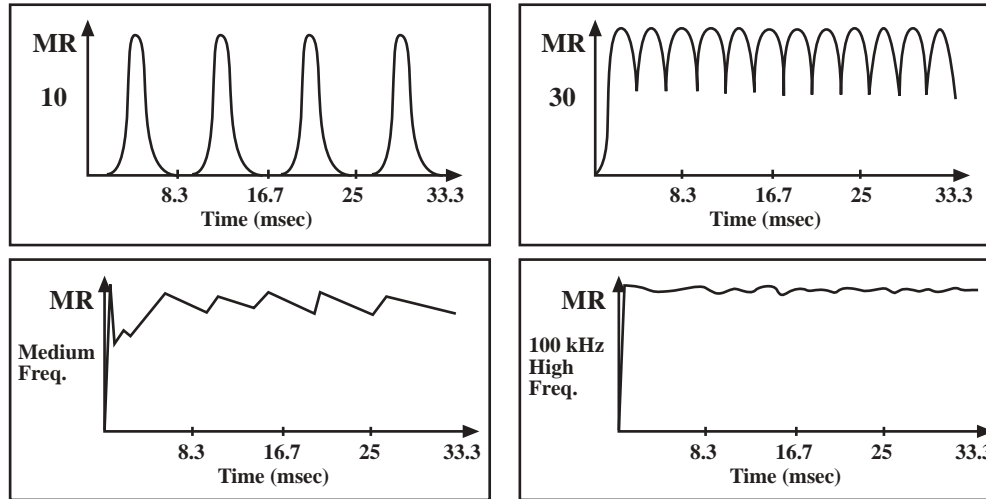


**Not All "High Frequency" Generators Are Alike**

The HCMI 100 kHz generator produces *true* high frequency power. More powerful than single phase or line frequency generators, 100 kHz power provides increased radiation output. The result? Conventional x-ray technique factors are reduced by a minimum of 50% and patient dose is reduced by 26%. Combining these beneficial factors with enhanced x-ray image contrast, density and resolution, every chiropractic office can benefit from an HCMI chiropractic system or generator upgrade.



**Five Year Product Warranty**

HCMI x-ray system warranties are the most comprehensive in the industry. A full five year product warranty demonstrates complete product confidence.

**HCMI 100 kHz Generators With Anatomical Programming**

Model	mA Range	kVp Range	Power Requirement	kW rating
HF-300	25 - 300	40 - 125	100 amps, 240 VAC	30
HF-600	25 - 600	40 - 125	120 amps, 240 VAC	37.5
HF-3SE	25 - 300	40 - 125	110 VAC, 15 amps	30



HCMI 100 kHz Operator Console is standard in shelf mounted configuration. Optional pedestal mount shown below.

**HCMI X-RAY**

*100 kHz High Frequency Chiropractic Systems*



**Health Care Manufacturing** offers Chiropractors the most advanced technology available in the radiographic industry. The HCMI 100 kHz generator with anatomical programming exceeds every expectation. Proven anatomical techniques are designed to meet the needs and preferences of every doctor.



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Regulatory compliance: FDA Parts 820 and 1020, UL 2601-1 2<sup>nd</sup> edition, CUL, IEC 60601-2-7

LOCAL REPRESENTATIVE



# TECHNOLOGY Reliability PERFORMANCE Versatility

**Technology is the single most important consideration** when investing in a new x-ray system. High frequency technology has revolutionized chiropractic radiography. More powerful than conventional single phase or three phase generators, high frequency technology has become the industry standard. Beware, not all "high frequency" generators are alike.

100 kHz technology is *true* high frequency power. With less than 1 kV ripple, the x-ray produced is very efficient and extremely effective. Addressing the most critical aspects of upright skeletal radiography, 100 kHz technology far exceeds the competition. Producing more radiation in less time allows for shorter exposure times, greatly reducing the risk of patient motion. 100 kHz offers increased penetration power at lower kV techniques, resulting in optimum radiographic film density with superior bone and soft tissue contrast.

**Reliability is essential**, especially in today's time sensitive world. Proven through years of use, 100 kHz technology is time tested. Utilizing state of the art technology, the HCMI 100 kHz generator employs internal self diagnostics and sophisticated self-testing, capable of making vital changes during the x-ray exposure to insure the integrity of the exposure is faultless. Mechanical structures, such as the tubestands and vertical cassette structures, are made from solid steel insuring years of uncompromising operation. HCMI systems also utilize eccentric bearings for guaranteed accurate alignment of the x-ray tube and bucky.

**Performance and operation** dictate how easy the system will operate. Simplicity and reproducibility are important factors in a system's operation. The HCMI 100 kHz generator includes anatomical programming, allowing for an easy three step x-ray exposure set-up:

- Step One - Select the anatomical region
- Step Two - Select the radiographic view
- Step Three - Enter the patient's measurement

The HCMI control panel's digital display now indicates the optimum mA, kVp and mAs for this patient and view. To insure superior radiographic images, every HCMI 100 kHz generator includes *Chiropractic Software by HCMI*. These researched and proven techniques combine 100 kHz technology with precision results.

**Versatility meets current and future needs.** HCMI systems are designed to address today's applications with tomorrow in mind.

**SE (stored energy) Generators** operate from a standard 110 Volt outlet, eliminating the need of a dedicated 220V electrical power source. A favorite option for systems in a leased space, SE generators allow an investment to stay within the practice as opposed to investing money into leased property.

**Automatic Exposure Control (AEC)** is a premier option. The generator predetermines the kVp for the selected anatomical view and then terminates the exposure when the proper film density has been met. A post-mAs readout for the exposure is then displayed on the operator console. AEC offers convenience and eliminates radiographic technique errors where pathology is present. With the future in mind, every HCMI 100 kHz generator comes equipped for a simple AEC upgrade to existing systems.

**The future will certainly bring changes to the radiographic industry.** Manufacturers are making great strides in developing new film/screen combinations and perfecting digital radiography. The future holds implementation of new technologies into existing chiropractic offices. The x-ray generator will determine the capabilities and limitations of the x-ray system. HCMI 100 kHz generators combine numerous mA stations, a quartz accurate timer and 100 kHz technology to insure complete system compatibility with future imaging technologies. No other x-ray generator offers more mAs combinations than the HCMI 100 kHz generator. An HCMI 100 kHz x-ray system will meet today's needs and undoubtedly will meet the needs of the 21st century.



Optional V79M17 Upright Frame

Optional A-79T17 Tilting Bucky and T-4 Transverse Travel Tube

## HCMI Chiropractic X-Ray Systems

- 14 x 17 x-ray system with 100 kHz generator & fractional focal spot x-ray tube
- 14 x 36 x-ray system with 100 kHz generator & fractional focal spot x-ray tube
- 14 x 17 tilting bucky x-ray system with 100 kHz generator & fractional focal spot x-ray tube

### HCMI 100 kHz Generators With Anatomical Programming

Model	mA Range	kVp Range
HF-300	25 - 300	40 - 125
HF-600	25 - 600	40 - 125
HF-3SE	25 - 300	40 - 125



*X-Ray Is Not Just A Purchase, It's An Investment*