CHAPTER 3 - ROBOT START-UP

3.1. HOW TO START UP THE ROBOT

Set the mains isolator switch 1 located on the rear of the robot cabinet.

Check that the POWER indicator light located on the front door is on.

Set the display console power switch to 1.

Check that the switch LOCAL/NETWORK is on LOCAL.
If the switch AUTO/MANU   is on AUTO the terminal also is activated.
                                   is on MANU the teach pendant also is activated.

Different messages while «Loading from Drive C» will be displayed on the screen indicating that the system is loading the memory and testing the various peripherals, memory, etc. for correct operation.
Wait until «.» dot prompt appears on the LH side of the screen indicating that system is in command mode.

Type on keyboard «EN POWER» (or press the teach pendant COMP/POWER button and press the green «ARM POWER 1» (ON) button, if you do not press this button in the 15 sec, the message "high power button on VFP not pressed" displays on the screen.

Check that ARM POWER ON indicator light is on
The system is now ready to accept your commands.

If applicable, select a low speed:

      SP 10 taken by default for safety reasons.

You can now give commands of the DIR, FDIR, DELETEP type, etc.

We can mention here that there are two other system prompts; these are [*] and [?].
The table below summarizes the three base indications.

Indication given by robot	Mode	Action
.	Command	Only commands of DIR, FDIR, FORMAT type etc. can be given to the robot.
*	Execution	Commands of AB, Panic type etc. can be given.
?	Edit	Only editor instructions or commands can be given.

Remark: Command mode includes a buffer of 15 commands which can be selected using the ⬆ and ⬇ keys on the keyboard.

3.2. HOW TO STOP THE ROBOT

The ROBOT arm is fixed :

Switch off the robot arm power (5 possibilities)
1.   pressing on the emergency stop push button of the controller or the teach pendant one.
2.   typing DIS POWER on keyboard.
3.   pressing another time on the ARM POWER ON button when the indicator ARM POWER lights.
4.   pressing the DIS PWR button of the teach pendant.
5.   modifying the position of the AUTO/MANU switch.

Switch off the terminal display.

Switch off the mains supply (via the mains isolator).

Important :

In an hostile atmosphere (dust, electromagnetic noise, etc..), the doors of the robot cabinet have to stay closed.

NOTE :

DISABLE POWER allows to switch off the arm power.
ENABLE POWER allows to activate the arm power from the keyboard.