



## Optional Research Toolkit Module for HUMAC Software

Research customers have expressed an interest in manually controlling the HUMAC NORM Dynamometer. In addition they have asked for a wider and finer performance envelope. For these reasons CSMi is created the HUMAC Research Toolkit. The Research Toolkit gives the researcher direct control of the dynamometer. Key Features:

- Stand-alone module accessed via Start, Programs, HUMAC, Research Toolkit.
- Two Windows – Control Panel and Feedback Panel
- User can set range-of-motion as required – no preset range limits
- Micro speed (starting at 1/16 of a degree per second) and Micro torque (sensitive to 1/10 of a ft/lb) adjustments.
- Slide Bars to set controls
- Display torque, position, and velocity curves
- Vary sampling rate from 10 to 2,500 times per second
- Manually adjust torque scale
- Capture data set and store in Excel
- See real time results and peak levels for torque, position and velocity for agonist and antagonist motions

