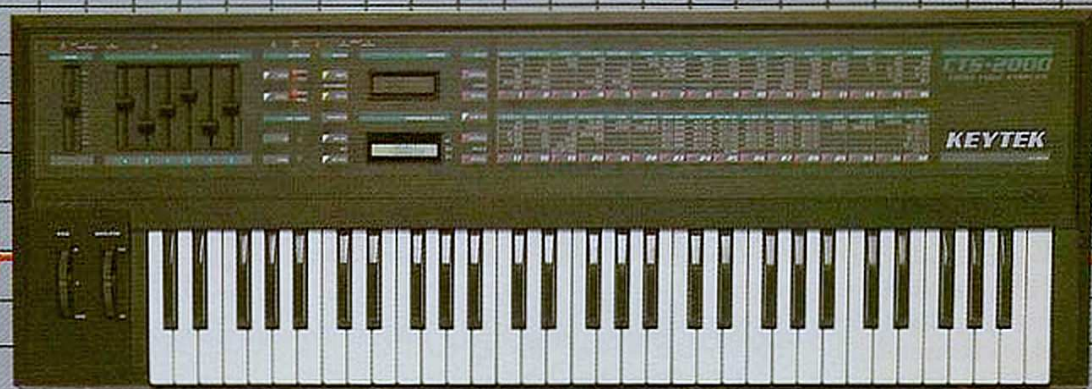a new approach to sound synthesis

Gibson USA

KEYTEK

Cross Table Sampled Instruments

How Cross Table Sampling Works

Keytek professional keyboards use an advanced signal processing technique, Cross Table Sampling. Going beyond sampling, CTS starts with a digitally recorded signal and uses external digital signal processing to modify and compress the original sample. The data is then put into wave tables. Keytek CTS instruments can read from two tables, or cross tables. This gives you all the sounds in the wave tables plus all the sounds from combinations of wave tables. Post sample processing, combined with a powerful resynthesis method using cross tables, allows Keytek CTS instruments to store a complete library of sounds in the space normally required for one sample. These sounds are all in the Keytek ROM*. This means more sounds "on-line" ready at an instant.

*Read Only Memory

Features of the CTS-2000

- 61 key (C to C) Velocity sensitive keyboard
- 6 voice with 2 signal sources per voice
- 320 wavetables in ROM for instant recall
- Analog signal processing on each voice, VCF and VCA each with a 7 stage envelope generator
- 8 data entry sliders and full alpha/numeric display for one of the most interactive, user friendly, editing systems found on a synthesizer
- "Polytimbric" up to 5 zones of 1 octave each
- 48 user programmable presets in internal memory
- External data cartridges
- Full MIDI implementation, each zone completely assignable
- Stereo outputs, with 5 different panpots on every preset

Who is Keytek?

Keytek was started over 10 years ago by a group of engineers who believed the only way to succeed was to build high quality instruments. Since 1976, Keytek engineers have concentrated on designs for real world musicians using sophisticated electronics to provide instruments that are reliable, servicable and affordable.

KEYTEK

THE KEYS TO THE FUTURE

ALSO NEW FROM KEYTEK
CTS-5000 (Digital CTS Piano)
CTS-400 (CTS Power, Low Price)

Available only at authorized Keytek Dealers