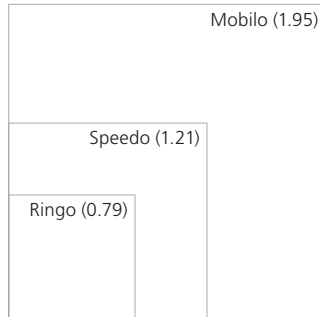


BEAMSCAN[®]

Overview

Footprint (m²)



Speedo



Ringo



Mobilo



Best for

Facilities and multi-user departments with a wide, varied range of linacs, which use their water phantom primarily in-house or on site

Clinical sites with exclusively or predominantly ring-gantry linacs, which need a dedicated, yet expandable solution

Hospital networks, satellite clinics, or medical physics consultants that share equipment and/or require mobile use of their water phantom

Supported Treatment Machines

| | | | |
|-------------------------|---|---|---|
| C-arm linac | ● | ○ | ● |
| Ring-gantry linac | ○ | ● | ● |
| SRS linac | ● | ○ | ● |
| GammaKnife [®] | ● | ○ | ● |
| CyberKnife [®] | ● | ○ | ● |

Setup & Operation

| Design | integrated | modular | modular |
|--------------------------------------|---------------------|---------------------|---------------------|
| Auto leveling on lift | ● | ○ | ● |
| Auto leveling on couch | ○ | ● | ● |
| Wireless auto setup via smart device | ● | ● | ● |
| Wireless operation and data transfer | ● | ● | ● |
| Setup time | < 6 min | < 6 min | < 6 min |
| Ready to scan | < 12 min | + 5 min | + 5 min |
| Footprint | 1.21 m ² | 0.79 m ² | 1.95 m ² |

Advanced Capabilities

| | | | |
|--|---|----|----|
| Reference dose measurements | ○ | ○* | ○* |
| Automatic TPR/TMR measurements | ● | ● | ● |
| Small-field profiles/PDDs | ● | ● | ● |
| Automatic small-field output factor measurements | ● | ● | ● |
| Off-axis profiles | ● | ● | ● |
| Large-field profiles/PDDs | ● | ● | ● |
| Single-point dose measurements | ● | ● | ● |
| Image-based SSD and isocenter check | ○ | ○ | ○ |

Availability: ● included ○ optional – not available or integrated

Description:

Automated 3D Water Scanning Systems
with Wireless Auto Setup and Operation

Applications:

Beam Data Commissioning | Linac Acceptance Testing | TPS Validation | Monitor
Calibration | Beam Tuning | Linac QA | Reference Dosimetry | Small-Field Dosimetry

Major Guidelines:

IAEA TRS-483 | IEC 60731
AAPM TG-51 | AAPM TG-106

| Key Components | Speedo | Ringo | Mobilo |
|---|--------|-------|--------|
| Motorized 3D Water Phantom M | ● | ● | ● |
| Water, Temperature and Pressure Sensors | ● | ● | ● |
| All-in-One Lift with Reservoir | ● | — | — |
| BEAMSCAN Lift | — | ○ | ● |
| BEAMSCAN Reservoir | — | ● | ● |
| BEAMSCAN Control Unit | — | ● | ● |
| BEAMSCAN RL Unit | — | ● | ● |
| Remote Wireless Access | ● | ● | ● |
| WLAN/LAN Interfaces | ● | ● | ● |
| TRUFIX BS Detector Positioning System | ● | ○ | ○ |
| BEAMSCAN Electrometer (IEC 60731) | ● | ● | ● |
| Semiflex 3D Field/Reference Detectors | ● | ○ | ○ |
| BEAMSCAN Software | ● | ● | ● |
| Water Vapor Permeable Dust Cover | ● | ● | ● |

Options

| | | | |
|---|---|----|----|
| Radiation Detectors | ○ | ○ | ○ |
| T-REF Reference Detector for Small-Field Measurements | ○ | ○ | ○ |
| Ring-Gantry Option | ○ | ● | ● |
| Reference Dosimetry | ○ | ○* | ○* |

Optional Accessories

| | | | |
|--------------------------------|---|---|---|
| Smart Device (e.g., iPad mini) | ○ | ○ | ○ |
| Universal Detector Holder | ○ | ○ | ○ |
| BEAMSCAN Lift | — | ○ | ● |
| BEAMSCAN Reservoir | — | ● | ● |
| Validated Transport Packaging | — | ○ | ○ |

Connecting Systems

BNT, TNC, M

BNT, TNC, M

BNT, TNC, M

Services*

| | | | |
|--------------------------------------|---|---|---|
| BEAMSCAN Preventive Maintenance | ○ | ○ | ○ |
| Installation/Implementation Services | ○ | ○ | ○ |
| Dosimetry & QA Training Courses | ○ | ○ | ○ |

*Not all services and options are available in each country. To check availability, contact your local PTW representative.

ptwbeamscan.com

Availability: ● included ○ optional — not available or integrated

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