

VS 50/60 INSTALLATION MAINTENANCE MANUAL



Hitachi Seiki U.S.A., Inc.

Jan. 2000- 1st Edition

Content

SECTION 1

- 1-1. Inspection upon receipt
- 1-2. How to fill out Installation form
- 1-3. Safety please read this section
- 1-4. Machine safety device

SECTION 2

- 2-1. Specification of machine
- 2-2. Retention stud drawing
- 2-3. Work table drawing

SECTION 3

- 3-1. Installation requirement
- 3-2. Foundation requirement
- 3-3. Power / Air / Oil / Coolant

SECTION 4

- (Customer must finish before installation starts)
- 4-1. Placed machine in position (3-point level)
Incoming power cable and pneumatic line into machine supply connector.
Remove Cosmoline
- 4-2. Lifting by overhead crane (Drawing)
- 4-3. Fork lift operation

SECTION 5

- 5-1. Remove shipping bracket from Machine
- 5-2. Check incoming voltage
Check phase rotation (Spindle oil chiller)
Machine power ON
- 5-3. NC/PC parameter check
- 5-4. Machine leveling
- 5-5. Geometry & alignment check
- 5-6. How to purge air from ATC unit
(This procedure must be done prior to tool change operation)

5-7. Function check

- 5-7-1. Axis home & Over travel check
- 5-7-2. Spindle break-in
- 5-7-3. Spindle orientation
- 5-7-4. Automatic tool change cycle
- 5-7-5. ATC magazine operation
- 5-7-6. Operation panel function check
- 5-7-7. Accessories
- 5-7-8. UTS/Probe
- 5-7-9. Chip conveyor / Coolant pump
- 5-7-10. Covers
- 5-7-11. Record

5-8. Coolant tank & chip conveyor installation

- 5-8-1. Rolling Filter Conveyor
- 5-8-2. Hinge Belt Conveyor

SECTION 6

- 6-1. ATC recovery method & ATC motor drive amplifier manual

SECTION 7.

- 7-1. Readers comment

Appendix

- 1-1 Back lash checking method
- 1-2 Tool unclamp push out adjustment