

LEADWELL®
INSTRUCTION
MANUAL



V-30i

VER:IM-V061200
NO:P20ABEV30I

CONTENT

	PAGES
1. SAFETY PRECAUTIONS	
1-1 SAFETY RULES.....	1-1
1-2 GENERAL SAFETY INSTRUCTIONS.....	1-3
1-3 THE DIAGRAMS AND DRAWINGS OF SAFETY.....	1-5
1-4 DANGER AREAS.....	1-9
2. MACHINE FEATURE	
2-1 NOMENCLATURE	2-1
2-2 MACHINE OUTLINE DIMENSION.....	2-2
2-3 FOUNDATION DRAWING.....	2-4
2-4 SPECIFICATION.....	2-5
3. TRANSPORTATION	
3-1 PRECAUTION.....	3-1
3-2 TRANSPORTATION DRAWING.....	3-2
3-3 TRANSPORTATION-FLOOR DRAWING.....	3-3
4. INSTALLATION	
4-1 PRECAUTION.....	4-1
4-2 ENVIRONMENTAL REQUIREMENT.....	4-1
4-3 THE PROCEDURE OF INSTALLATION MACHINE	4-2
5. KEY PARTS FEATURES	
5-1 PNEUMATIC SYSTEM	5-1
5-1-1 FRL UNIT	5-1
5-1-2 TECHNICAL DATA AND OUTLINE DIMENSION.....	5-2
5-1-3 THE SETTING METHOD OF FRL UNIT	5-3
5-1-4 THE LOOP SKETCH OF PNEUMATIC SYSTEM.....	5-4
5-1-5 THE ROUTE SKETCH OF PNEUMATIC SYSTEM.....	5-5
5-2 COOLANT SYSTEM	5-7
5-2-1 OUTLINE DIMENSION OF COOLANT PUMP.....	5-7
5-2-2 TECHNICAL DATA.....	5-7
5-2-3 POSITION OF TERMINAL BOX.....	5-7
5-2-4 PIPE WORK.....	5-7
5-2-5 ELECTRICAL CONNECTION.....	5-8
5-2-6 PHASE OF THE PUMP.....	5-8
5-2-7 TROUBLESHOOTING.....	5-8

5-3 SPINDLE OIL COOLER SYSTEM	5-9
5-3-1 OUTLINE DIMENSION.....	5-9
5-3-2 CIRCUIT DIAGRAM.....	5-9
5-3-3 WIRE CONNECTION.....	5-10
5-3-4 GENERAL CAUTION.....	5-10
5-3-5 MAINTENANCE.....	5-11
5-3-6 TROUBLESHOOTING.....	5-12
5-4 LUBRICATION SYSTEM	5-13
5-4-1 OUTLINE DIMENSION.....	5-13
5-4-2 FULL UP LUBRICATION OIL	5-14
5-4-3 THE LUBRICATION SYSTEM SKETCHES OF AXES	5-15
5-5 HEAT EXCHANGER SYSTEM	5-16
5-5-1 OUTLINE DIMENSION OF HEAT EXCHANGER.....	5-16
5-5-2 GENERAL CAUTION.....	5-16
5-5-3 SPECIFICATION AND TECHNICAL DATA.....	5-16
5-5-4 BASIC MAINTENANCE.....	5-17
6 CLEAN AND MAINTENANCE	
6-1 DAILY MAINTENANCE.....	6-1
6-2 WEEKLY MAINTENANCE.....	6-2
6-3 SEMIANNUAL MAINTENANCE.....	6-2
6-4 ANNUAL MAINTENANCE.....	6-3
6-5 ENVIRONMENTAL CLAIMS.....	6-3
6-6 OUR GOAL.....	6-3
6-7 WASTE TREATMENT.....	6-4

【APPENDIX】 Caution: Spindle Operation