

## Marker Disc

### CDL 1-TM07-0100:0209

This device is used as a general purpose test object for testing the successful functioning of a Coda cx1 system for acquiring marker data. The device consists of a circular aluminium disc of 155 mm diameter mounted on the shaft of a mains powered geared synchronous AC motor. Typically, two Coda markers are mounted on the disc on opposite ends of a diameter line. An internally powered 2 or 8-marker drive box is also mounted centrally on the disc.

The disc rotates at a speed of 50 rpm (UK) or 60rpm (US); although the speed is not critical. The intention is to provide the Coda cx1 system with the possibility to track the circular motion of markers. The resulting data can be recorded and subsequently examined to check for continuity and quality. For example, irregularities in the sinusoidal graphs of displacement versus time can be used to indicate degradation of motion tracking performance.

