

# ENGINEER TO ORDER

SPECIAL PROJECT INFORMATION SHEET



Project Description	Torque & angle valve testing kit with AC servo drives		
Date created	February 2020	Project Number	Q4835 + Q4835.01/2

## INTRODUCTION & APPLICATION

Testing of ball valves requiring cyclical rotation 0-90° / 90-0°, whilst recording torque vs angle data. Torque range of 70-100,000 N.m is required to cover a family of valve sizes. The test must be remotely controlled from outside of the test chamber, where the test valve is pressurised.

## SOLUTION



## TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

- Torque range required covered by 3 tool sizes i.e. No.5 (2% FSD Calibration), No.11 & No.14.
- Test data capture and output in CSV format onto external USB drive, for the generation of customer test reports & graphs. Real time data streaming via RS232 serial port.
- AC servo drives for increased control and lower noise.
- Controller Q4746.01 can operate AC servo drive tools or pneumatic tools (via solenoid valves).
- Controller input ports available for customer pressure, temperature and proximity sensors.
- Automatic recognition of Smart enabled transducers.