Small, powerful high-frequency X-ray unit
Gierth TR 90/30

Maximum power - minimum size and weight:
The small, very light TR 90/30 takes high-quality X-rays and is supplied in a practical transport case. The user-friendly operation and the integrated interface for using the X-ray machine with a digital system make it a popular device for mobile and stationary radiography. The TR (Tough Ray) device also has a "low line voltage" function that easily compensates for current fluctuations. The housing transmission radiation is significantly below the legally prescribed limit value. The TR 90/30 has a 2-stage power burst system, which is capable of representing bone and soft tissue structures equally in the highest quality.

- High-frequency X-ray generator with full bridge inverter system
- Only weighs 6.5 kg
- Serial interface for connecting with digital radiography systems
- Scaled collimator to adjust the size of the light indicator field
- Light field indicator can be activated via the hand switch
- Acoustic and optical timer signal and much more

For use in veterinary medicine and NDT sector

Order No. AP2300
Small, powerful high-frequency X-ray unit **Gierth TR 90/30**

**Scope of delivery**
- X-ray machine TR 90/30
- Aluminum carrying case
- 2-stage hand trigger switch

**Short description**
- High-frequency X-ray generator with full bridge inverter system
- Only weighs 6.5 kg
- Serial interface for connecting with digital radiography systems
- Collimator with scale to adjust the size of the light field indicator
- Light field indicator can be activated via the hand switch
- Acoustic and optical timer signal
- 5 memory buttons
- Dual laser pointer
- Digital display „X-RAY“, „READY“ and „ERROR“
- Tape measure for film-focal spot distance
- Aluminium casing
- Robust and innovative impact-resistant construction

**Technical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inverter frequency</td>
<td>100 kHz</td>
</tr>
<tr>
<td>Power requirement</td>
<td>1.8 kVA</td>
</tr>
<tr>
<td>Output in 2-kV Steps</td>
<td></td>
</tr>
<tr>
<td>40 – 60 kV = 30 mA (max.)</td>
<td></td>
</tr>
<tr>
<td>62 – 70 kV = 25 mA (max.)</td>
<td></td>
</tr>
<tr>
<td>72 – 80 kV = 20 mA (max.)</td>
<td></td>
</tr>
<tr>
<td>82 – 90 kV = 15 mA (max.)</td>
<td></td>
</tr>
<tr>
<td>X-ray tube</td>
<td>XDT – F90</td>
</tr>
<tr>
<td>Focal spot</td>
<td>0.8 mm x 0.8 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>6.5 kg including collimator</td>
</tr>
<tr>
<td>Dimensions L x W x H</td>
<td>300 mm x 188 mm x 172 mm</td>
</tr>
<tr>
<td>Total filtration</td>
<td>2.7 mm Al</td>
</tr>
</tbody>
</table>

Please visit [www.or-technology.com](http://www.or-technology.com) for more details

**Specifications subject to revision without notice**

The editor strives to impart correct and up to date information. The provided specifications are based on current knowledge and are subject to revision without notice. This brochure is subject to correction. The editor assumes no responsibility for the information being up to date, correct and complete. All furnished logos, pictures and graphics are property of the particular company and subject to copyright of the licensor. Use, dissemination, distribution or copying of the pictures, logos or text compiled or processed by the editor is subject to our written consent. All rights reserved.

OR Technology (Oehm und Rehbein GmbH), 18057 Rostock, Germany, Neptunallee 7c
Info-Hotline: +49 381 36 600 600, info@or-technology.com, www.or-technology.com