INTUITIVE PROGRAMING SYSTEM

OUTLINE

FOR

MILL

A. CONTROLLER

1. CONTROLLER KEY BOARD
    A. WRITE / ENTER
    B. FUNCTION KEYS
    C. DISPLAY KEYS
    D. MDI KEY
    E. PROGRAM / CONVRS KEY
    F. CURSOR KEYS
    G. HAND JOG
    H. LIST PROG KEY
    I. EDIT KEY
    J. SETTING GRAPH KEY

2. PROCEDURE FOR ESTABLISHING A NEW PROGRAM(LAB)

3. MDI MODE FOR TOOL AND SPINDLE ACTIVATION(LAB)

4. TOOL TOUCH OFF (LAB)

5. WORK OFFSET SETTING PROCEDURE

6. PROCEDURE FOR USING GRAPHICS SYSTEM

B. REVIEW OF CYCLES:

A. DRILLING CYCLES
    1. G81
    2. G83
    3. G84
B. CANNED POCKET MILLING CYCLES
    1. G12 & G13
    2. G150 – GENERAL POCKET MILLING CYCLE

C. INTUITIVE PROGRAMMING SYSTEM

1. SYSTEM TABS
   - A. SETUP
     1. WORK
     2. TOOLS
   - B. FACE
   - C. DRILL
     1. BOLT HOLE CIRCLE
     2. LINEAR HOLE PATTERN
     3. SINGLE HOLE
     4. MULTIPLE HOLES
   - D. POCKET MILLING
     1. CIRCULAR POCKET MILLING
     2. RECTANGULAR POCKET MILLING
     3. IRREGULAR POCKET MILLING

2. PROGRAMMING USING IPS

   a. Lab 1(FACE MILLING, DRILLING, TAPPING)
   b. Lab 2(POCKET MILLING / RECTANGLE)
   c. Lab 3(POCKET MILLING / CIRCULAR & IRREGULAR)