CSL offers the right tools for acoustic phoneticians.

CSL®/Computerized Speech Lab offers extensive analysis formats, editing functions, and other core capabilities that make it the instrument of choice for acoustic phoneticians. The CSL is a completely integrated system. It includes both hardware and software and works on a host PC personal computer. Some exciting features and options include:

**Features**
- Dual-channel data acquisition with CD-quality audio playback fidelity (four-channel option available)
- Extensive analysis formats including spectrograms, waveforms, LPC (slices and formant history), pitch, energy, and more
- On-screen IPA transcription tool with all 196 characters including diacritics
- Integration with Palatometer linguapalatal contact patterns to link phoneme production and acoustic results
- Extensive commands for editing, digital filtering, warping, splicing, mixing, and appending speech samples for precise manipulation

**Programs for Research and Teaching**
- Speech synthesis (LPC-derived, residual-driven, and pitch-synchronous) with both graphic and numerical editing of formant frequencies, bandwidths, and fundamental frequency
- Multimedia IPA teaching software with each spoken phoneme analyzed spectrographically and with built-in exercises for student practice
- Phonetic database offers 82 MB of speech sampled from 25 languages with over 1,870 samples on CD-ROM
- Real-time options including pitch, spectrograms, and LPC-based spectra; ideal for classroom demonstrations or lab exercises

Kay offers competitive package pricing and excellent support for the CSL. Call 1-800-289-5297 for more information.

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