



Pharos Systems

# Uniprint

**TRACSYSTEMS, inc.**

## *A true “win-win” A victory for your school...*

Pharos Uniprint is a time-tested software solution that helps you recover printing costs and virtually eliminate printing abuse by transferring printing accountability to students. In effect, Uniprint makes students more responsible by giving them control over what they print and ultimately, what they pay for.

## *... and a victory for your students*

Experience has proven time and again that once implemented, students benefit from and embrace the Uniprint solution. Students have stated that Uniprint's simple print submission workflow and flexible output options far outweigh the minimal amount they may be asked to pay.

Students send documents from any connected computer workstation to any networked printer in your lab/library. Vital statistics for each document such as number of pages, type of printer, and finishing options are held at a Release Station near the selected printer. At the students' convenience, they view the printing cost at the Release Station and make the final determination to print or cancel the job.

For payment, students swipe a card or authenticate through the university's online system.\* Once payment is made, students simply pick up the completed document from the specified printer.

*\*Payment methods may be customized to meet specific requirements.*



Better service.

Less waste.

Print cost recovery.

More control.

Satisfied students.

You can

have it all.

# Pharos Uniprint

## *Put our experience to work for you*

Pharos Systems pioneered cost recovery software in the higher education marketplace ten years ago and we continue to lead the industry today. No other provider can match the level of experience, knowledge, and development expertise that we apply to our solutions.

Uniprint is proven, fifth-generation software that has consistently demonstrated its reliability and efficiency across campuses of all types and sizes. With Uniprint, you can be confident your network is safe, your workflow is streamlined, and your libraries and computer labs are recovering costs and eliminating printing abuse.

## Uniprint features

- **Accounting/pricing** – accurately accounts for and prices print jobs by attribute, device, and volume, providing detailed information while minimizing the processing time and delay to users.
- **Campus card support** – supports the widest range of card manufacturers and technologies including magnetic cards, smart cards, and online billing systems.
- **Reports** – offers a large library of standard reports and integrates with Crystal Reports so you can easily create your own.
- **Popups/notification** – collects additional information from client workstations during printing, then provides customized feedback.
- **Document routing** – intelligently routes jobs to the best available printers and around inactive printers.
- **Gateways** – integrates easily into your environment by connecting to external data sources such as authentication services, online card systems, and other back-office systems.
- **Security** – uses 128 bit industry standard encryption and password protection to ensure sensitive data remains confidential.
- **Scripting** – enables easy modification of most aspects of operation – from customized messages to sophisticated integration and control.
- **Plugins** – allows you to extend or change the functionality of the software using your favorite programming language.

**“Pharos’ Uniprint has enabled Marquette University to lower printing costs, improve printing services, and reduce waste by over 40%.”**

Marc Belanger, Campus Card Service Administrator  
Marquette University

## Uniprint benefits

- **Cost recovery** – curtails skyrocketing costs of uncontrolled printing. Increases individual awareness and accountability and optionally charges students for their printing expenses.
- **Significant waste reduction** – Many universities have proven that printing can be reduced by 50% or more.
- **More informed decision-making** – ensures technology purchasing decisions are based on accurate volume tracking.
- **Higher level of service for students** – improves printer uptime, shortens the time students must wait in line, and provides them with greater control over what they print.
- **Improved asset utilization** – automatically routes jobs to the most appropriate printer based on attributes like volume, finishing/color options, and around jammed/broken printers.
- **Better use of staff time** – automated online or cash payments improves productivity and ensures library/lab staff can concentrate on core activities rather than student printing.
- **A solution that grows** – scalability from a single lab to a campus-wide solution means that Uniprint can evolve with your needs.

### TRACSYSTEMS inc. -

*The goal of TRACSYSTEMS, inc. is to help organizations become as efficient as possible by providing the latest in cost allocation and payment systems technology. We have over 20 years of experience in University and Public Library markets. By integrating TRACCARD payment terminals with Pharos software, TRAC has created the true “ONE CARD SYSTEM” with a library/debit card or online payment system using your existing ID card. Payment for copies, prints, fines and fees are all done electronically.*

#### Campus Card Support

- Payment Options
  - Bills/Coins
  - Stored Value Debit Cards (offline)
  - Online Accounts (Pharos Internal, 3rd party)
- LMS/Patron Database Support
  - SIRSI/DRA, III, GEAC, Dynix, epixtech, Pinnacle
  - SIP1, SIP2, ODBC compliant systems
- Online Billing Systems
  - Diebold, CBORD
  - Blackboard Transaction System™ (Choice of UNIX Edition or Windows Edition)
- Card Types Supported
  - Magnetic Stripe – Bar Code – Smart Cards
- Card Vendors Supported list at [www.pharos.com](http://www.pharos.com)

- Authentication
  - Microsoft Windows NTDS, ADS
  - LMS (see LMC/Patron Database Support)
  - Username/Password/PIN
  - LDAP (call for details)

#### Compatibility

- Print Languages (PDLs)
  - PostScript 3, 2, 1 – PCL XL, 5Ce, 4, 3
  - PDF – HP GL/2, HP RTL
  - ESC/P2, Text
- Networks/Protocols
  - Includes Windows, Novell Netware, TCP/IP, AppleTalk, Terminal Services
- Popup Support
  - Windows XP Professional, 2000, NT, Me, 98, 95
  - Mac OS X, 9.x, 8.1-8.6
  - Terminal Services

- Reports
  - 41 Standard Reports
  - RTF, HTML, CSV, MSExcel, MSWord
  - User Customizable reports<sup>2</sup>
- Melinda&Bill Gates Foundation approved application

#### Hardware Specifications

- Print Server/Database Server Requirements
  - Pentium III+
  - Windows XP Professional, 2000 or NT 4.0 Server
  - 512+ MB of RAM and 2-10+GB of disk space
  - MS SQL Server 2000, 7.0, or MSDE<sup>1</sup> (only 1 req.)
- Release Station(s)
  - Intel Pentium II+ or Celeron
  - Windows XP Pro, 2000 NT, Me, 98, 95
  - RAM and Hard Disk – min. required by OS

<sup>1</sup> Included on Pharos Systems CD-ROM free of charge

<sup>2</sup> Requires licensed copy of Crystal Reports

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