

LADARASA

**LAGUN  
MC-600**

**INSTALLATION, MAINTENANCE  
AND OPERATION**

**JANUARY, 95.**

## INDEX

<b>0. E.C. AFFIRMATION OF APPROVAL.....</b>	<b>0-1</b>
<b>1. INTRODUCTION.....</b>	<b>1-1</b>
<b>2. SAFETY PRECAUTIONS.....</b>	<b>2-1</b>
<b>3. CHECK LIST.....</b>	<b>3-1</b>
<b>4. TECHNICAL INFORMATION .....</b>	<b>4-1</b>
4.1 TECHNICAL FEATURES.....	4-2
4.2 GENERAL VIEW OF THE MACHINE - FIGURE A .....	4-4
4.3 MAIN SPINDLE SAFETY SYSTEM IN ACCORDANCE WITH EC NORMS .....	4-5
4.4 SAFETY SYSTEM IN ACCORDANCE WITH "EC" NORMS - FIGURE A1 .....	4-6
4.5 NOISE OUTPUT LEVEL DETAILS .....	4-7
4.6 POWER-SPEED GRAPH (FIGURE B).....	4-8
4.7 MAIN COMPONENTS .....	4-9
4.7.1 MACHINE LUBRICATION.....	4-9
4.7.2 PNEUMATIC CHART (FIG. D) .....	4-14
4.7.3 TAPER DRAWBAR SYSTEM.....	4-15
4.7.4 COOLANT ELECTRIC PUMP (FIG. I) .....	4-16
<b>5. INSTALLATION.....</b>	<b>5-1</b>
5.1 SITING.....	5-1
5.2 TRANSPORT AND UNLOADING (FIGURE F).....	5-2
5.3 FOUNDATION AND LEVELLING (FIGURE G) .....	5-5
<b>6. PREPARATORY OPERATION INSTRUCTIONS.....</b>	<b>6-1</b>
6.1 CHECK LIST .....	6-1
6.2 CLEANING.....	6-2
6.3 ELECTRICAL CONNECTION .....	6-2
6.4 CONNECTION OF AIR SUPPLY .....	6-3
<b>7. OPERATION AND SETTING.....</b>	<b>7-1</b>
7.1 CONTROL DEVICES .....	7-1
7.1.1 MACHINE CONTROL PANEL WITH HEINDEHAIN 360 (FIGURE H).....	7-1
7.1.2 MACHINE CONTROL PANEL WITH HEINDEHAIN 407.415 (FIGURE H1) .....	7-6
7.1.3 MACHINE CONTROL PANEL WITH FAGOR 8050 (FIGURE H2).....	7-11
<b>8. MAINTENANCE.....</b>	<b>8-1</b>
8.1 SAFETY PRECAUTIONS.....	8-1
8.2 MAINTENANCE SCHEDULE.....	8-2
8.2.1 DAILY MAINTENANCE.....	8-2
8.2.2 WEEKLY MAINTENANCE.....	8-3
8.2.3 MONTHLY MAINTENANCE.....	8-3
8.2.4 HALF-YEARLY MAINTENANCE.....	8-3

<u>9. PARTS ORDERING INSTRUCTIONS</u>	<u>9-1</u>
<u>10. ASSEMBLIES, SUBASSEMBLIES AND LIST OF PARTS</u>	<u>10-1</u>
<u>11. ELECTRICAL WIRING DIAGRAM</u>	<u>11-1</u>
<u>12. PARAMETERS MACHINE</u>	<u>12-1</u>