

# Providence Newberg Medical Center



S U C C E S S  
S T O R Y

## Providence Newberg Medical Center Selects Epson for Reliable, Cost-effective Disc Publishing.

*“MediaWriter and Discproducer provide a very reliable system for our Medical Center, where we output up to 200 discs per week.”*

Jesse Stanchfield  
PACS Analyst  
Providence Newberg  
Medical Center



*Epson's Discproducer disc publisher is built with Epson's world-renowned robotics and printing technologies.*

*Providence Newberg Medical Center is part of Providence Health & Services in Oregon, the state's second largest private employer. It opened in 2006 with a hospital, healing and wellness garden and medical office building and is the first LEED (Leadership in Energy and Environmental Design) gold-certified center in the United States.*

### **Current image management system needed updating**

Since Providence Newberg Medical Center opened its doors, it has been standard operating procedure for the hospital to burn and print discs from diagnostic imaging to distribute to outside organizations and physicians. The challenge was keeping up with the number of medical images, including ultrasound, magnetic resonance, PET, endoscopy and mammograms. The time had come to find a faster, more efficient and less costly method to combine data from multiple sources and burn them to CDs and DVDs.

### **Reliability most important feature**

To keep up with high-volume image distribution, the medical center required a more intuitive, cost-effective and reliable system. “Our existing disc publishing solution had trouble communicating with us,” said Jesse Stanchfield, PACS (Picture Archiving and Communication System) analyst at Providence Newberg Medical Center. “Like an uncooperative patient, the

device had no way of letting us know about periodic malfunctions, except to abruptly stop in the middle of a busy shift, after which we had a difficult time getting it up and running again.”

### **Affordable, reliable disc publishing**

The medical center selected PACSGEAR MediaWriter™ D200, a software/hardware solution that includes an Epson Discproducer that writes DICOM (Digital Imaging and Communications in Medicine) studies and reports to discs with just one click to create a complete and portable medical record. In addition, MediaWriter includes an integrated viewer, so patients and physicians can view their studies and reports anywhere.

### **Putting partnership to work**

“MediaWriter D200 is the result of a successful partnership of PACSGEAR and Epson,” said K. Thomas Pickard, Vice President, Marketing and Business Development at PACSGEAR, Inc. of Pleasanton, CA. “We selected Epson's Discproducer disc publisher after an extensive evaluation and concluded that it would best meet the reliability standards of our customers.” An Epson Premier Envision Business Partner, PACSGEAR is a leader in multi-department PACS connectivity. The MediaWriter solution, incorporating Discproducer's precision robotics and advanced printing, gives image-intensive departments a distribution system that is easy to configure, deploy and maintain.

### More benefits with Discproducer

As part of the MediaWriter D200 solution, Discproducer includes a built-in Epson inkjet printer with Epson's patented MicroPiezo® technology. The six-color printer allows the hospital's imaging department to print discs with crisp, clear text and high-quality graphics at up to 1400 x 1440 dpi resolution. Stanchfield especially appreciates the LED readout for each color, so he can prevent the printer from unexpectedly running out of ink. And with Discproducer's advanced AcuGrip™ robotics arm two-disc feeding that can damage discs or jam the system has been virtually eliminated.

#### HIGHLIGHTS

- PACSGEAR MediaWriter D200 uses Epson Discproducer to burn and print up to 100 discs on demand.
- Discproducer's printer uses 6 colors to deliver crisp text and vibrant graphics.
- Discproducer's AcuGrip™ robot technology virtually eliminates two-disc feeding.

### MediaWriter with Epson's Discproducer is the answer

"MediaWriter with the Epson Discproducer has turned out to be a very reliable solution for Providence Newberg Medical Center, where our disc output can be up to 200 per week," said Stanchfield. "And we also find it very easy to configure any customized CD/DVD labels that we may need," he said.

### Easy to use and easy to maintain

A big improvement for Providence Newberg was the front-loading ink cartridges. When the old disc publisher ran out of printer ribbon, it was difficult to access the side door to make the switch. "Not only was there no warning to change the ribbons, but we had to turn the unit around to make the switch," said Stanchfield. "Then, if we knocked one of the cables loose, it would take several reboots to get the system up again." Today, he can easily change ink cartridges from the front of the machine without disrupting the workflow.

### Medical image management that is right for today and tomorrow

"Whether we're preparing a disc for a patient, doctor or organization, MediaWriter D200 with Epson's Discproducer plays a very important role in our PACS solution," said Stanchfield. Just as the facility has made great strides as one of the "greenest" hospitals in the country, Providence Newberg Medical Center is also moving ahead in medical image management.

#### EPSON SOLUTION PARTNER

##### Hardware and Software:

Epson Discproducer disc publisher and PACSGEAR MediaWriter D200 imaging system



*Providence Newberg Medical Center is a state-of-the-art medical facility and the one of the greenest medical centers in the United States.*