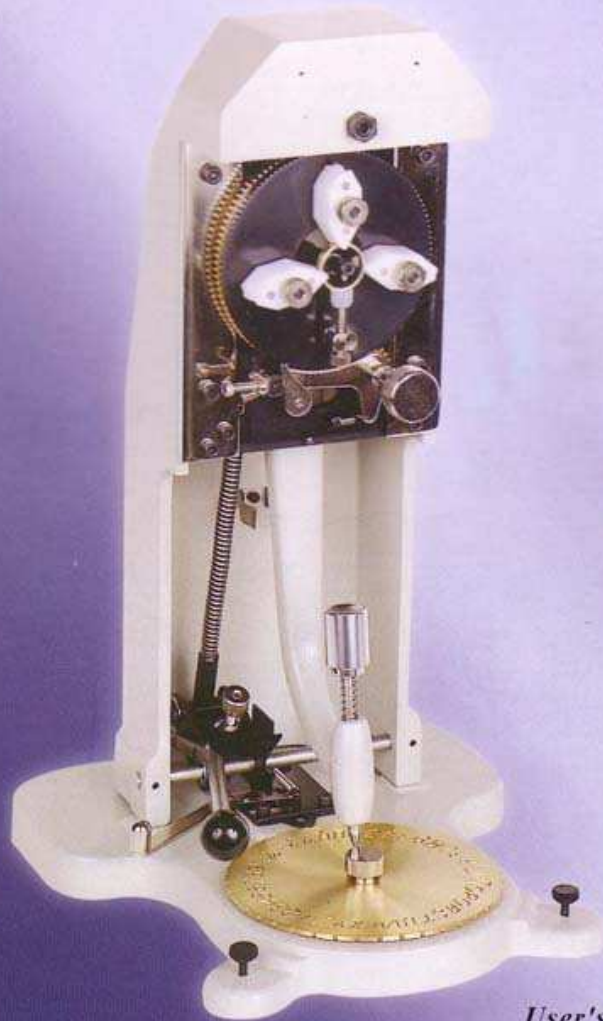


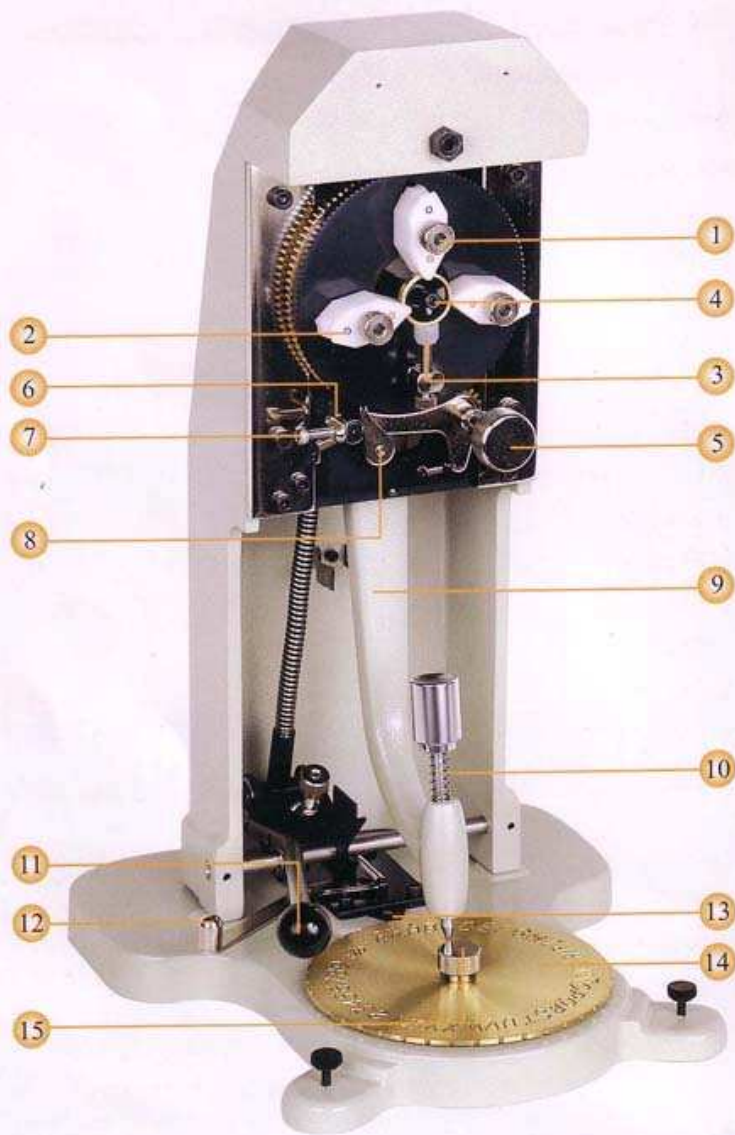
I N S I D E RING ENGRAVING MACHINE



*User's Manual
4th Edition
April 2000*

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PARTLIST

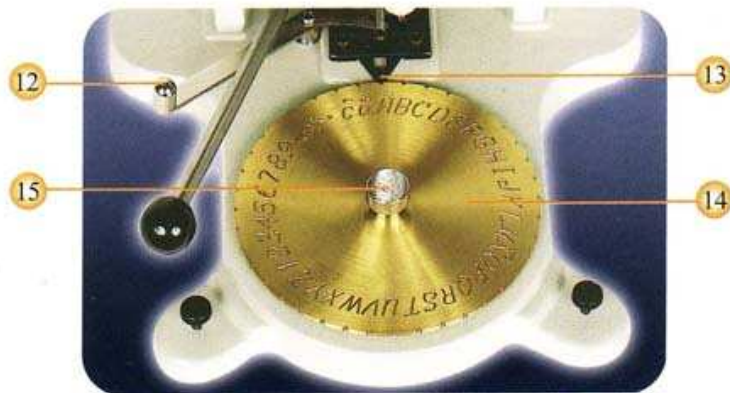
Part No.	Description
IREM 1	Locknut
IREM 2	Self-centering Jaw
IREM 3	Jack
IREM 4	Engraving Diamond
IREM 5	Chucking Knob
IREM 6	Wingnut
IREM 7	Adjusting Screw
IREM 8	Pitch Setter
IREM 9	Stylus Arm
IREM 10	Tracing Stylus Shaft
IREM 11	Lever
IREM 12	Engaging Lever
IREM 13	Stopper
IREM 14	Engraving Dial
IREM 15	Tightening Knob

INSTALLATION

To prepare this machine for use, remove all packaging materials and untie the wire that secured the Stylus Arm (9) to its catch. The machine is now ready to use!

CHANGING ENGRAVING DIAL

Pull and hold the Engaging Lever (12) to disengage the Stopper (13) from the V-groove of the Engraving Dial (14). Loosen the Tightening Knob (15) and change to the reverse side of the Engraving Dial (14). Remember to re-tighten the Tightening Knob (15). After changing the Engraving Dial (14), release the Engaging Lever (12) to allow the Stopper (13) to engage at the V-groove of the Engraving Dial (14).



- 12 Engaging Lever
- 13 Stopper
- 14 Engraving Dial
- 15 Tightening Knob

RING HOLDING

The self-centering chuck is the only work-holding device, which consists of a narrow and a wider groove at each Self-centering Jaw (2), to hold narrow and wide rings respectively. For your desired ring-holding setup, loosen all three Locknuts (1) and reverse the three Self-centering Jaw (2) according to Diagram 1. Secure the ring FIRMLY in the grooves of the three Self-centering Jaw (2) by turning the Chucking Knob (5) clockwise. Use Jack (3) to hold the stone of the ring, if any.

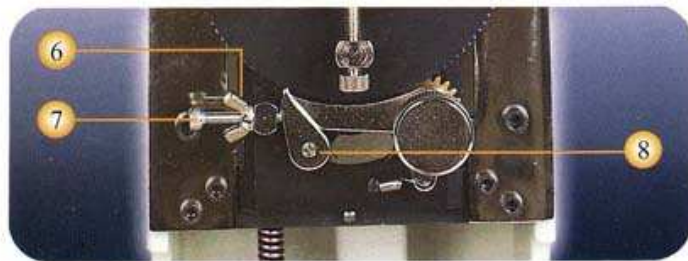


- 1 Locknut
- 2 Self-centering Jaw
- 3 Jack
- 4 Engraving Diamond
- 5 Chucking Knob

Note : Rings of width 2mm and less are not recommended for engraving.

LETTER-SPACING ADJUSTMENT

Letter-spacing adjustment can be done in this machine by loosening the Wingnut (6) and turn the Adjusting Screw (7) for your desired letter-spacing. This adjustment can be set from 3 to 6 teeth movement. Remember to tighten the Wingnut (6) again so as to lock the Adjusting Screw (7) together. For standard engraving, this machine is set to a minimum of 3 teeth movement.



6 Wingnut

7 Adjusting Screw

8 Pitch Setter

INDEXING

Lift up the Lever (11) to the maximum with some spring resistance being felt and hold it, in order to disengage the Stopper (13) from the V-groove of the Engraving Dial (14). Push back the Stylus Arm (9) into its catch and manually rotate the Engraving Dial (14). Then slowly release the Lever (11) to activate pitching and at the same time allows the Stopper (13) to engage at any of your desired template letter.



11 Lever

13 Stopper

14 Engraving Dial

15 Tightening Knob

ENGRAVING

In this machine, the tracing Stylus Shaft (10) is used to trace the template letters and the Engraving Diamond (4) is to engrave letters onto the ring surface. Pull the Stylus Arm (9) out of its catch and depress the tracing Stylus Shaft (10) with your right hand against any desired template letter, while your left hand pushing down the Lever (11) to allow the Engraving Diamond (4) to rest against the ring surface. Proceed to engrave letter by letter with both the tracing Stylus Shaft (10) and the Lever (11) depressed.

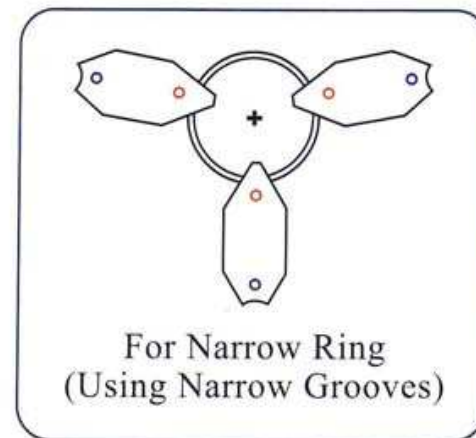
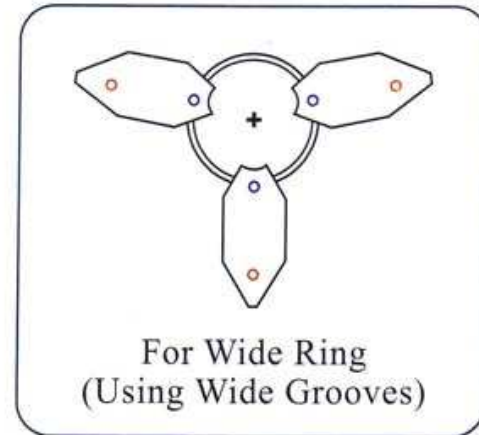


9 Stylus Arm 10 Tracing Stylus Shaft 11 Lever

Caution : Light sensitive pressure is only required to trace with the stylus, and a little more pressure is required at the lever.

DIAGRAM 1

Work-Holding Setting



MACHINE SPECIFICATIONS

Description	Inside Ring Engraving Machine
Net Weight	6.4 Kg
Gross Weight	7.5 Kg
Packaging Dimension	490(H) x 330(L) x 290(W) mm
Ring-holding Capacity	Ring size from approximately Ø19 to Ø30 mm
Template	Engraving Dial (2-sided) - Side 1 produces 1 mm letters; - Side 2 produces 2 mm letters.
Letter-spacing (Pitch)	3 to 6 teeth movement (2 to 3 mm)

STANDARD ACCESSORIES

This ring engraving machine comes in a standard packing with the following accessories:

- a) Dust cover 1 piece
- b) Engraving dial (2-sided) 1 piece
- c) Sample Ring 5 pieces

Note : Due to continuous product improvement, the company reserves the right to revise any related documents and/or modify the product without any obligation to notify the users.