

GVC 600
(ENGLISH)

**INSTALLATION, MAINTENANCE AND
INSTRUCTIONS MANUAL**

INDEX

<u>0. GUARANTEE AND E.C. AFFIRMATION OF APPROVAL</u>	0-1
<u>1. INTRODUCTION</u>	1-1
<u>2. SAFETY PRECAUTIONS</u>	2-1
<u>3. CHECK LIST</u>	3-1
3.1 GEOMETRICAL VERIFICATION TEST	3-2
3.2 SPECIFICATION OF THE GEOMETRICAL VERIFICATION TEST	3-3
3.3 GEOMETRICAL VERIFICATION TEST	3-4
3.4 LASER POSITION CHECKING	3-5
<u>4. TECHNICAL INFORMATION</u>	4-1
4.1 TECHNICAL FEATURES	4-3
4.2 GENERAL VIEW OF THE MACHINE	4-5
4.3 SAFETY SYSTEM IN ACCORDANCE WITH “EC” NORMS	4-6
4.4 NOISE OUTPUT LEVEL DETAILS	4-8
4.5 POWER-SPEED GRAPH	4-9
4.6 MAIN COMPONENTS	4-10
4.6.1 MACHINE LUBRICATION	4-10
4.6.2 LUBRICATION INTERVALS OF BEARINGS	4-14
4.6.3 HEADSTOCK CHAINS LUBRICATION	4-15
4.6.4 PNEUMATIC DIAGRAM	4-15
4.6.5 TAPER-PULL STUD SYSTEM	4-17
4.6.6 COOLANT ELECTRIC PUMP	4-19
4.7 TOOL COOLING	4-21
4.8 AUTOMATIC TOOL CHANGER	4-22
4.8.1 SENSORS	4-22
4.8.2 INTERFERENCE OF TOOL EXCHANGING UNIT	4-23
<u>5. INSTALLATION</u>	5-1
5.1 SITING	5-1
5.2 TRANSPORT AND UNLOADING	5-2
5.3 FOUNDATION AND LEVELLING	5-5
<u>6. PREPARATORY OPERATION INSTRUCTIONS</u>	6-1
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

7. OPERATION AND SETTING	7-1
7.1 CONTROL DEVICES.....	7-1
7.1.1 MACHINE CONTROL PANEL WITH HEINDEHAIN 360.....	7-1
7.1.2 MACHINE CONTROL PANEL WITH HEINDEHAIN 407/415.....	7-6
7.1.3 MACHINE CONTROL PANEL WITH FAGOR 8050.....	7-11
8. MAINTENANCE	8-1
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
8.2.5 ADJUSTING THE SLIDES.....	8-4
9. PARTS ORDERING INSTRUCTIONS	9-1
10. ASSEMBLIES AND LIST OF PARTS	10-1
11. ELECTRICAL WIRING DIAGRAM	11-1
12. PARAMETERS MACHINE	12-1