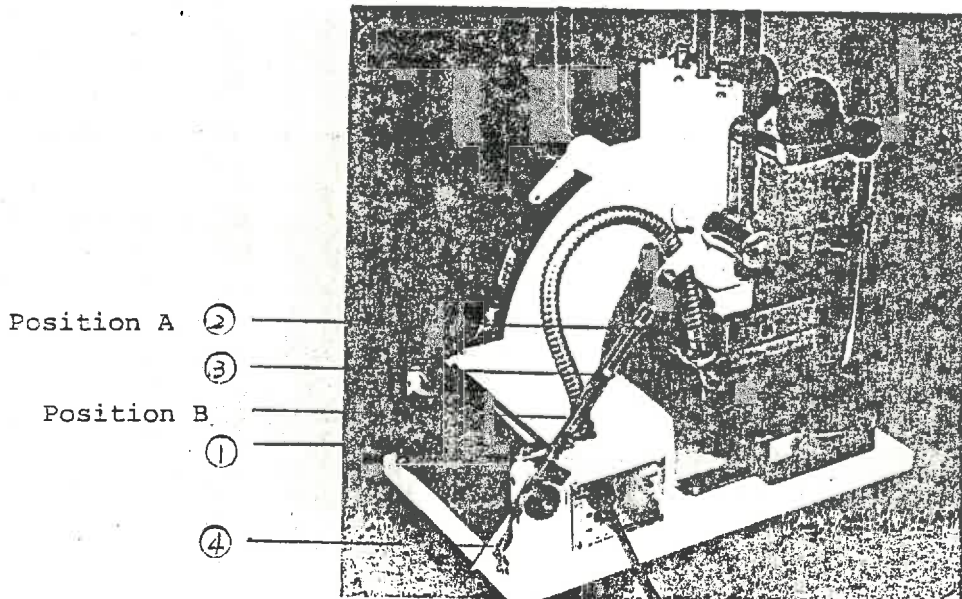
Position A ②
            ③
Position B
            ①

            ④

. Controls the amount of
foil used, the shorter
the Foil Adjustment Arm
(1) the smaller amount
of foil is fed

. Loose the Allen Screws
(2) & (3) then adjust
the length of Foil Adjust-
ment Arm

Note: Shift the Allen Screw
(2) from Position A
to B (or vice versa),
if necessary

CAUTION

. Taking care not to damage
the Spring (4)

(C) <u>Temperature</u>
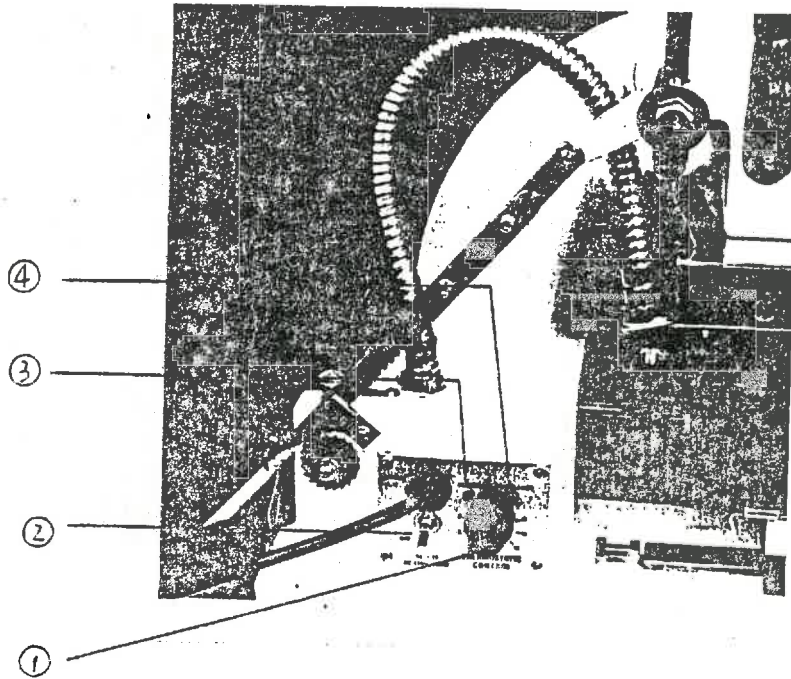
- Temperature is
  controlled by
  <u>Thermostat</u>

- Turn <u>Control Switch</u>
  (1) to the appro-
  priate scale accord-
  ing to the following
  table

Scale	1	2	3	4	5	6	7	8	9	10
Temp. (°C) (Approx.)	110	120	130	140	150	160	170	180	190	200
Temp. apply on various material for reference only	leather/ P.V.C.		Paper/ cards			acrylic/ plastic		wood		

- Turn on the Switch
  (2). (The red (3)
  and green (4) <u>LEDs</u>
  are then on)

. When the green LED
is off, temperature
is at the required
constant. (as a
temperature regula-
tion indicator, the
green LED will be
on and off during
operation)

. Blocking Temperatures

The temperature range
is approximately 110ºC
- 160ºC for most
materials. It is not
possible to recommend
a given temperature
for any particular
surface to be blocked
because of the various
production conditions
that are encountered.
The affecting factors
would be as follows:

- Foil
- Surface to be
blocked - coarse/
smooth
- Pressure
- Printing Area
- Dwell(time in
contact)
- Type of die to
be used
- Ambient condition

Note: The optimum
temperature for
a certain
material can
be found though
test prints at
different tempe-
rature. Too much
heat is not re-
commended except
for hard plastics

(D) Test Print

    • Stick a piece
     of paper on
     Printing Table
     (1)

    • Pull Handle
     (2) to print
     on the paper

    • Check for errors
     in spelling,
     punctuation
     etc.

    • Release the
   Fixing Knob
     (3) and shift
     Guide Rule (4)
     to fix the
     position for
     the articles
     to be printed
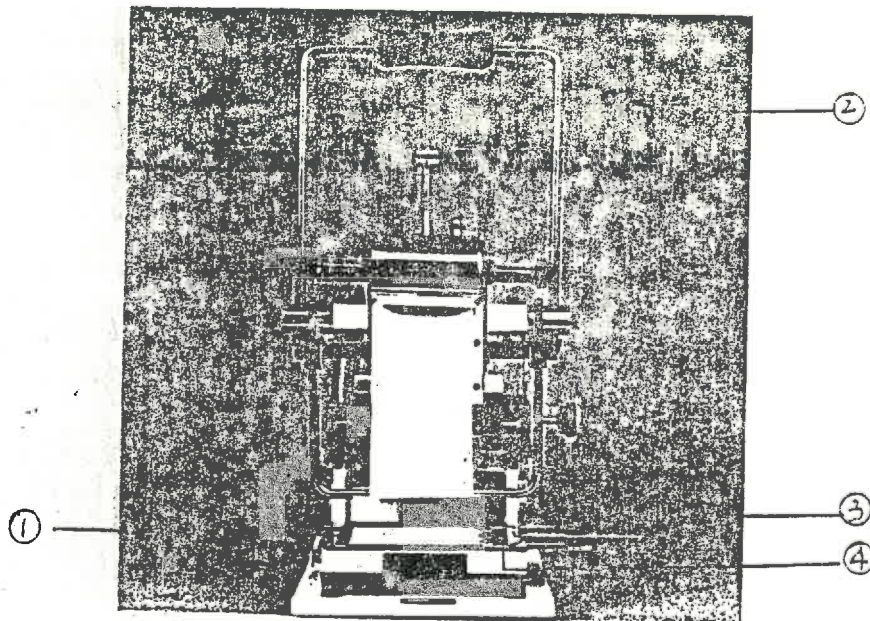
(a) Causes of Imperfect
    Printed Results &
    Corrections

Causes	Corrections
. Different height of Types	. Stick a piece of paper of adhesive tape to the feet of short Types
	. Stick a piece of adhesive tape (5) over the unclear part of the test print (6)
. Printing Table Pad uneven and/ or damaged	. Replace Printing Table Pad
. Printing Table unlevelled	. Adjust the four (4) screws under- neath Printing Table (Please refer to = Printing Table =)

Note: Inadequate temperature,
        pressure, foil or greasy
        dirt over the contacting
        surfaces also accounts
        for imperfect printed
        results
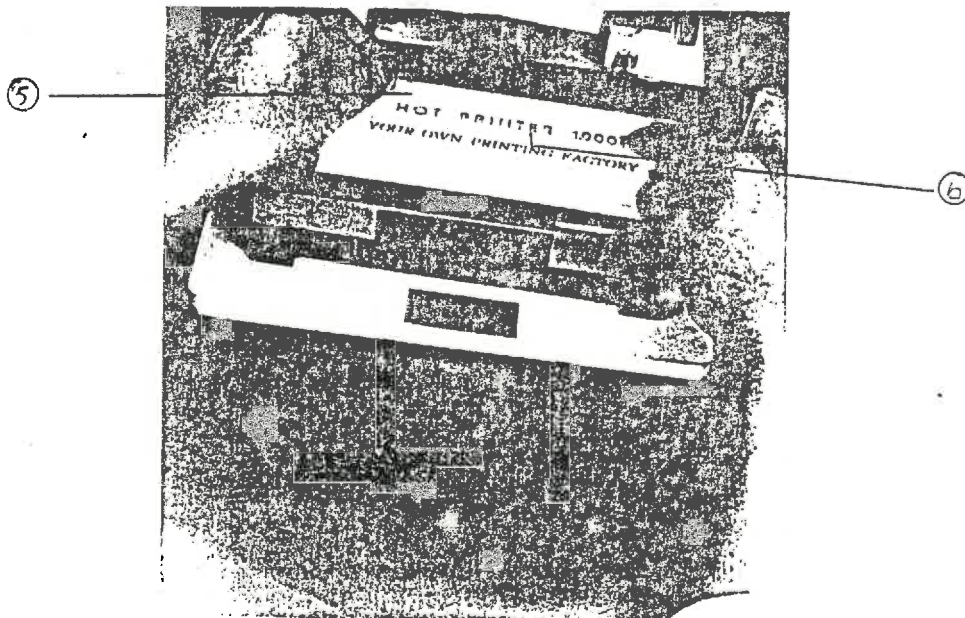
(E) Stamping Pressure
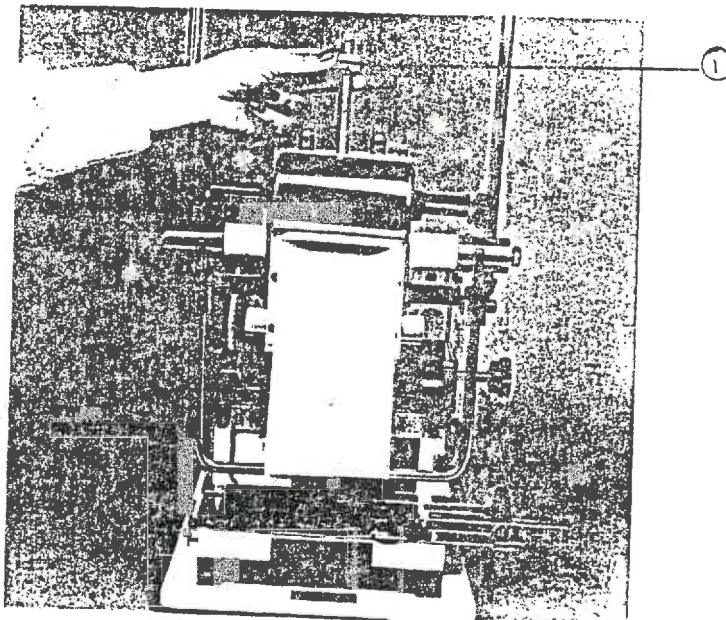
. Turn & lower the
  <u>Pressure Control</u>
  Nuts (1) to
  give 'stable pressure
  when fragile arti-
  cles are to be
  printed

Note: Apply higher
       pressure for
       coarse surface

. After the previous
  steps are finished,
  you can commence the
  printing job. Bear
  in mind that perfect
  results are achieved
  from the experience
  obtained through test
  prints

4) HOW TO PRINT WITH ENGRAVING
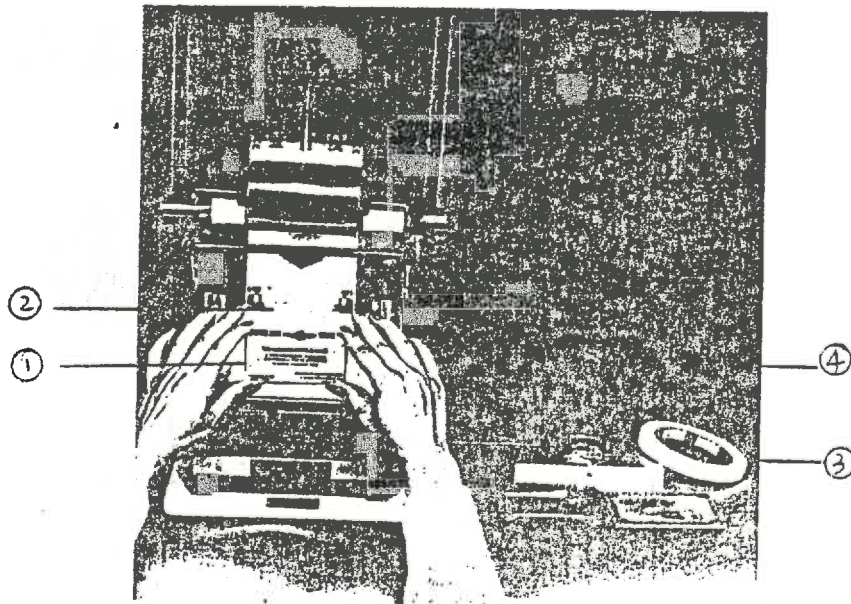
. Stick Engraving (1)
  onto Heat Transmission
  Block (2) by use of
  Double Side Tape (3)

. Please refer to = How
  To Use = for other
  procedures

CAUTIONS

. Stick adhesive tape
  evenly

. Tighten the Heat
  Transmission Block
  by turning the Knob
  (4) at Type Holder

Note:

. Engraving can be
  removed with cleaning
  spirit or peeled off
  with a knife

. Be careful, DO NOT
  bend the engraving
  or cause damage to
  its surface

5) GUIDE RULE FOR ENGRAVING

- Recommended to be
  used in printing
  business cards,
  envelopes, invitation
  cards, especially
  when engraving is
  used

- Choose the desired
  position

- Fix Guide Rule (1)
  with the Knob (2)
  and Nuts
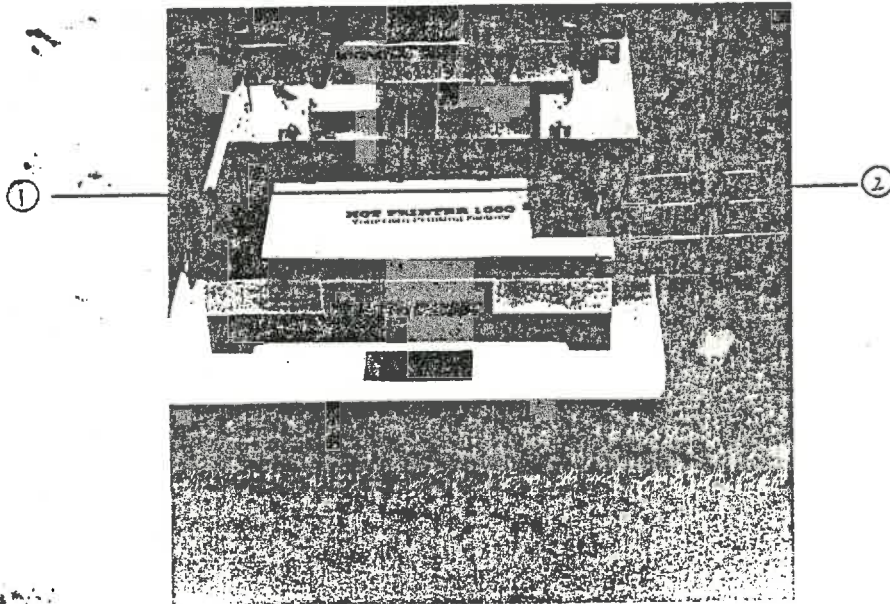
6) PRINTING TABLE

. Printing Table (1)
  is designed to slide
  along the rails (2)
  and to fix at any
  position. Release
  the Hexagon Screws
  (3) as shown in
  the diagram and
  Printing Table can
  be fixed
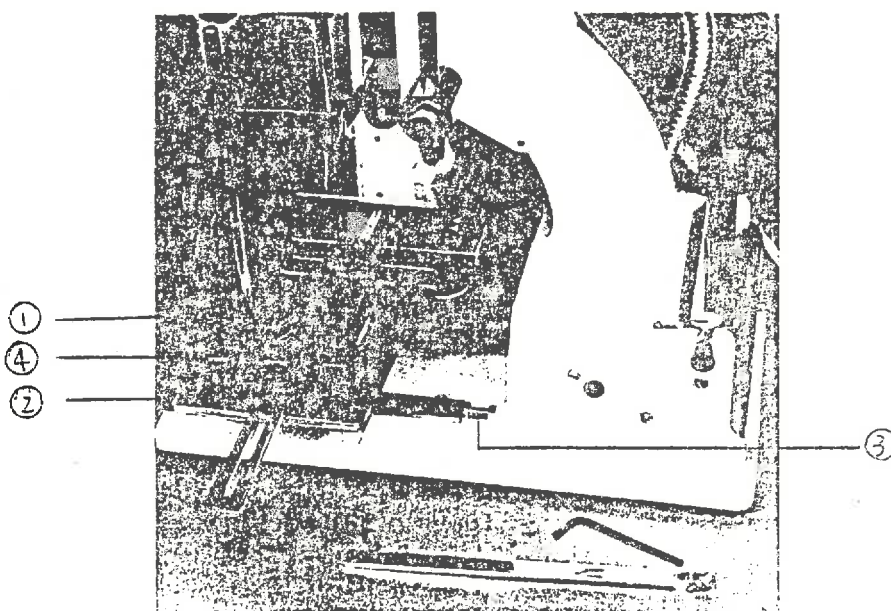
(A) Levelling of Printing Table

. Remove the Pin (4)
  and slide our
  Printing Table

. Turn Printing Table
  upside down

- Loose the Large Allen
  Screws (5), and
  adjust the Smaller
  Allen Screws (6) to
  achieve required level

- Tighten the Large Allen
  Screws

- Return Printing Table
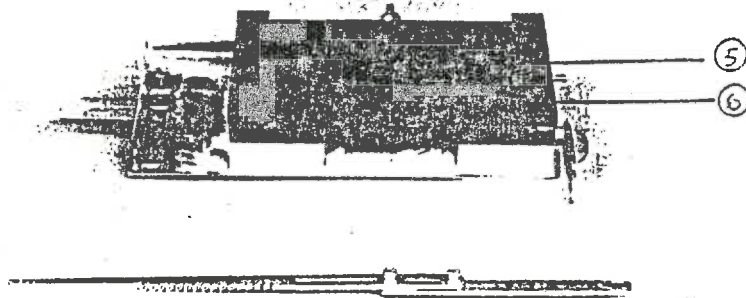
7) HOW TO PRINT ARTICLES
    HIGHER THAN 2 CM

- Remove Printing Table,
  and the printing jobs can
  be done on the article
  placed below Type Holder
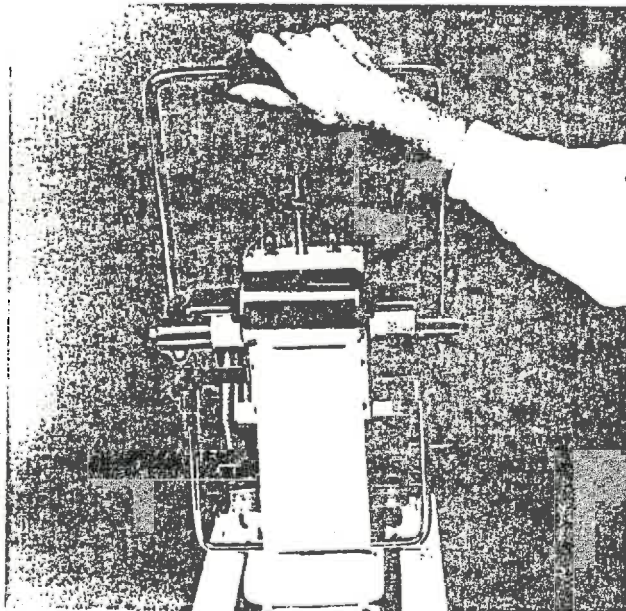
8) HOW TO CHANGE EXTENDED
   PRINTING TABLE

   - Use Extended Printing
     Table to hold articles
     upto A4 size

   - Remove the Screws and
     replace Chrome Frame
     by Extended Printing
     Table
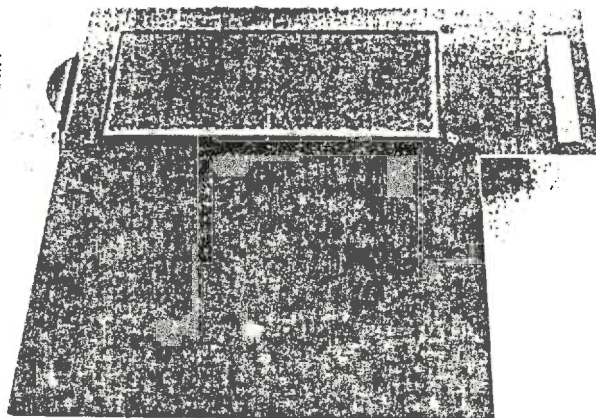
9) HOW TO PRINT ON PEN &
   PENCIL
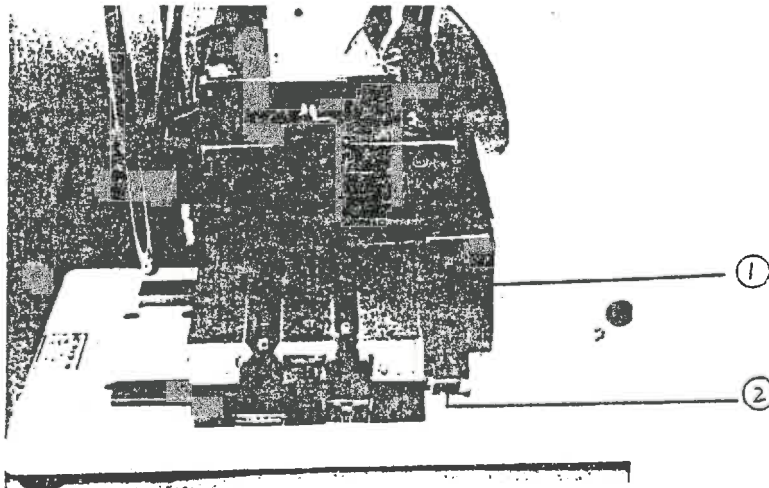
. Slide out Printing Table

. Replace the upper part
  of Printing Table by
  Pen & Pencil Holder (1)

. Adjust the Hexagon Screws
  (2) (adjacent to the
  end of the rails) for a
  precise printing position

Note:

. It is advisable that
  Pen & Pencil Holder
  be stayed in a fixed
  position

. Please refer to
  = Printing Table =
  to slide out the
  Printing Table

10) <u>HOW TO PRINT ON BOOK</u>
    <u>MATCHES</u>
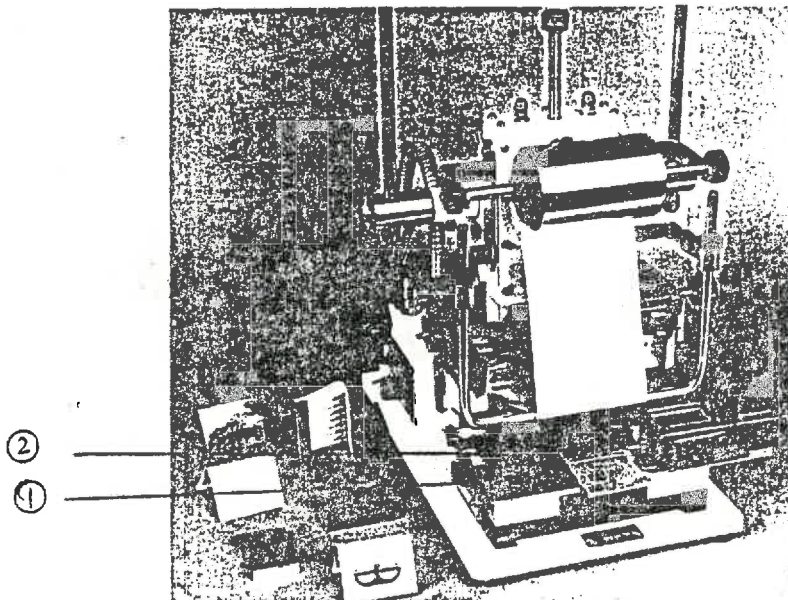
. Insert the matches
   underneath the table

. Prostrate the flap
   of <u>Book Matches</u> (1)
   on <u>Printing Table</u>
   (2)

<u>CAUTIONS</u>

. Keep the matches
   away from the heated
   part

11) THE USE OF REMOVABLE TYPE HOLDER

- To accommodate and preserve set up of Types

- Follow the procedure of = Type Setting = to set Types
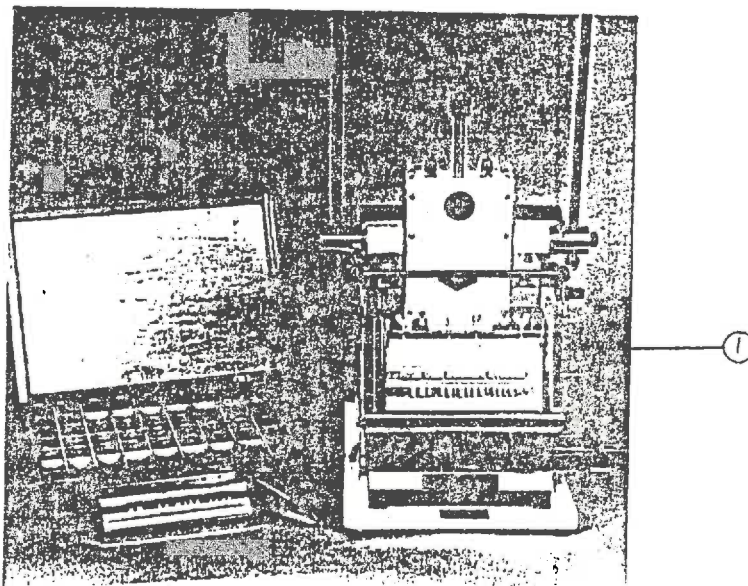
CAUTIONS

- Tighten the Types before fitting the Holder to the machine

- Hold the lines with Side Screws (1) of Type Holder on the machine

12) HOW TO PRINT
    (i) ON EMBOSSED PORTIONS
    (ii) WITH MULTI-COLOURED
    HEAT TRANSFER LABELS
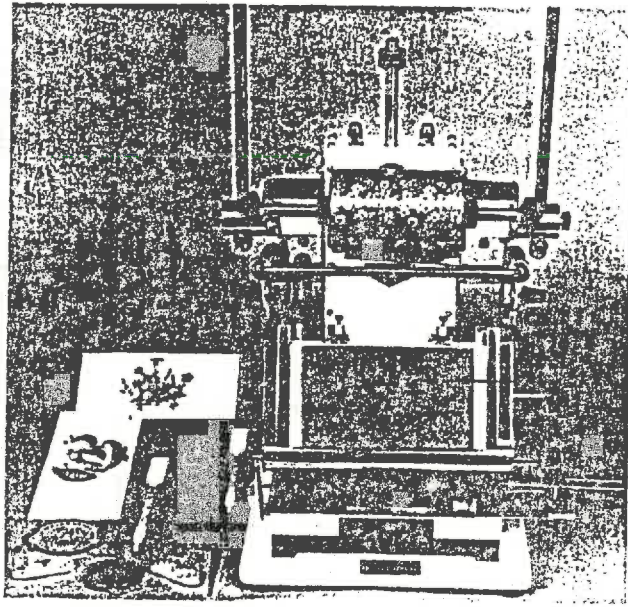
- Stick Silicone Rubber
  (1) onto Heat Trans-
  mission Block by using
  double side tape

- Please refer to = How
  To Use = for other
  procedures

13) HOW TO EMBOSS ON LEATHER/
    PVC ETC.

- Embossing can be obtained
  on leather, and PVC by
  direct stamping (without
  foil) at higher temperature
  and pressure

14) LUBRICATION

- Prior to usage ensure
  that machine is properly
  lubricated (use normal
  machine oil) see diagram
  for location of oil inlet

Oil points
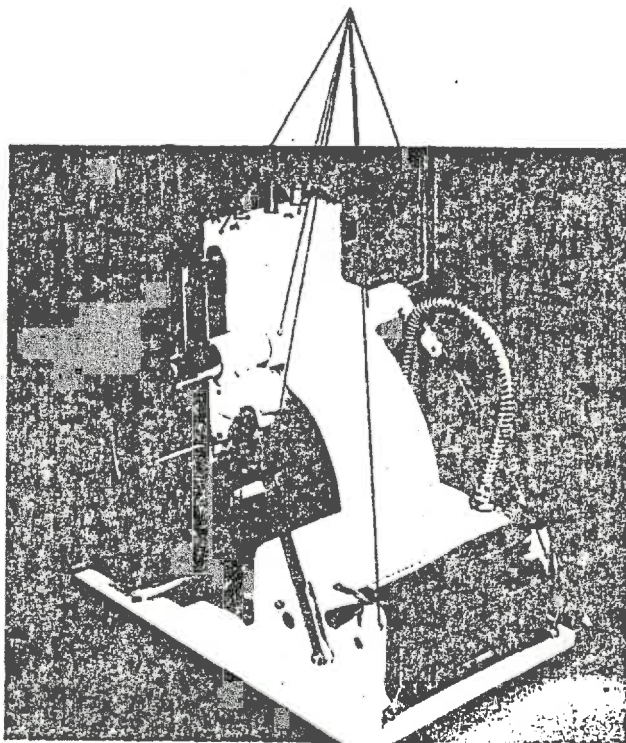
15) CLEANING

- Using spirit/cleaning
  agents to clean Foil
  Rollers, Heat Trans-
  mission Block, Type face,
  Engraving and Type Holder

16) <u>SPECIFICATIONS</u>

- Power Supply:
  AC 110V/120V or
      220V/240V
- Power Consumption:
  400W
- Cycle: 50 - 60 HZ
- Overall Dimensions
  (Approximately):
  260mm (W) x
  350mm (D) x
  390mm (H)
- Weight: Approx.
  22 kgs.
- Printing Area:
  Maximum 150mm x 80mm
- Size of Printing Table:
  235mm x 120mm
- Clearance between the
  Type and the Table:
  Approx. 55 mm
- Speed 1,000 Stampings/hour
- Colour: White

17) <u>FEATURES</u>

- Thermostatic control
- Solidly built
- Compact in size and
  portable
- Easy operation
- No messy inks, no
  odors, no drying time
- Print any colour in
  addition to gold and
  silver
- Automatic foil pulling
  system
- Multi purposes Printing
  Table
- Special designed Holder
  for Types and engravings

DIAGRAM OF A PIECE OF STANDARD PRINTNG TYPE

Beard — Serif

Face Counter

Height to Paper .918 in.

Body

Serif

Shoulder

Type Size

Set Width

Feet Groove →

Nick

Photo 19
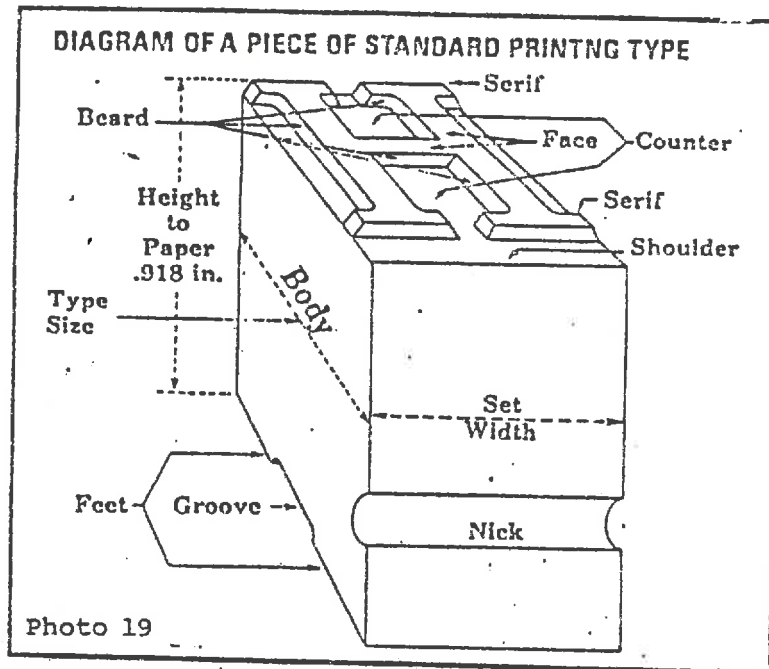
These instructions are
intended to aid anyone
who is just a beginner
when it comes to set
Types. There is no
special way that is
the best. We recommend
a very good way for
those who have had
little or no experience.
As one gains experience in
setting Types, different
ways of shortening the
process will become apparent

Check the Copy

Before any type setting
is begun, the required
lines of lettering or
copy should be carefully
checked for errors in
spelling, omission, punc-
tuation etc. Any doubtful
wording should be verified.
Making corrections at this
stage will be easier than
after Types have been set

. **Type Holder**

  . In order to achieve
    a printed impression
    from Types, individual
    letters must be set by
    hand into the words
    that are required to be
    printed. The normal way
    of setting Types are to
    place each piece of
    Types into a Chase that
    holds the Types together.
    The Chase is also referred
    to as a Type Holder

    Type Holder on the
    Hot Printer 1000
    drops and clips in
    position to facilitate
    Type setting. Also
    the Jaws of Type
    Holder can be opened
    and closed to accommodate
    Removable Type Holder.

. Place 1,2 or more Lead Rules
  in the Type Holder depending
  on the size of the printing area
  you require to print

. The Types are set line by line
  in the same sequance as shown
  in the copy. This means you
  start with the first word in
  the first line and end with
  the last word of the last line

. If you examine a piece of Type,
  you will see a deep notch on one
  of the long sides. This is
  called the Nick. (Most Types
  have only one Nick, but some
  Types have two Nicks)

. When setting Types into the
  Type Holder, the Nick should
  face UP and be visible, thus
  making the letters appear
  upside down

- Although it is the Types itself that actually makes the printed impression, the spaces at the ends of each line and those between words and/or letters must be filled up with Spacers that do not actually show up as print

- The Spacers that fit between words come in different width that vary from a very thin space up to 1/6" or more

- 12 point Spacers should be used with 12 point Types,14 point Spacers with 14 point Types etc. When purchasing Types, purchase the Spacers to suit the Type sets you are using

- Lead Rules are strips of metal that are used to increase the space between lines. It will also prevent the next line from mixing with previcsuly set Types. These vary in thickness and are cut to various lengths

- After all the Types are set in position, use more Lead Rules to fill the remaining space of the Type Holder

- Turn the Knob which is located on the right hand side of Type Holder to center all the Lead Rules, and to lock the Types in position

- Inspect the Types for Tightness

  - Use Tweezers to check each line for tightness. If a line is loose, insert additional thin Spacers as required. Continue checking until all lines are tightly held

19) OPTIONAL ACCESSORIES

(A) Type Sets (For General Printing)

- Lettering that is used in letterpress printing or hot stamping/ foil blocking is call Types. Capital letter are called Caps and small letters are called Lower Case

- A set of Types contains more than just the alphabet. Punctuation marks; figures or numerals, miscellaneous signs etc. are also included. All these combine to a Fount of Type

FOUNT OF TYPE (Number of type or letters in a set)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	&
10A 10a	10	4	7	6	15	5	5	6	15	4	4	7	6	10	15	6	3	10	10	10	8	4	4	3	4	3	3
5A 5a	5	2	4	3	8	3	3	3	6	2	2	4	3	5	6	3	2	5	5	5	4	2	2	2	2	2	1
3A 3a	3	2	2	2	5	2	2	2	3	2	2	2	2	3	3	2	1	3	3	3	2	2	2	1	2	1	i

	1	2	3	4	5	6	7	8	9	0	.	,	'	;	:	-	(	)
10A 10a	10	8	8	8	8	8	8	8	8	15	5	5	2	2	2	4	2	2
5A 5a	4	3	3	3	3	3	3	3	3	5	2	2	1	1	1	2	1	1
3A 3a	3	2	2	2	2	2	2	2	2	3	1	1	1	1	1	1	1	1

Remarks: (A) = Capital letter
(a) = Lower case letter
Additional Types in French, Scandinavian, Arabic, Greek, Spanish, Italian, Germen, Japanese etc. are also available

SPECIMEN TYPE

REF. NO.			REF. NO.		
999	ABCDEFGM abcdef 8	(9 points)	810	ABCDEFM 123 abcdeghim45678	(3 points)
1299	ABCDEFGM abcdef 8	(12 points)	1210	ABCDEF bcdefg 345	(12 points)
1499	ABCDEGHM abcdef 35	(14 points)	1810	ABEFM abc 678	(18 points)
1899	ABCDE abcde 35	(18 points)	2410	ABEFM abc 56	(24 points)
2499	ABCHM abc 35	(24 points)			

- Spacers - blank Types
  used to create
  space between
  words

- Lead Rules - metal strips
  that are used
  to creat the
  space between
  lines of type

- Removable Type Holder -
  to accommodate
  and preserve
  set-up of Types

- Wooden Type Tray with cover -
  recommended with
  each Type set to
  keep your Types
  assorted

- Tweezer - for handling
  individual letter

- Engravings - Stick onto
  provided Heat
  Transmission
  Block to print
  logo

- Guide Rule for Engraving

- Entended Printing Table -
  to hold articles
  upto A4 size

- Pen & Pencil Holder -
  for holding pen and
  /or pencil to be
  stamped

- Printing Table Pad -
  as a cuison for
  articles to be
  printed