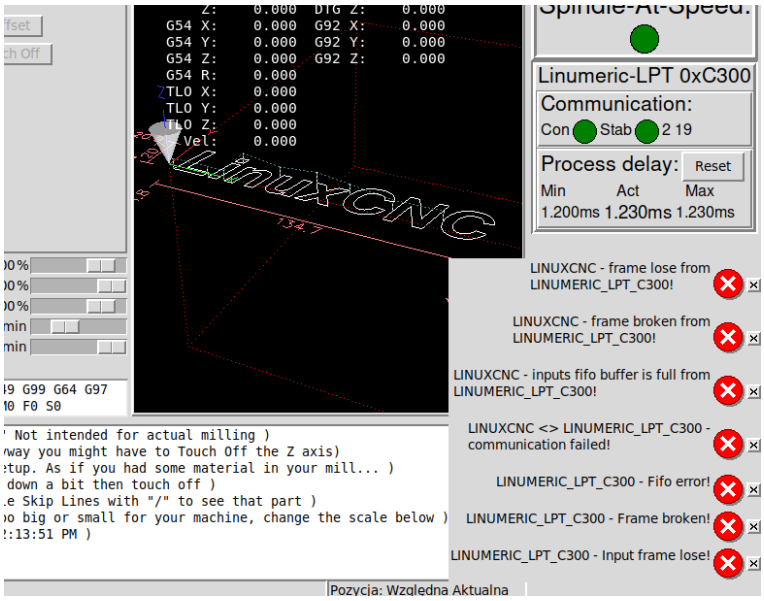
9 - Linumeric-LPT V3 – Error signaling EN

The **Linumeric-LPT V3** device signals errors using the red ERR LED, which should not be lit or blinking when working with the Linumeric-LPT software.
When the ERR light is on, an error has occurred.
To make it easier to verify what error occurred, the LinuxCNC software displays errors from **Linumeric-LPT V3** as a message at the bottom of the screen.



If an error occurs while the machine is running, it may result in loss of input and/or output data. Then you need to find the cause and take action to eliminate it.
If the error occurs when the machine is stopped, it has no effect and you can close the message and continue working.

1. ***LINUXCNC – frame lose from LINUMERIC_LPT_C300!***
   Lost data frame from Linumeric-LPT V3 device to LinuxCNC software.
2. *The error occurs in the event of communication problems, incorrect system operation and Ethernet interrupt handling. The solution may be to increase the BUFF_TIME_US data buffer in the Linumeric_LPT_config.cfg file and/or increase the BASE_PERIOD value in the .ini file*
3. ***LINUXCNC – frame broken from LINUMERIC_LPT_C300!***
   Incomplete, interrupted data frame from the Linumeric-LPT V3 device to the LinuxCNC software. The error occurs in the event of communication problems, incorrect system operation and Ethernet interrupt handling. The solution may be to increase the BUFF_TIME_US data buffer in the Linumeric_LPT_config.cfg file and/or increase the BASE_PERIOD value in the .ini file
4. ***LINUXCNC – input fifo buffer is full from LINUMERIC_LPT_C300!***
   Input frame buffer overflow in LinuxCNC software. The error occurs in the event of communication problems, incorrect system operation and Ethernet interrupt handling. The solution may be to increase the BUFF_TIME_US data buffer in the Linumeric_LPT_config.cfg file and/or increase the BASE_PERIOD value in the .ini file
5. ***LINUXCNC <> LINUMERIC_LPT_C300 – communication failed!***

No communication with Linumeric-PT V3. The reason may be that the device is not powered, the Ethernet cable is not connected, the network connection is not properly configured, etc.

6. ***LINUMERIC_LPT_C300 – Fifo error!***
   The error indicates an overflow or empty data buffer in the Linumeric-LPT V3 device. The error is not always critical, but if an error occurs during movement, some signals may be lost, so when an error occurs during operation, you should stop working and verify the cause of the error.
   The solution may be to increase the BUFF_TIME_US data buffer in the Linumeric_LPT_config.cfg file and/or increase the BASE_PERIOD value in the .ini file
7. ***LINUMERIC_LPT_C300 – Frame broken!***
   Damaged, incomplete frame for the Linumeric-LPT V3 device.
   If this error occurs, do not continue processing because there is a real risk of losing the dimension. The cause of the error must be diagnosed.
8. ***LINUMERIC_LPT_C300 – Input frame lose!***
   The message indicates that at least one data frame has been lost from the LinuxCNC program to Linumeric-LPT V3. If this error occurs, do not continue processing because there is a real risk of losing the dimension. The cause of the error must be diagnosed.