

Quality Policy Statement

Lexus SoftMac™ is ISO 9001:2000 Company

*We, at “Lexus SoftMac”,
make our Quality so special, So Valuable to our Customers,
so Important to their Success,
that our Products become their only Real Value Choice.*

CEO

Date: 01.02.05

CONTENTS

Welcome	2
Specification, Standard Accessories and Extra Accessories	3
Highlight	4
Introduction	5
Operating Controls	6
Operating Instruction	7

Information in this document, including URL and other Internet Web Site reference is subject to change without notice. Unless otherwise noted, the example companies, organization, products, domain names, e-mail addresses, logos, people, places, and events depicted herein are fictitious and no association with any real company, organization, products, domain name, e-mail address, logo, person, place or event is intended or should be inferred. Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Lexus SoftMac.

Lexus may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from Lexus, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

Lexus SoftMac (100% EOU). All rights reserved. Lexus products are licensed to the users by Lexus.

Lexus and its Logo are either registered trademarks or trademarks of Lexus SoftMac, INDIA. And/or other countries.

The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

WELCOME

Get ready for a whole new experience.

Lexus Angle Setting Station has a completely fresh, new look and it's easier than ever to use.

This booklet explains how to get your Lexus Angle Setting Station set up and where to turn for help, so you can enjoy the most intuitive Table Setting System yet for Real gem quality Diamonds.

Let's get started!

SPECIFICATIONS

- + Weight : 8.200 kg. (Excluding Computer)
- + Dimension : 125 x 195 x 355 mm (Excluding Computer)
- + Supply : 220 VAC , 50 HZ , 1 Phase
- + Load : 500 VA

STANDARD ACCESSORIES

- + Calibration Die

EXTRA ACCESSORIES

- + Computer System

HIGHLIGHTS

- ⊕ Unit for setting Table Pots (marked Diamonds)
- ⊕ Swiveling pots can be set to align marking on the diamond.
- ⊕ Simple Robust Construction
- ⊕ Thumb wheel to calculate distance of material removal in microns.
- ⊕ Easy maneuvering and operation
- ⊕ Also useful for setting rough stones for windowing / rough blocking.
- ⊕ Optionally available with computerized unit, to guide the setter in setting the stone at a particular angle with reference to current table. It is useful in executing table-tilting process.
- ⊕ The Micron descend can be fed to the Lexus auto blocking machine, resulting in perfect tabling.

INTRODUCTION

Once the user is satisfied with the plan suggested by the Planning machine. The next challenge is to execute the plan successfully. The very first process is to cut the table in line with the laser marking done by the Planning m/c. For this purpose “LEXUS” provides “ANGLE SETTING STATION”

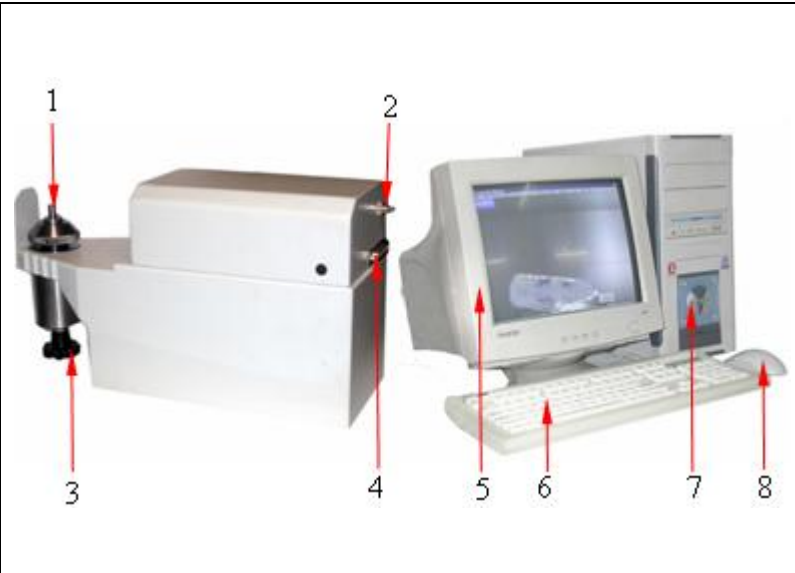
After the rough diamond is planned & marked on planning m/c., it will be glued, using refractory cement on a swivel pot of the table dop. This pot after heat curing will go on table setting station. On this m/c, the diamond with the marking is viewed thru CCD on a monitor. This swivel pot will be loosened & oriented to make the laser marking horizontal. After this adjustment the pot will be locked. The amount of material to be removed will be measured on this “ANGLE SETTING STATION”.

Also after the first Bruting if it is necessary to tilt the table with respect to current table (after analysis on Planning m/c), it can be done “ANGLE SETTING STATION WITH PLANNING SOFTWARE & COMPUTER”. This m/c can execute this process without dependency on highly skilled labour. Any newly trained artisan will be able to perform this function as all the controls are set by the m/c.

This diamond with measured value of material removal & locked orientation can go on Automatic “BLOCKING M/C” or the specially designed “SEMI DOP”.

OPERATING CONTROLS

Angle Setting Station With Computer



1. Vas Cover
2. Video Pin
3. Thumb Wheel
4. 25 Pin Cable
5. Monitor
6. Keyboard
7. C.P.U
8. Mouse

OPERATING INSTRUCTION

A. Rough Stone

1. Select proper size of die-pot so that the diamond sinks within the pot hole.
2. Glue the rough stone using refractory cement keeping the laser marking roughly horizontal. Cure the glue in oven for around 10 to 12 minutes at a temperature of 180° C. This glue is with poor adhesive property, but with very good stiffness.
3. Fix the die-pot in the swivel-pot assembly.
4. Fix this swivel-pot assembly in the “ANGLE SETTING STATION” spindle using 3mm LN key.
5. View the diamond marking in monitor and compare the laser marking with a line generator or X-Line.
6. Loosen the swivel pot and orientate it to make the laser marking line horizontal with respect to X-Line.
7. After this adjustment locks the pot and measure the value of material removal using the wheel provided at bottom side of machine. Least count of scale on this wheel is 0.01mm.

B. After first Bruting (for table tilting)

1. Select proper size of die-pot so that the diamond sinks within the pot hole.
2. Glue the rough stone using refractory cement keeping the laser marking roughly horizontal. Cure the glue in oven for around 10 to 12 minutes at a temperature of 180° C. This glue is with poor adhesive property, but with very good stiffness.
3. Fix the die-pot in the swivel-pot assembly.
4. Fix this swivel-pot assembly in the “ANGLE SETTING STATION” spindle using 3mm LN key.
5. Note the direction marking on the diamond, with respect to which the table tilting operation has to be performed.
6. Tilt the X-Line / Diamond graph by the degree thru which the tilting has to be done.
7. Align current table to this tilted X-line / Diamond graph & lock the pot.
8. Turn the X-Line/ graph horizontal again.
9. Find out the material removal distance “M” by dragging the mouse.
 - a) Press M.
 - b) Click and hold left mouse button at the table top.
 - c) Drag the mouse cursor vertically to new table line.
 - d) Release the left mouse button.
 - e) On the lower most right corner of the data entry window this value of “M” will be displayed in “mms”.

UPDATE NOTE ON PLAN.EXE DTD 24/03/05

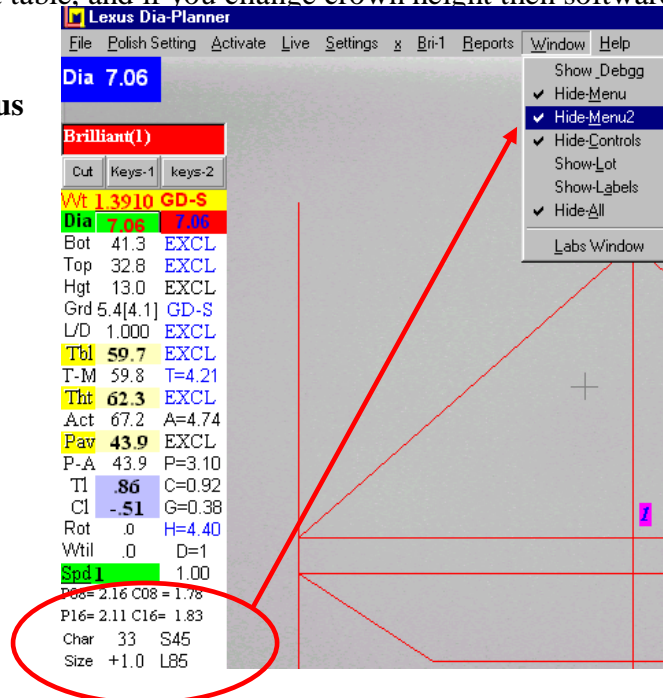
1. Top, Bottom and Table size Suggestion as per AGS Chart, for this,

Double click on Bot or Top then software suggests Top or Bot size for that table Size for Good fire as per AGS Chart.

2. You can Lock the table while feeding the parameter, for this

Press “Shift+l” and “n” and enter your required table size, now table is Lock (In only planning purpose, in measurement process this options is deactivate, also can be deactivated by “l” button). Now if you change top then software set Crown height for that table, and if you change crown height then software set Top angle for that table

3. Show/ hide option for second menus



4. You can also set these menus as Hide Or See as default, for this,

Go→Ms-Dos→C:\Planner→Write there “Edit DEB” and Press Enter. You can see file like,

File Edit Search View Options Help

+----- C:\planner\DEB -----+

!0,1,1,1,0, 1 |

Here, 0 means Hide and 1 means See for default First Option is for Debug, Second Option is for Menu, Third option is for Controls, Fourth Option is for Lot Weight entry, fifth option is for Lables,and Sixth option is for Menu2