

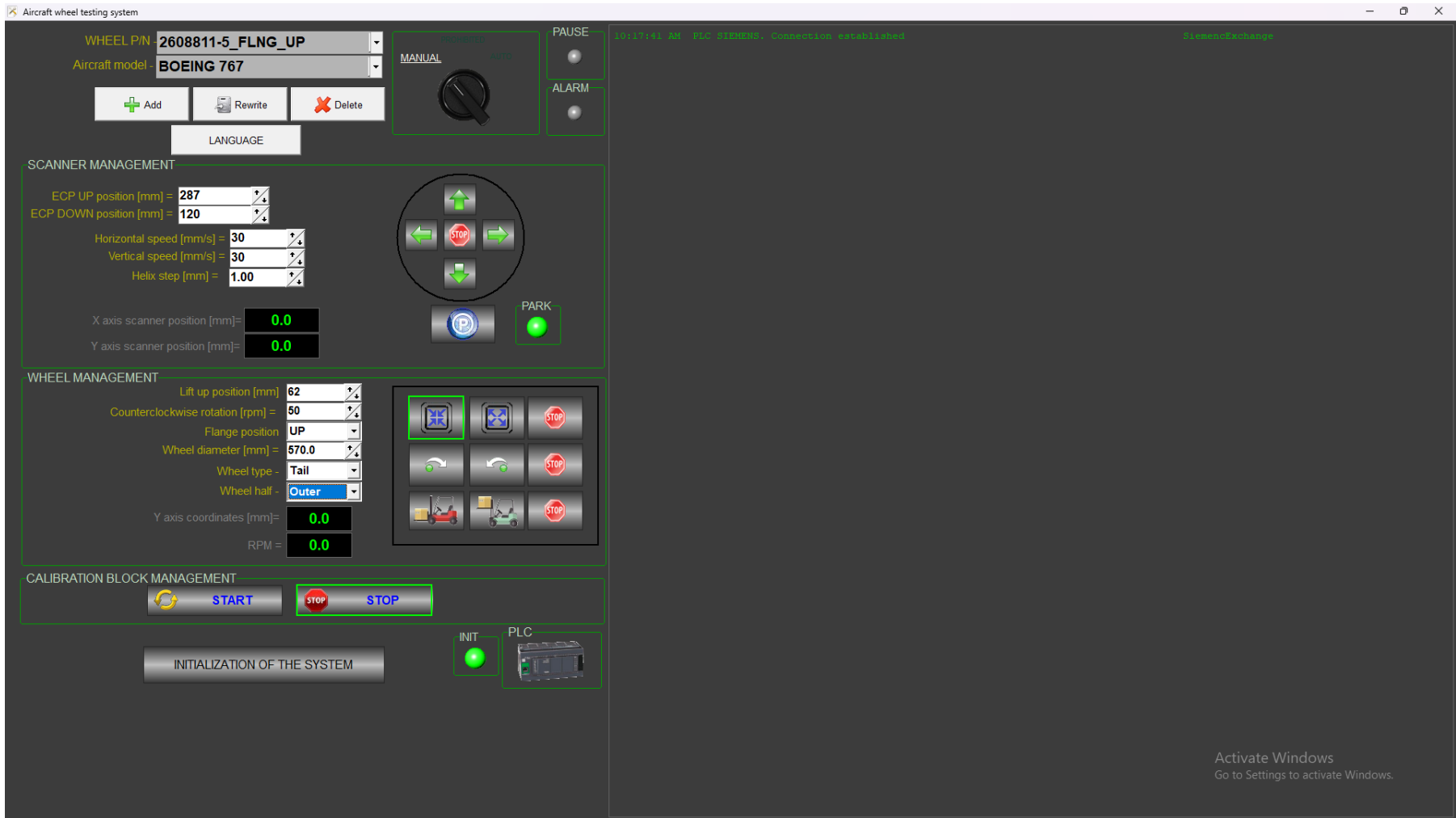


Eddy current
aircraft wheel
discs inspection
the automated system

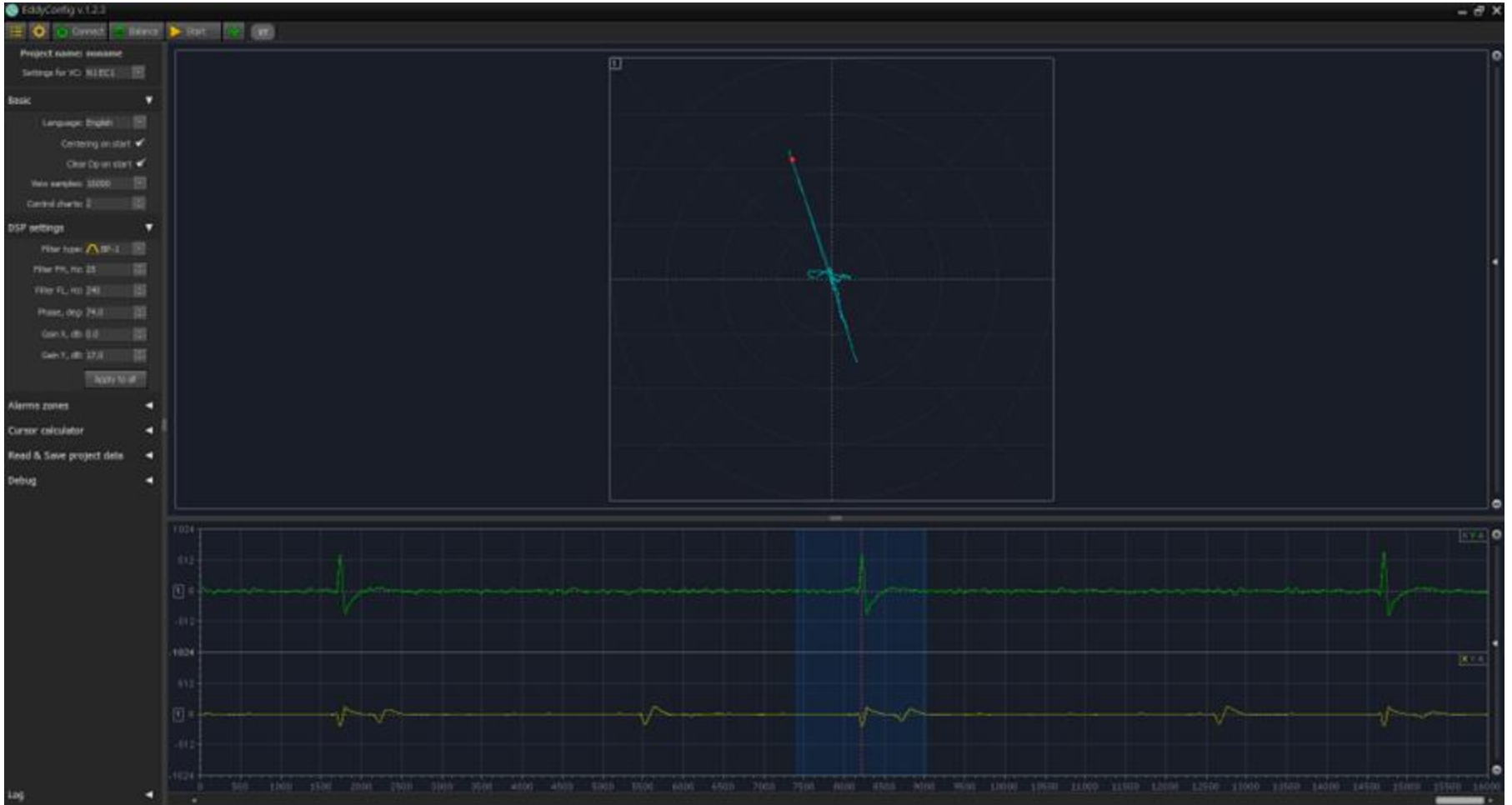
SMARTSCAN-FA



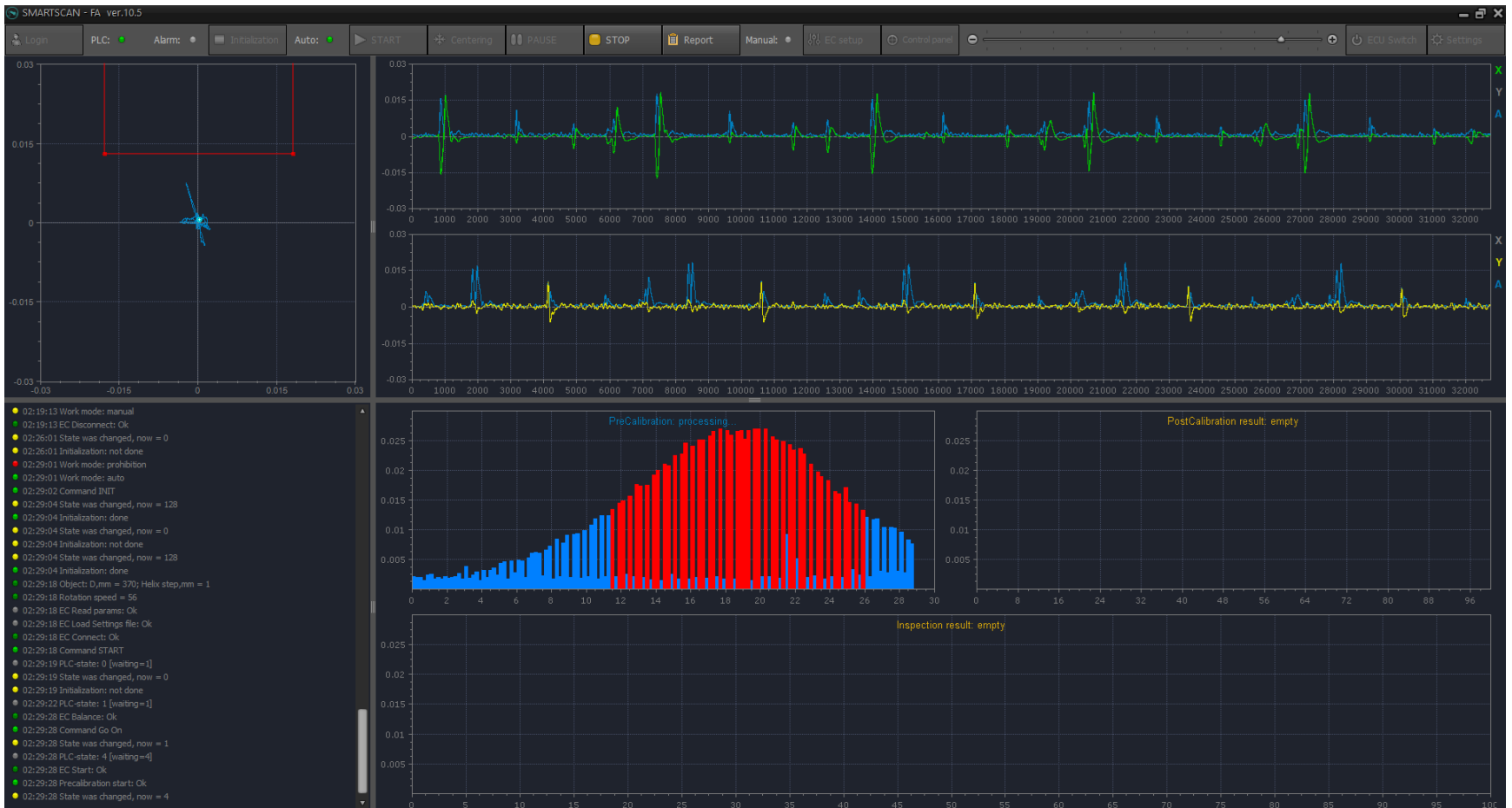
Appearance of the SMARTSCAN-FA System



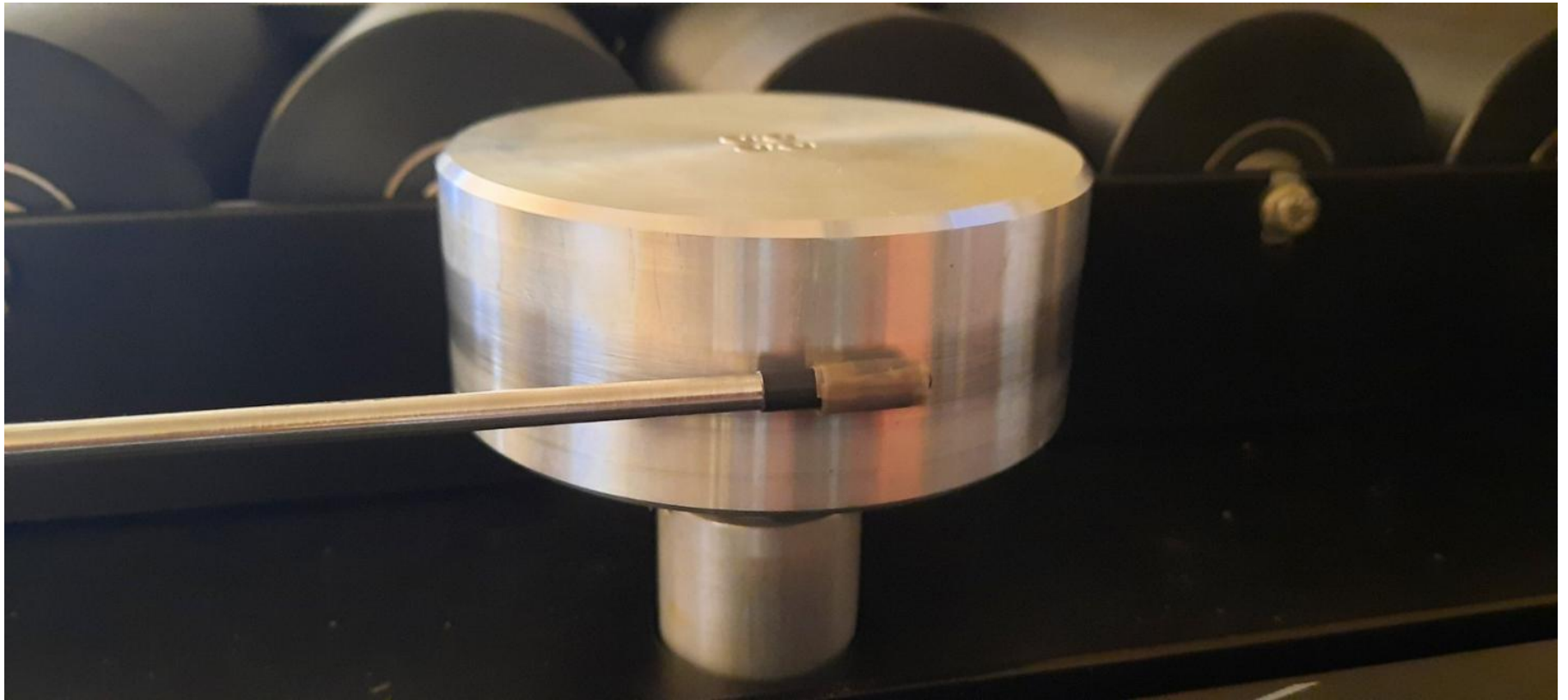
Interface of the program for controlling the mechanical part of the system



Eddycon D eddy current flaw detector setup program interface with signal from EDM notch with dimensions $1.52 \times 0.76 \times 0.1$ mm (L \times W \times H)



Testing program interface



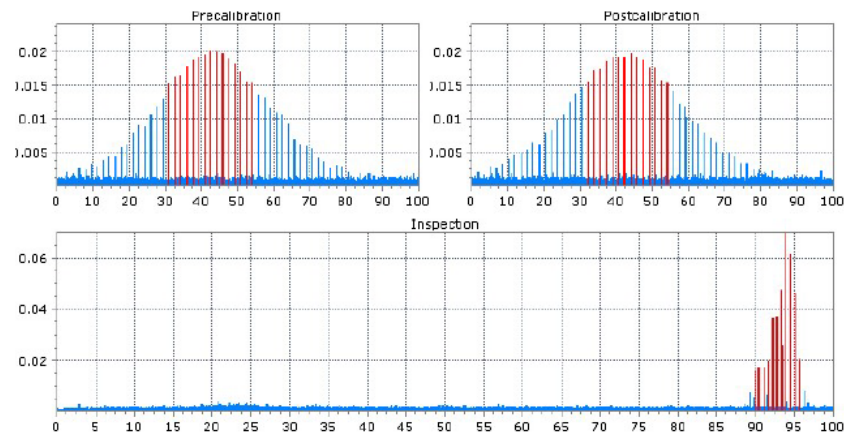
Rotational calibration block for checking the performance of the ECP

Eddy current system SmartScan-FA

Report



Main info		Inspection timings			
NDT Inspector	Anton	Start wheel testing	10:36:48		
Customer	Local	Start inspection	10:37:28		
Test date, time	2024.09.06 10:41:45	Stop inspection	10:41:11		
Test result	FAIL	Stop wheel testing	10:41:42		
File name	678_2024.09.06_10.41.pdf				
Eddycon D s/n	38				
ECP	SU200K6D-380BSh	s/n	65		
Wheel parameters					
Wheel P/N	2608811-5_FLNG_UP	Type	Tail	Half	Inner
Serial number	678				
Work order	WO06092024				
Aircraft specification	BOEING 767				
Wheel diameter (mm)	570				
System parameters					
Rotation direction	counterclockwise				
ECP UP position	287				
ECP DOWN position	120				
Flange position	UP				
Helix step (mm)	1.2				
Wheel rotation speed (rpm)	50				
Flaw detector settings					
Frequency (kHz)	200.000				
Drive voltage (V)	6.000				
Gain 1 (dB)	10.000	Gain 2 (dB)	10.000	Gain Y (dB)	17.000
Filter Type	BandPass				
FH (Hz)	25	FL (Hz)	350		
Phase (deg)	75.500				
Alarm zone	P1: X = -0.02 Y = 0.015		P2: X = 0.02 Y = 0.015		



Appearance of the SMARTSCAN-FA SyExample of a wheel disc inspection protocol stem



SmartScan FA

Aircraft Wheel Inspection System

www.okondt.com



Thank you for your attention