

mitsui
SURFACE GRINDER
MSG-250H2
Instruction Book



Mitsui High-tec, Inc.

TABLE OF CONTENTS

	PAGE
1. MACHINE PROPER CONFIGURATION AND NAME OF MAIN PARTS	
1-1 MACHINE PROPER CONFIGURATION	1
1-2 NAME OF MAIN PARTS	2
2. SPECIFICATIONS	
2-1 SPECIFICATIONS OF MSG-250H2	3
2-2 STANDARD ACCESSORIES	5
3. FLOOR SPACE OF MSG-250H2	6
4. UNPACKING AND SETTING UP THE MACHINE	
4-1 UNPACKING AND SETTING UP LOCATION	7
4-2 FOUNDATION FOR SETTING UP THE MACHINE	10
4-3 MAINTENANCE	12
5. MECHANISM OF MAIN PARTS	
5-1 HANDWHEELS	13
5-2 MANUAL LONGITUDINAL FEED DEVICE	14
5-3 AUTOMATIC LONGITUDINAL FEED, REVERSE DOGS AND START LEVER	15
5-4 VERTICAL FEED DEVICE	16
5-5 AUTOMATIC DOWNFEED DEVICE	17

		PAGE
5-6	LIMIT SWITCHES FOR AUTOMATIC CROSS FEED REVERSE	18
5-7	FLOW CONTROL VALVE FOR SETTING INTERMITTENT CROSS FEED	19
5-8	HYDRAULIC UNIT (HYDRAULIC TANK)	20
5-9	LUBRICATION SYSTEM	21
5-10	FIXING CONDITION OF TABLE AND CYLINDER ROD	22
5-11	LIMIT SWITCH FOR UPPER LIMIT OF VERTICAL	23
6. HYDRAULIC CIRCUIT		
6-1	HYDRAULIC CIRCUIT DIAGRAM AND PARTS LIST	24
6-2	TANK UNIT CONFIGURATION	25
6-3	HYDRAULIC INSTRUMENTS ON HYDRAULIC TANK (1)	26
6-4	HYDRAULIC INSTRUMENTS ON HYDRAULIC TANK (2)	27
6-5	HYDRAULIC HOSE CONNECTION	28
6-6	HYDRAULIC HOSE CONNECTION DIAGRAM	29
6-7	HYDRAULIC OIL	30
7. LUBRICATION		
7-1	LUBRICATION	31
7-2	LUBRICATION OIL	32
7-3	LUBRICATION POINTS	33
		Mitsui High-tec, Inc.
		ii

<table><tr><td>8. ASSEMBLY DRAWINGS</td><td>PAGE</td></tr><tr><td>8-1 AUTOMATIC DOWNFEED DEVICE.....</td><td>34</td></tr><tr><td>8-2 CROSS FEED DEVICE.....</td><td>35</td></tr><tr><td colspan="2">9. ELECTRICALS</td></tr><tr><td>9-1 CONTROL PANEL</td><td>36</td></tr><tr><td>9-2 FUNCTIONS OF OPERATION SWITCHES.....</td><td>37</td></tr></table>		8. ASSEMBLY DRAWINGS	PAGE	8-1 AUTOMATIC DOWNFEED DEVICE.....	34	8-2 CROSS FEED DEVICE.....	35	9. ELECTRICALS		9-1 CONTROL PANEL	36	9-2 FUNCTIONS OF OPERATION SWITCHES.....	37
8. ASSEMBLY DRAWINGS	PAGE												
8-1 AUTOMATIC DOWNFEED DEVICE.....	34												
8-2 CROSS FEED DEVICE.....	35												
9. ELECTRICALS													
9-1 CONTROL PANEL	36												
9-2 FUNCTIONS OF OPERATION SWITCHES.....	37												
<table><tr><td></td><td>Mitsui High-tec, Inc.</td><td>iii</td></tr></table>			Mitsui High-tec, Inc.	iii									
	Mitsui High-tec, Inc.	iii											

