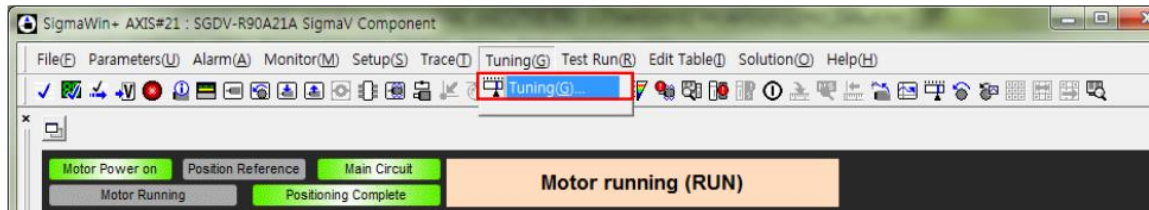# [Yaskawa] Driver Auto Tuning.

본 Technical Note는 Yaskawa사의 SigmaWin+을 사용한 Auto Tuning 참고 문서입니다.

1. 상단 Menu -> Tuning 선택합니다.
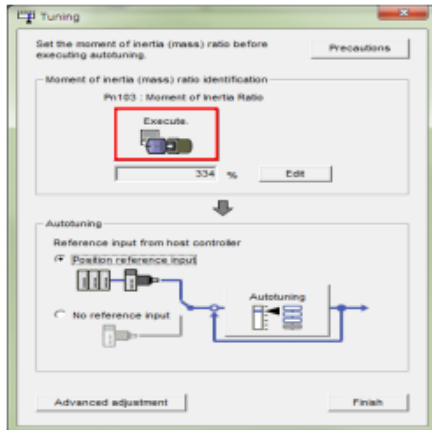

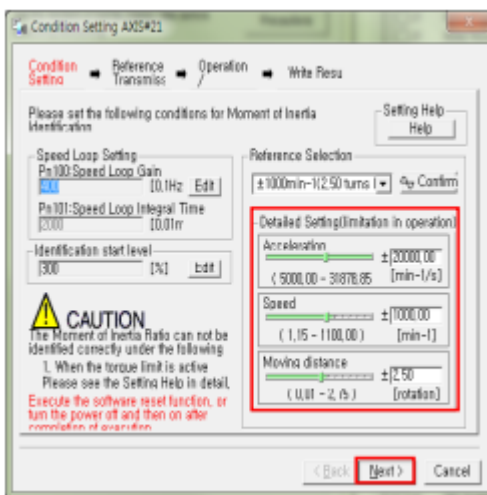➢ Tuning Mode 들어가기 전 Servo Off 상태에서 실행합니다.

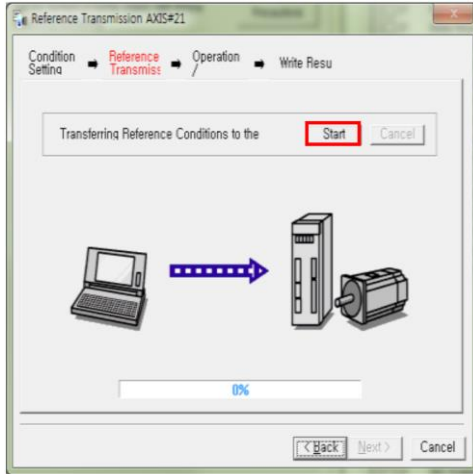2. Moment of Inertia ratio Setting
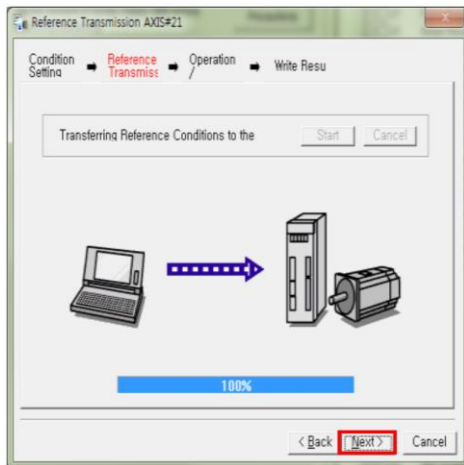
   1) Execute 선택합니다.

   2) Test 환경 설정.

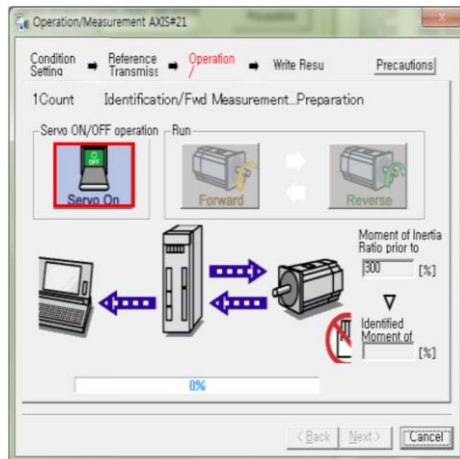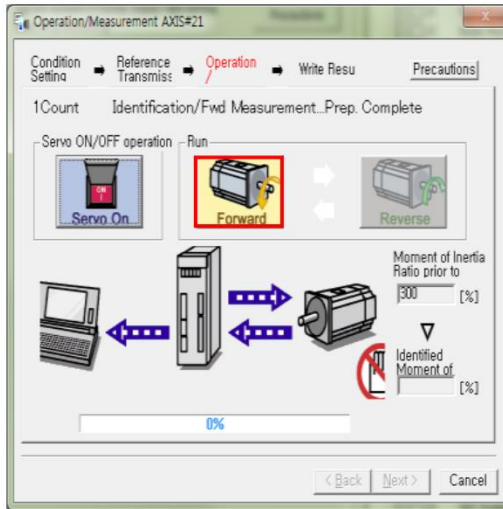   ■ Motor가 구동하는 Test이니 간섭이 최대한 없는 위치로 이동 후 진행하십시오.

3) Test 진행.

① Start를 선택합니다.

② Next를 선택합니다.
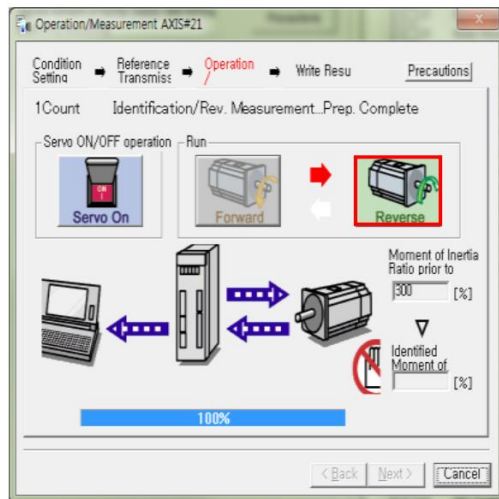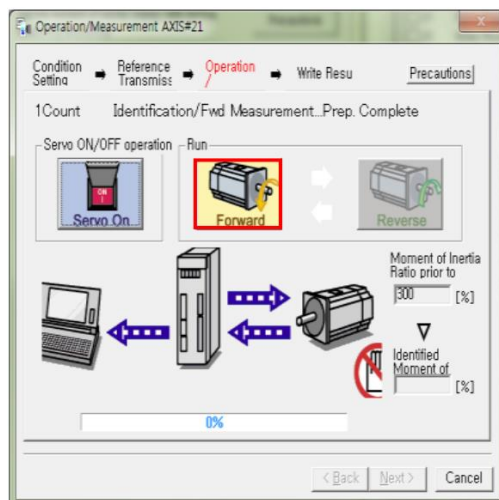

③ Servo On을 선택합니다.
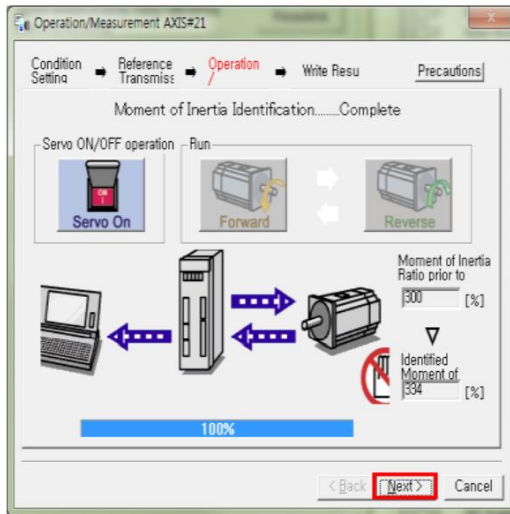
④ Forward를 선택합니다.

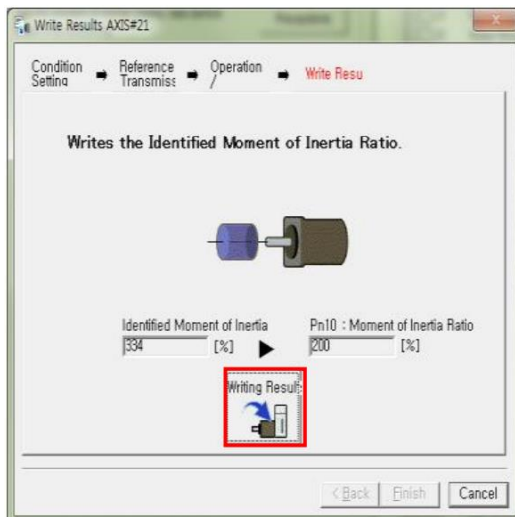⑤ Forward 진행이 완료되면 Reverse를 선택합니다.

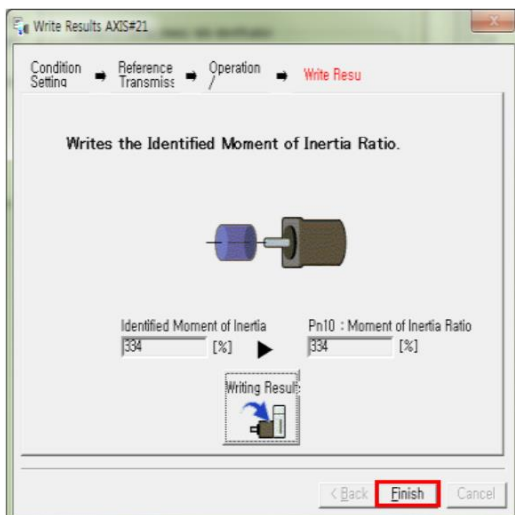⑥ Reverse 진행이 완료되면 Forward를 선택합니다. (Next 버튼이 활성화될 때까지 반복Test 니다.

⑦   반복 Test가 완료됐으면 Next를 선택합니다
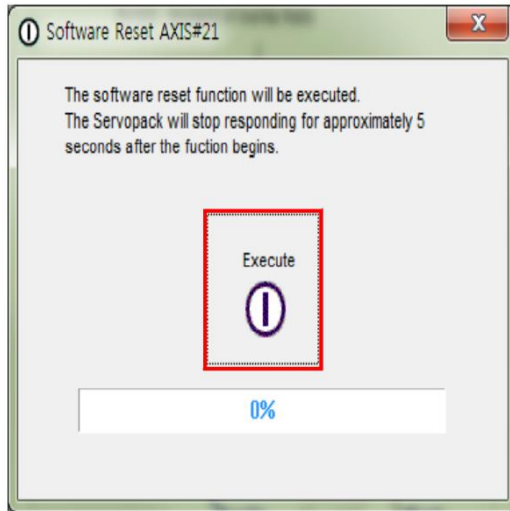

⑧   관성비가 구해졌으면 Writing Result 선택으로 Driver에 적용시킵니다.
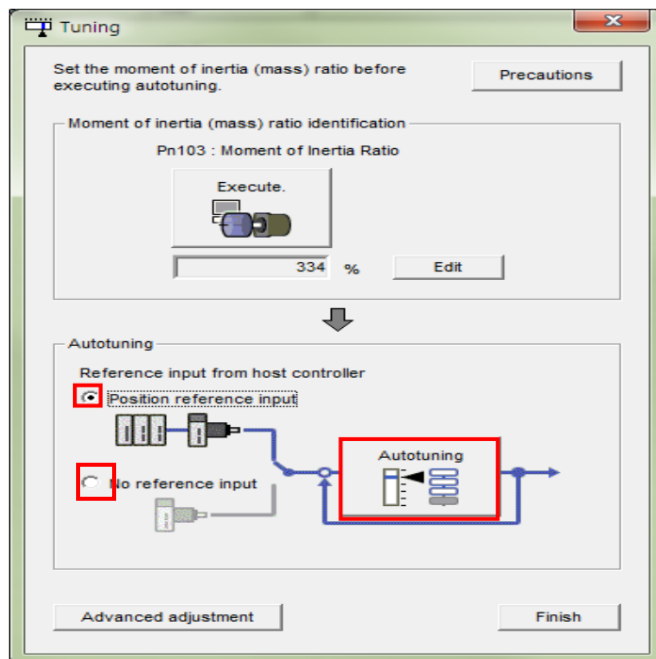

⑨   Finish 선택합니다.

⑩   Parameter가 정상적용 될 수 있도록 Software Reset 합니다.
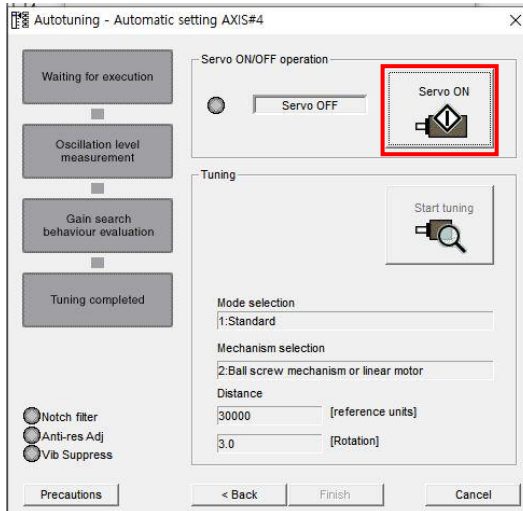

3.   Auto Tuning

1)   Auto Tuning Mode

①   Position reference input: 상위 컨트롤러로 구동 진행하며 Tuning 진행

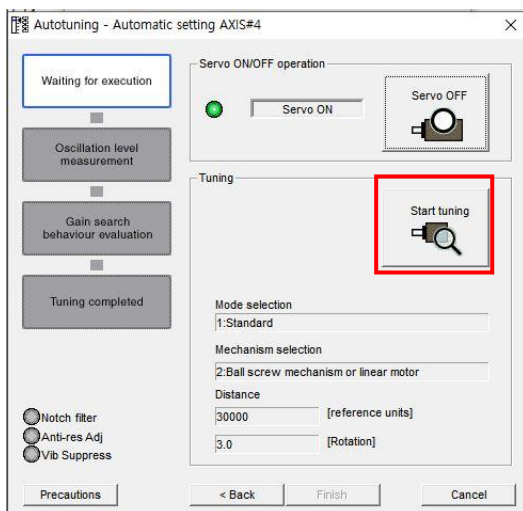②   No reference input: Driver 내에서 구동 진행하여 Auto Tuning 진행

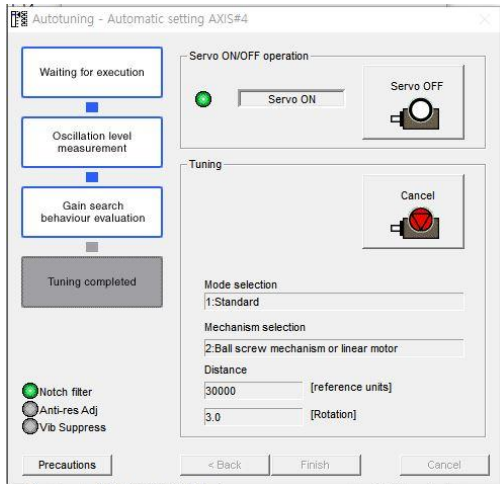Mode 선택 후 Auto Tuning 선택.

2) Tuning 진행

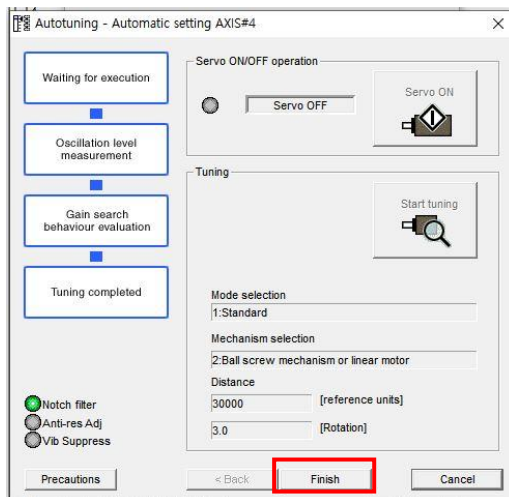① Servo On을 선택합니다.

② Start Tuning을 선택하여 Tuning을 진행합니다.

■ Position reference input: 상위 컨트롤러로 +/- Jog 이동하여 Tuning 진행

■ No reference input: Driver 내에서 Auto Tuning 진행.

③ Tuning 진행 상태

④ Tuning 완료.

⚠ 주의	• Motor 구동 중 간섭이 없도록 하여 진행 바랍니다.