

**1      \*\*                      **ONC Pinnacle w/Dynamic Plan                      1****  
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Clinical Education Program for Oncology Pinnacle3 Dynamic Planning:

The purchase of Dynamic Planning entitles customers to 3 consecutive, 8 hour days (24 hours total) of education by a Philips Clinical Education Specialist for up to three (3) dedicated therapy staff members, as selected by customer. This course covers new and extended features of Pinnacle3 for radiation therapy treatment planning and clinical use of Dynamic Planning. All lecture/demonstration will assure efficient and competent operational use of Pinnacle3 functionality and Dynamic Planning. Medical dosimetrists, treatment planners, medical physicists and radiation oncologists are the intended audience. This applications training is conducted at the customer's facility. ASRT and/or MDCB CEU credits may be available for each participant that meets the training guidelines provided by Philips. Please refer to the guidelines for more information. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

Note: The North America Clinical Education Specialists for oncology are a team of Certified Medical Dosimetrists with expert level knowledge of the Pinnacle3 product, radiotherapy treatment planning and CT simulation.

Education expires one (1) year from equipment installation date (or purchase date if sold separately). Ref #296265-07082015

**2      \*\*                      **ONC Pinnacle Auto-Seg w-                      1****  
**SPICE**

Clinical Education Program for Oncology Pinnacle3 Auto-Segmentation with SPICE:

The purchase of SPICE entitles customers to 3 consecutive, 8 hour days (24 hours total) of education by a Philips Clinical Education Specialist for up to three (3) dedicated therapy staff members, as selected by customer. This course covers new and extended features of Pinnacle3 for radiation therapy treatment planning and clinical use of Auto Segmentation with SPICE. All lecture/demonstration will assure efficient and competent operational use of Pinnacle3 functionality and Auto Segmentation with SPICE. Medical dosimetrists, treatment planners, medical physicists and radiation oncologists are the intended audience. This applications training is conducted at the customer's facility. ASRT and/or MDCB CEU credits may be available for each participant that meets the training guidelines provided by Philips. Please refer to the guidelines for more information. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

Note: The North America Clinical Education Specialists for oncology are a team of Certified Medical Dosimetrists with expert level knowledge of the Pinnacle3 product, radiotherapy treatment planning and CT simulation.

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### **Pinnacle Professional Server**

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Pinnacle Professional is a departmental computing system for Philips Pinnacle3 radiation therapy planning software. Pinnacle Professional is a single integrated computer providing data storage, fileserver and computing functionality. Users access the system via thin clients or virtual desktop PC's (sold separately). Pinnacle Professional Specifications (subject to change):

- Hardware platform: Oracle Sun Server X4-2
- Rack-optimized 1U chassis form factor and rack mounting equipment
- 160 GB of physical RAM (10 x 16GB DDR3-1600)
- Two (2) 10-Core Intel Xeon E5-2690 (3.0 GHz, 20 MB level 3 cache) processors
- Sun Storage 7410 RAID adapter (512MB cache, 6Gb SAS, PCIe)
- Dual, redundant 120/240 VAC power supplies
- Network-based remote power control and console capability (ILOM)
- Cable management arm and slide rail kit for racking of equipment in customer data center
- Four 100/1000/10,000 Mbps network ports
- External DVD drive and USB Y cable
- Data storage specifics: Five (5) 1.2TB hard disk drives; configured in a RAID storage array with a single hot-spare hard drive. This configuration will yield roughly 2.3TB of usable space, which will contain the Solaris Operating Environment, storage for patient data, Pinnacle binaries, and user home directories. Patient data, home directories, and the Pinnacle software are stored on the RAID-5 internal storage system.
- The /PrimaryPatientData, /export, and /files file systems will use the ZFS file system.
- Professional is designed to be installed in a data center environment or a suitable mobile enclosure

Pinnacle Professional server includes DICOM and DICOM RT software for Pinnacle (import and export). Refer to the current Pinnacle DICOM Conformance Statement for details.

All other software licenses must be purchased separately on a per-seat (concurrent usage) basis. All Pinnacle3 software licenses "float" to any access point providing flexibility and accessibility for users.

\*NOTE 1: For best performance, do not open a plan or plans that will exceed the 145GB of physical RAM. System performance will be degraded if all running plans exceed the physical 145GB limit.

\*\*NOTE 2: System performance can be degraded if the system thread limit (32) is exceeded. For example, 8 simultaneously calculating SmartArc plans will use 4 threads each, or 36 threads total. Additional activity on the system will cause reduced performance; however remaining under 145GB of RAM is the most important consideration.

NOTE: Delivery lead-times may be 8 weeks or more. Please consult with your local sales representative for available installation dates.

**4      \*\*                                      US/CAN/JPN Power Cords                                      2**  
**US/CAN/JPN Power Cords**  
Contains (2) power cords for connecting SmartEnterprise or Professional systems to a standard wall outlet (NEMA 5-15).

**5      \*\*                                      Professional User Manual ENG                                      2**  
User manual for managing the Pinnacle Professional system – English

**6      \*\*                                      Virtual Client Connection-VCC                                      1**  
Order this product if this PC seat will be a full-time planning seat. Full-time planning seats are determined by the number of software licenses purchased by the customer. Full-time planning seats are used to calculate Pinnacle3 software support contract pricing.  
Order FRT1111 for additional VCC access points (access points above the number of actual Pinnacle3 software licenses).

Provides 1 PC emulation license for a Pinnacle3 user. This kit includes:  
PC emulation software CD

NOTE: The number of virtual client connection licenses may exceed the number of Pinnacle3 (and options) licenses sold, HOWEVER the customer may not use more virtual client connection licenses than the number of purchased Pinnacle3 licenses at any given time (concurrent usage).  
The user provides the PC hardware. Minimum specifications are:

- Windows enabled PC: PC must meet minimum specifications to run Microsoft Windows (Windows XP or newer)
- Apple Macintosh: Macintosh capable of running Mac OSX version 10.6 or later. Note: Mac support for English, French, German and Dutch localized keyboards ONLY.

Common Requirements:

- Available hard disk space to load emulation application (~100MB)
- 1280 x 1024 (or better) high-resolution graphics display system and monitor
- 100 Mb, full duplex Ethernet interface with switched network hub; Minimum 10 Megabit Ethernet connection required.

NOTE: Specific hardware and networking requirements subject to change at any time.

Note: This VCC can be installed on multiple workstations. No additional VCC purchases are required for multiple workstations.

**7      \*\*                                      VCC Extra Access Point                                      3**  
Order this product if this PC seat will be an extra desktop connection license (for convenience) above the number of actual Pinnacle3 software licenses. Extra virtual desktop licenses are discounted in the calculation of Pinnacle3 software support contract pricing.  
Provides 1 PC emulation license for a Pinnacle3 user. This kit includes:  

- PC emulation software CD

NOTE: The number of virtual client connection licenses may exceed the number of Pinnacle3(and options) licenses sold, HOWEVER the customer may not use more virtual client connection licenses than the number of purchased Pinnacle3 licenses at any given time (concurrent usage).

The user provides the PC hardware. Minimum specifications are:

- Windows enabled PC: PC must meet minimum specifications to run Microsoft Windows (Windows XP or newer)
- Apple Macintosh: Macintosh capable of running Mac OSX version 10.6 or later. Note: Mac support for English, French, German and Dutch localized keyboards ONLY.

Common Requirements:

- Available hard disk space to load emulation application (~100MB)
- 1280 x 1024 (or better) high-resolution graphics display system and monitor
- 100 Mb, full duplex Ethernet interface with switched network hub; Minimum 10 Megabit Ethernet connection required.

NOTE: Specific hardware and networking requirements subject to change at any time.

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**v9.10 Software Kit ENGLISH**

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Pinnacle v9.10 Software Kit in English

**Dynamic Planning 810/Expert System License**

Dynamic Planning system license for one Pinnacle3 or AcQSim3 810/Expert System

Pinnacle3 Dynamic Planning is a software option that makes re-treatments and treatment adaptation fast, easy and clinically feasible.

- **Fast Assessment**  
Providing convenient tools for geometric and dosimetric assessment, as well as trending tools allowing visualization of ROI changes over time, Dynamic Planning allows you to evaluate an original treatment plan on a new CT image set and quickly make a decision of whether to re-plan or continue treating with the original plan.  
Both standard fanbeam helical CT and Cone Beam CT (CBCT) are supported.
- **Automate Re-Planning**  
Following assessment, once the decision to re-plan has been made, re-planning can be completed in minutes with just a few mouse clicks.
- **Manage Treatment Plans Over Time**  
Quickly and simply view and navigate among current and previous plans used for the patient with Dynamic Planning's new Record Viewer & Treatment Navigator functions
- **Facilitates Re-Treatments**  
For patients that have been treated previously and present with new symptoms, Dynamic Planning's ability to copy the original plan to a new CT image set makes evaluating the combination of the original treatment and the new plan simple.  
DICOM RT-Dose import is supported from 3 party systems, as is the ability to sum dose on the same image set.

Dynamic Planning is available with Pinnacle3 9.6 version software or greater.

Note: Pinnacle3 9.6 and Dynamic Planning are not compatible with SPARC Workstations or Servers. Please contact your Philips Radiation Oncology Systems sales or service representative for hardware upgrade requirements and options

**IMPORTANT:** A single seat Dynamic Planning license can only be used by the full-time equivalent of a single planner at your site. Additional licenses of Dynamic Planning will need to be purchased if additional planners will be using the application. Your local account executive can assist with the purchase of additional Dynamic Planning licenses.

Auto-Segmentation with SPICE 810/Expert System License

Auto-Segmentation with SPICE system license for one Pinnacle3 or AcQSim3 810/810X/Expert System

Utilizing Philips proprietary “Smart Probabilistic Image Contouring Engine” technology, Auto-Segmentation with SPICE reduces hours of contouring to just a few mouse clicks and improves contouring consistency.

Auto-Segmentation with SPICE is available with Pinnacle3 9.4 version software or greater.

Note: Pinnacle3 9.4 and Auto-Segmentation with SPICE is not compatible with SPARC Workstations or Servers. Please contact your Philips Radiation Oncology Systems sales or service representative for hardware upgrade requirements and options.

**IMPORTANT:** A single seat SPICE license can only be used by the full-time equivalent of a single planner at your site. Additional licenses of SPICE will need to be purchased if additional planners will be using the application. Your local account executive can assist with the purchase of additional SPICE licenses.