



# BEBIG

Affordable healthcare for everyone



Efficient application of superficial  
X-ray therapy

## Efficient application of superficial X-ray therapy

Superficial X-ray therapy units of the type Womed T-105 are intended for superficial treatments in a range of 10 to 100 kV. The unit consists of a mobile trolley with a mounted X-ray tube stand arm.

The tube head is mounted on a spring arm and can be turned in two axis. The spring arm itself supports easy height setting. A clamping mechanism allows that the preselected stand position remains stable for the treatment of the standing, sitting or lying patient.

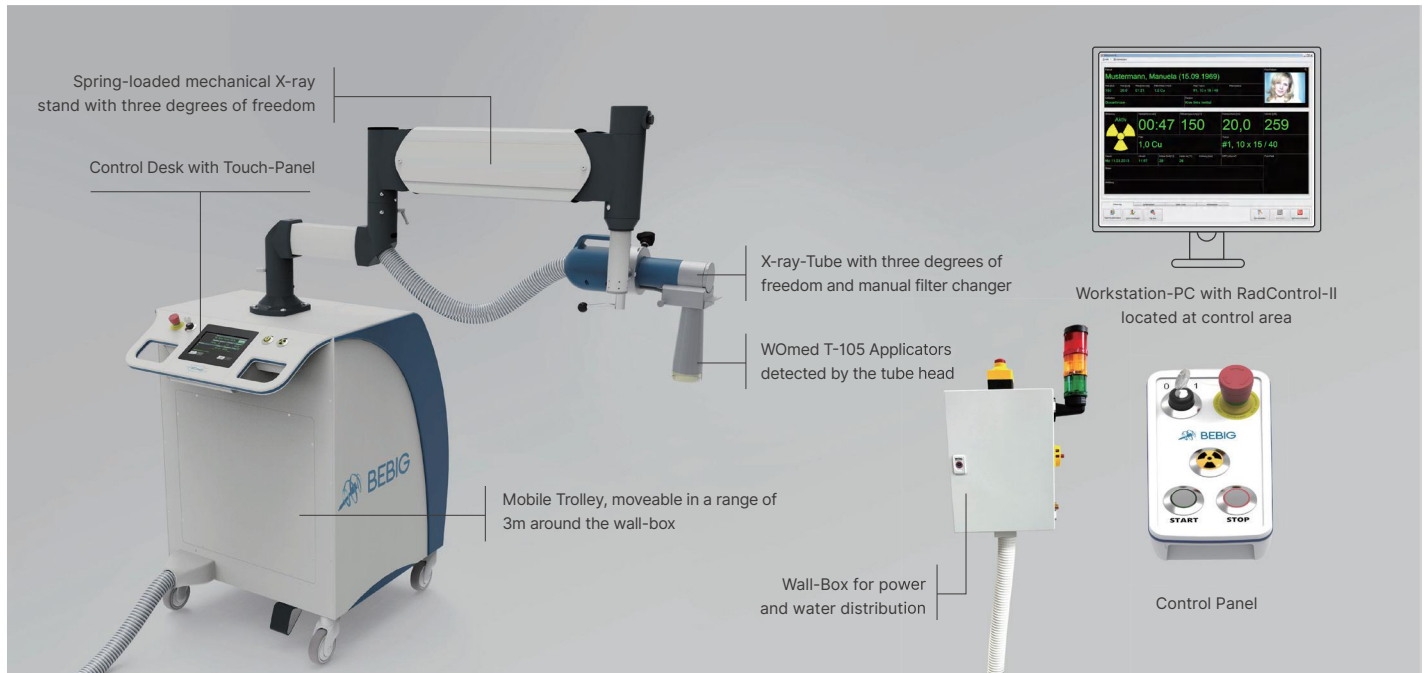
Directly at the tube head, the manual selection of one of the four filters is possible. In combination of high-voltage and tube current parameters as well as the additional filtration up to 20 different radiation qualities could be used.

The Womed T-105 system allows the setup of up to 14 different applicators with various circular field sizes and Focal Skin Distances (FSD).

The Treatment delivery unit is permanently connected to a wall box inside the treatment room. A separate control desk and a Workstation-PC allow the operation from a shielded control area.

The Womed T-105 system is fully compatible to our Verification- & Record-System RadControl-II for treatment planning and documentation.

### System Structure



### Applicators

Advanced precision of adjustments by:

- Shielded applicator body made by stainless steel and acrylic lead calotte
- Transparent calotte with centering cross
- Applicator recognition on the system
- Applicator enabling for defined clinical treatment energies
- FSD 15, 25 and 30 cm with circular fields



### Safety interlocks

Permanent process monitoring before and during irradiation

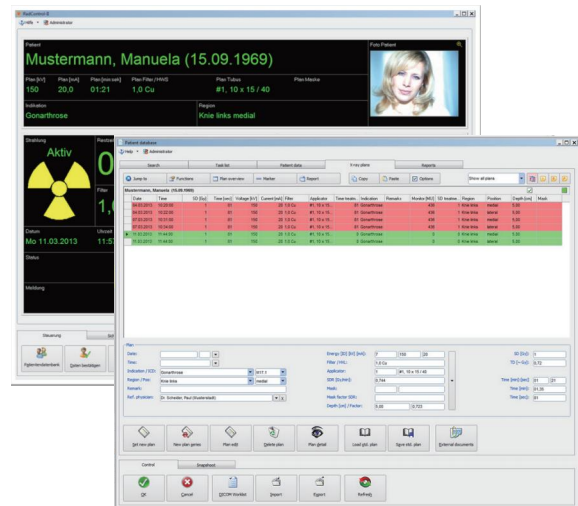
- Quality of the X-ray radiation
- Filter and applicators
- High voltage and tube current
- Time-controlled irradiation with second safety clock
- Cooling surveillance
- Door monitoring
- Mains voltage supply monitoring

### Record-& Verification system RadControl-II

- Visualization of machine process
- Operations software for the whole X-ray therapy process
- Integrated Patient- and Plan-database
- User-Management, Reports, Data Import
- Connectivity options to OIS via DICOM Worklist and DICOM MPPS

### Operating Console

- Workstation PC for entire system controlling
- Control panel with integrated emergency stop function
- System can be blocked by key switch
- "Readiness" and "Radiation" signaling lights



RadControl-II GUI and Patientdatabase

### System Specifications

Technical Data	WOMed T - 105
High Tension	10...100 kV
Max. Tube Current	12 mA
Max. Output Power	1.200 W
Cooler-Technology	Two-circuit (water-water)
Filter-Changer	Manually, 4 physical filters supported
Numbers of selectable clinical energies [kV / mA / Filtration]	20
Standard Energiesetup* [kV / mA / Filtration / 1st HVL]	10kV / 5mA / 1.0mm Be / 0.10mm Al 30kV / 10mA / 0.5mm Al / 0.36mm Al 50kV / 10mA / 1.0mm Al / 1.00mm Al 100kV / 12mA / 0.5mm Cu / 0.45mm Cu
Numbers of Applicators	14
Standard Applicator Set* [field size in cm / Focal-Skin-Distance in cm]	d1/15, open, max. 50 kV d2/15, open, max. 50 kV d3/15, open, max. 50 kV d4/15, closed, max. 100 kV d5/15, closed, max. 100 kV d7/25, closed, max. 100 kV d10/30, closed, max. 100 kV
Stand Option	Mobile trolley with X-ray stand arm connected to Wall box (3m range), manual movements, manual locks
Mains	1~PEN 230 V AC, 16 AT
Country of Origin	Germany

\*other energies and applicator sizes available on request



CE2265

**Production**

- Berlin, Germany
- St. Gangloff, Germany
- Mount Vernon, NY, USA
- Shanghai, China

**Distribution**

- Berlin, Germany
- Mount Vernon, NY, USA
- Shanghai, China
- Singapore
- New Delhi, India

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