

### TDC Settings INVERTER Carriage FS4xx

This is a small description which I hope that can help you.

There is a solution with the help of electronic, but probably you have to replace the gearbox N4.7622 on the column.

When the board stops the carriage, de-energise the start forward signal to the converter. In this case the converter, decelerates with the set ramp times (0.2 seconds) when the speed of the motor is nearly 0, the converter activates the standstill DC injection current for the set time TDC (standard 0.1 sec.)

This current lock the motor for the set time TDC, after that the motor is no more under the control of the converter, (free to turn).

If the carriage immediately after the stop, starts moving down, its possible to change the TDC parameter in the inverter, from 0.1 to 1.5, this means that after the deceleration, the motor is locked from the converter for 1.5 sec. (to be sure 100% that the motor is stopped).

When the carriage stops you should see on the display TDC for 1.5 sec, and after if the converters shows RDY.

How to change the parameter:

You have to change this parameter on the carriage inverter U1.

Please refer to the annex manual on page 47.

On the inverter here below the sequence of operations:

Press

ENT

The display will show "bFr"

Scroll with the up or down key until you will find the parameter "Fun".

Press ENT

The display will show "rPC"

Scroll with the up or down key until you will find the parameter "AdC".

Press ENT

The display will show "AdC"

Press the down key

The display will show "tdC1"

Press ENT

The display will show "0.1"

Increase the value with the up key to 1.5

Confirm with ENT

Press

ESC key 4 times

Please try this solution as first.

If there still the problem, the solution is to change the gearbox N4.7622