Not All “High Frequency” Generators Are Alike
The HCMI 100 kHz generator produces true high frequency power. More power-
ful 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

<table>
<thead>
<tr>
<th>Model</th>
<th>mA Range</th>
<th>kVp Range</th>
<th>Power Requirement</th>
<th>kW rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF-300</td>
<td>25 - 300</td>
<td>40 - 125</td>
<td>100 amps, 240 VAC</td>
<td>30</td>
</tr>
<tr>
<td>HF-600</td>
<td>25 - 600</td>
<td>40 - 125</td>
<td>120 amps, 240 VAC</td>
<td>37.5</td>
</tr>
<tr>
<td>HF-3SE</td>
<td>25 - 300</td>
<td>40 - 125</td>
<td>110 VAC, 15 amps</td>
<td>30</td>
</tr>
</tbody>
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Commitment to Chiropractic excellence is evident throughout the HCMI product line of
adjusting tables, traction tables, physical therapy equipment and 100 kHz high frequency radiographic systems

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

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.
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

Optional V79M17 Upright Frame
Optional 4-79T17 Tilting Bucky and 4-74 Transverse Tilt Tube

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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 then 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 assure 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:

1. Step One - Select the anatomical region
2. Step Two - Select the radiographic view
3. 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 mA 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.