



# Application Note: Wheel Problem Analysis

Abstract This documents is an application note Version 0.1

0.1 Draft

Status Date

2021/01/05

## Revision history

Version	Date	Content
0.1	2021/01/05	Initial version

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## Introduction

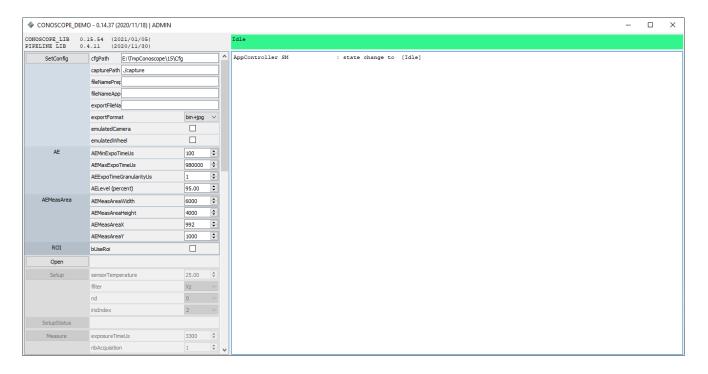
Steps to check the behavior of the Taprisiot.

#### Version to use:

Conoscope\_Demo 0.14.37 Conoscope\_lib This lib has been modified to display some information 0.15.54 Pipeline\_lib

0.4.11

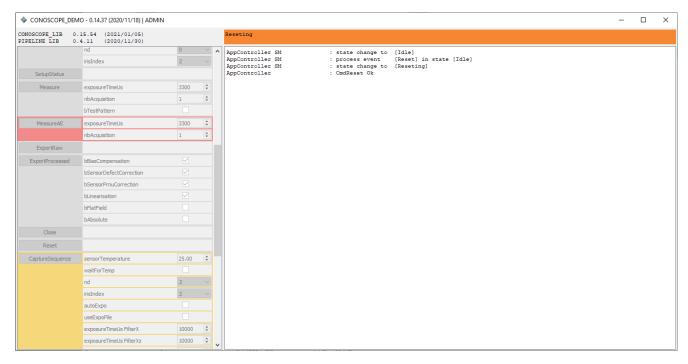
# Application Start up

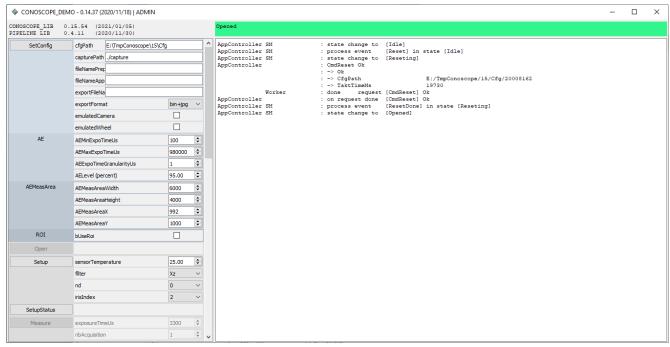


## 3 Taprisiot Reset

Perform a reset (Reset Button).

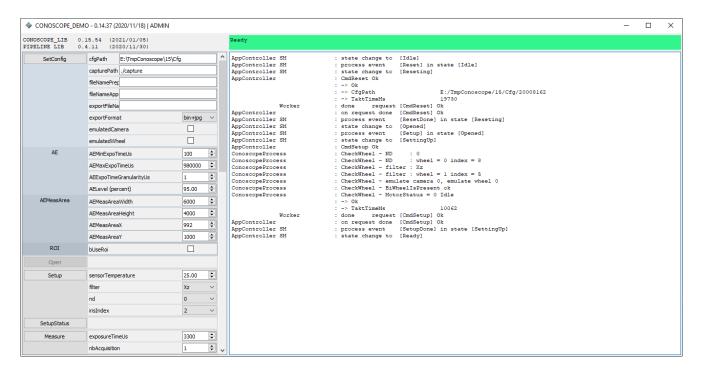
The operation may take some time and ends in Opened State.





### 4 Setup

#### Configure the Taprisiot with Filter: Xz and ND: 0



#### New trace are displayed:

ConoscopeProcess : CheckWheel - ND : 2

ConoscopeProcess : CheckWheel - ND : wheel = 0 index = 3

ConoscopeProcess : CheckWheel - filter : Ya

ConoscopeProcess : CheckWheel - filter : wheel = 1 index = 7

ConoscopeProcess : CheckWheel - emulate camera 0, emulate wheel 0

ConoscopeProcess : CheckWheel - BiWheelIsPresent ok

ConoscopeProcess : CheckWheel - MotorStatus = 16 Success

CheckWheel - BiWheelIsPresent ok

Indicates that the communication with the motor is fine

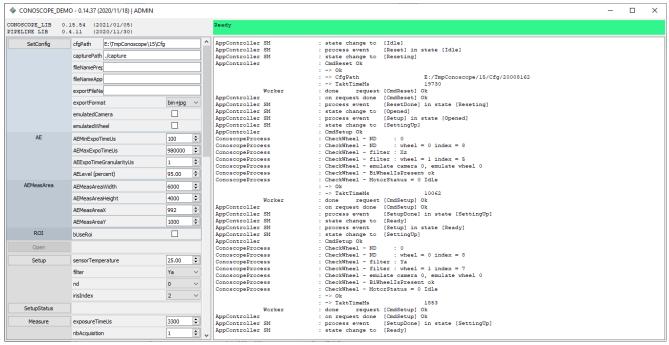
CheckWheel - MotorStatus = 16 Success

Indicates that the motor is in the right state

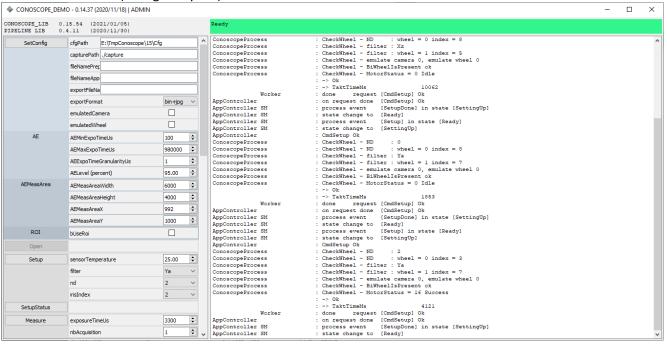
#### 5 Setup

Perform different setup configuration.

Filter: Ya and ND: 0

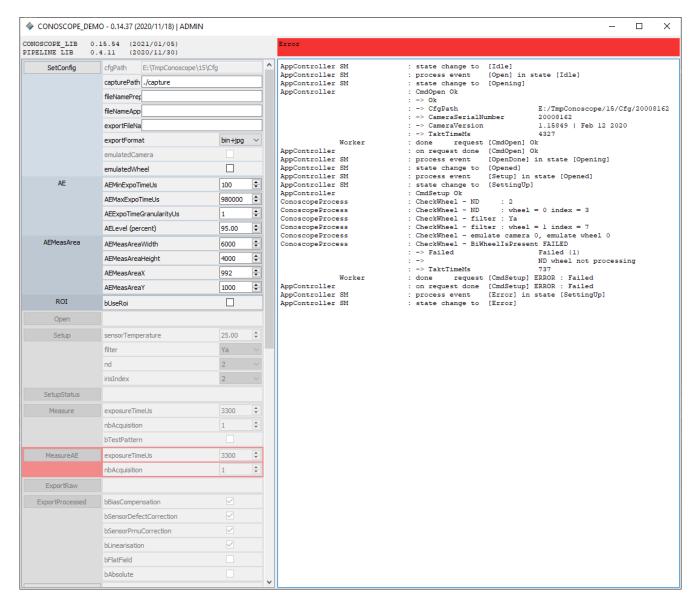


Filter: Ya and ND: 2 (change only ND)



## 6 Setup with error

Emulate an error by unplugging the cable between the camera and the filter module



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ConoscopeProcess : CheckWheel - ND : 2
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ConoscopeProcess : CheckWheel - ND : wheel = 0 index = 3

ConoscopeProcess : CheckWheel - filter : Ya

ConoscopeProcess: CheckWheel - filter: wheel = 1 index = 7

ConoscopeProcess : CheckWheel - emulate camera 0, emulate wheel 0

ConoscopeProcess : CheckWheel - BiWheelIsPresent FAILED

BiWheelIsPresent FAILED indicate that the communication is not possible.