



QUBICAAMF



QUBICAAMF
MAKING BOWLING AMAZING

PINSPOTTER UPGRADES

NEVER COMPROMISE



EDGE Pin Handling Upgrade

Pinspotter Upgrades

Because replacement isn't always an option

For some centers, replacing their older pinspotters may not be necessary, or an option. These centers can reap big benefits from new pinspotting technology with our pinspotter upgrade solutions for 82-70, 82-90 and XLi generation pinspotters.



One new technology we are particularly excited to make available to centers operating our legacy pinspotter models is Tech Wizard. Tech Wizard is a pinspotter operational support expert system app that will simplify your pinspotter operations – and it is now included with all our pinspotter upgrade packages.

The following upgrades are offered for AMF and QubicaAMF pinspotters:

- **XLi Electronics Upgrade**
Modern electronics, better operation
- **EDGE Pin Handling Upgrade**
Improve pin handling performance and the guest experience
- **Enhanced Guarding Upgrade**
Increase operational efficiency and workplace safety



What are the benefits of upgrading?

- Deliver a better guest experience through improved reliability
- Easier and more cost efficient pinspotter operation
- Peace of mind through improved workplace safety
- Expert operational support through Tech Wizard



Real-Time Call Alerts & Guidance



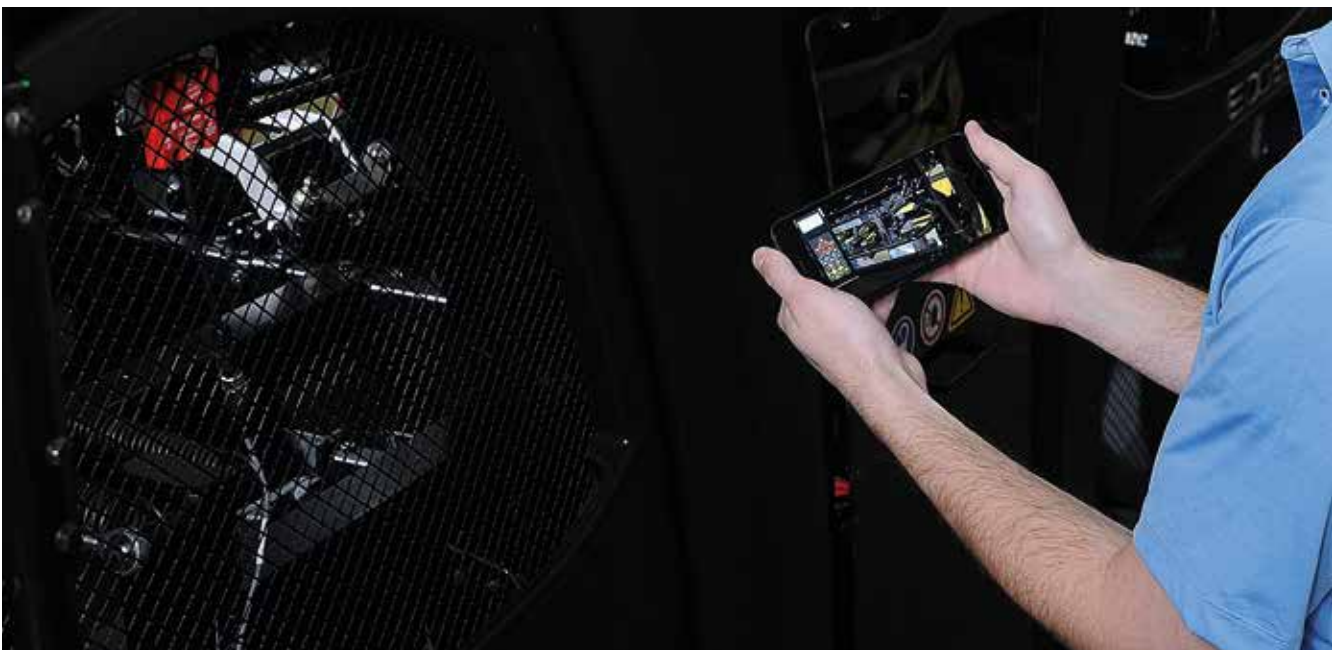
Lane Status Notification for Guests



Maintenance Notification & Instruction



Real-Time Performance Monitoring



"How-To" Video Library



Our Tech Wizard works magic

Tech Wizard¹ is an amazing, industry-first smartphone app that will transform how your staff works with pinspotters. It helps reduce downtime while saving time and money by making pinspotter operation and servicing much easier. It's also ideal for technicians new to bowling, which makes recruiting easier for you.

Features

Real-Time Call Alerts and Guidance

Notifies staff if disruption in play occurs and instructs how to resolve it – quickly. Also, reassures guests by displaying the lane status through the scoring monitors, informing exactly when they can resume bowling.

Maintenance Notifications and Instruction

Proactively advises staff when servicing is due. Plus, indicates what needs to be done, how to do it, and the tools and time required for the job.

“How-To” Video Library

Makes training and maintenance much easier through a library of videos showing how to perform the most common interventions.

Real-Time Performance Monitoring

Gives managers insights into the bowling experience and staff utilization by capturing machine performance and intervention data automatically.



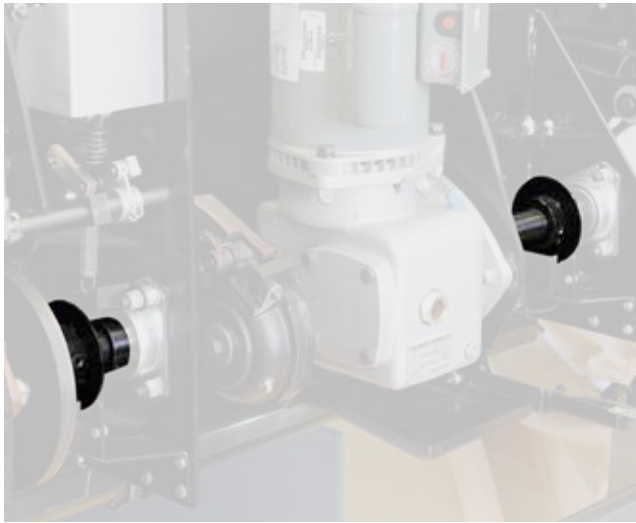
¹ Tech Wizard functionality requires Conqueror X, any tier, with Conqueror Maximization Program (CMP). Tech Wizard functionality varies by type of upgrade. Refer to the details of each upgrade, as outlined in this brochure, for exact functionality available.



XLi Machine Controller & Electronics



New Motors and Gearboxes



Digital Table and Sweep Encoders



Distributor Drive Shaft Guard



CenterPunch LED Pin Lighting



Tech Wizard



XLi Electronics Upgrade

Modern electronics, better operation

Electrical problems can mean downtime, added maintenance costs and frustrated guests. Even if you are not struggling with these issues there are many benefits to updating your pinspotter controls and electronics.

Benefits

- Improve consistency of the guest experience
- Reduce parts and labor expenses associated with costly older electronics
- Enhance customer service and staff efficiency through Tech Wizard
- Establish a foundation for the EDGE Pin Handling upgrade and additional Tech Wizard benefits

What's included:

XLi Machine Controller and Electronics

Replaces the old pinspotter controller, all wiring, and solenoids. Adds a handheld control unit which enables easier servicing from the front of the machine. E-Stop control added to front and rear of the machine pairs.

Digital Control of Table and Sweep Movement

Maintenance-free encoders replace mechanical sweep and table cams/switches, eliminating 6 adjustments.

New Motors and Gearboxes

For 82-70 pinspotters the front and backend motors and gearboxes are replaced. The back-end motor orientation changes to mirror 82-90 and later models, eliminating potential damage from falling pins.

For 82-90 pinspotters just the front-end motors and gearboxes are replaced.

Distributor Drive Shaft Guard

Prevents contact with the rotating distributor drive shaft universal joint.

CenterPunch LED Pin Lighting

Replaces the conventional pin lighting. Illuminates pins with endless colors and dynamic effects that react to on-lane events like strikes, spares and gutter balls.

Tech Wizard¹

This industry-first smartphone app makes pinspotter operation and servicing easier and more efficient, saving time and money. Tech Wizard¹ delivers:

- Real-time operational call alerts
- Lane status notification for guests
- Real-time performance monitoring

Tech★Wizard

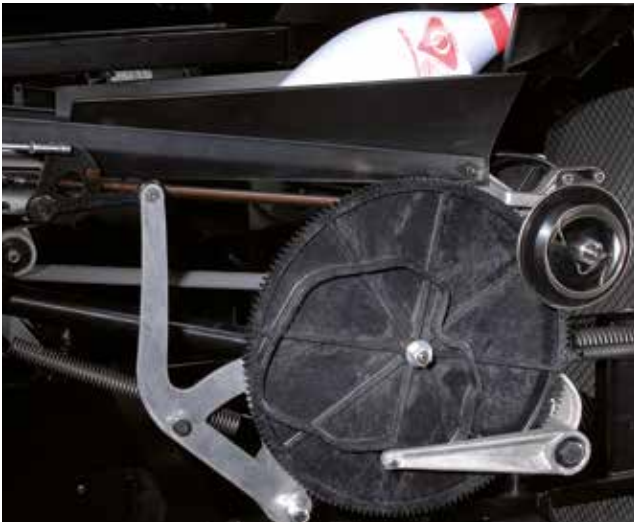
¹Tech Wizard functionality requires Conqueror X, any tier, with Conqueror Maximization Program (CMP) and the pinspotters must have Q-Vision cameras.



EDGE Performance Lift



Durabin Pin Storage



EDGE Distributor Cam for Durabin



EDGE Suttle Rod and Spring



Enhanced Guarding



Tech Wizard



Available for:
XLi, 82-70 and
82-90 with XLi Upgrade

EDGE Pin Handling Upgrade¹ Add a lift to your pin handling

Short of new machines, this is the best way to boost pin handling reliability and workplace safety. And improve customer service and make operation easier and more efficient through Tech Wizard.

Benefits

- Improve the guest experience – up to 80% reduction in pin-feed issues, pileups and jams
- Reduce parts and labor costs by eliminating 7 adjustments and 135 wear parts
- Increased pin life through gentler pin handling
- Enhance customer service and staff efficiency through Tech Wizard
- Peace of mind through enhanced machine guarding

What's included:

EDGE Pin Handling System

The EDGE Pin Handling System includes:

- *EDGE Performance Lift*. Replaces pinwheel. Eliminates 7 adjustments and surfaces that can damage pins.
- *Durabin Pin Storage*. Replaces old pin storage bin with Durabin. Eliminates 135 wear parts.
- *EDGE Distributor Cam for Durabin*. Drives precise distributor movement and pin placement accuracy.
- *EDGE Shuttle Rod and Spring*. Stronger shuttle rod and spring reduces double shuttling and pin jams.

Enhanced Guarding

Brings older pinspotters in line with today's norms through a combination of fixed and interlocked guarding and safe work practice tools. See *Enhanced Guarding Upgrade* section of this brochure for details on what is included (page 11).

Tech Wizard

This industry-first smartphone app makes pinspotter operation and servicing easier and more efficient, saving time and money. Tech Wizard² delivers:

- Real-time operational call alerts
- Operational call guidance
- Lane status notification for guests
- Real-time performance monitoring
- Scheduled maintenance notification and guidance
- "How-To" video library

Tech  Wizard

¹ The EDGE Pin Handling Upgrade is not available for sale in European Union (EU) countries.

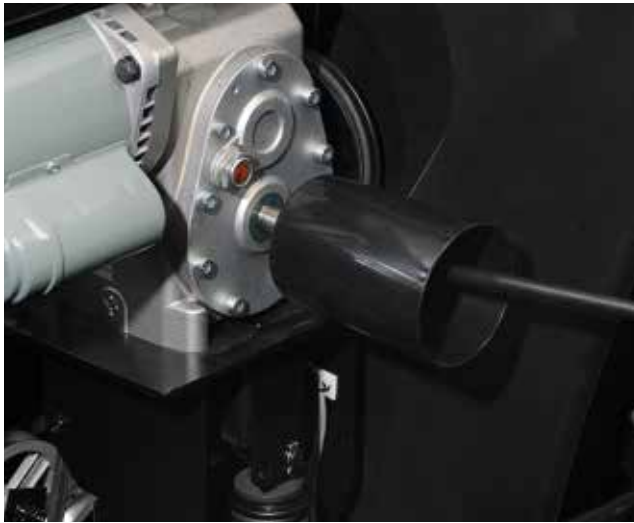
² Tech Wizard functionality requires Conqueror X, any tier, with Conqueror Maximization Program (CMP) and the pinspotters must have Q-Vision cameras.



Interlocked Center Guard



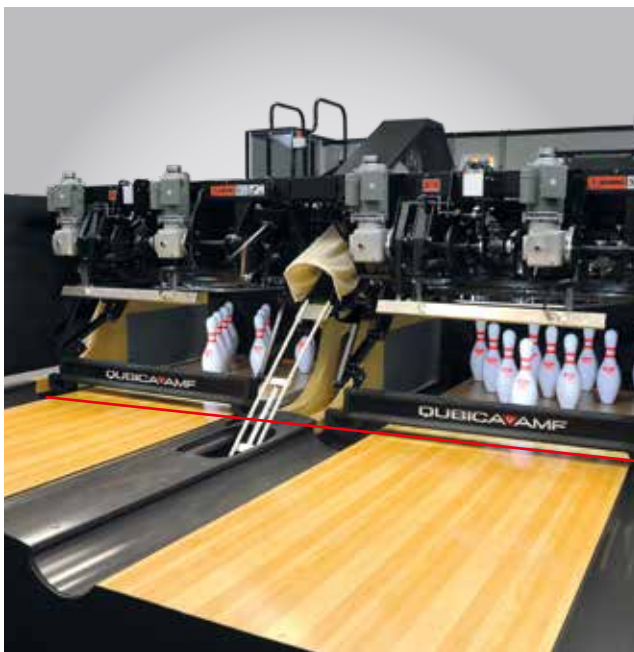
EDGE Lift Top Guard and LBS Guard



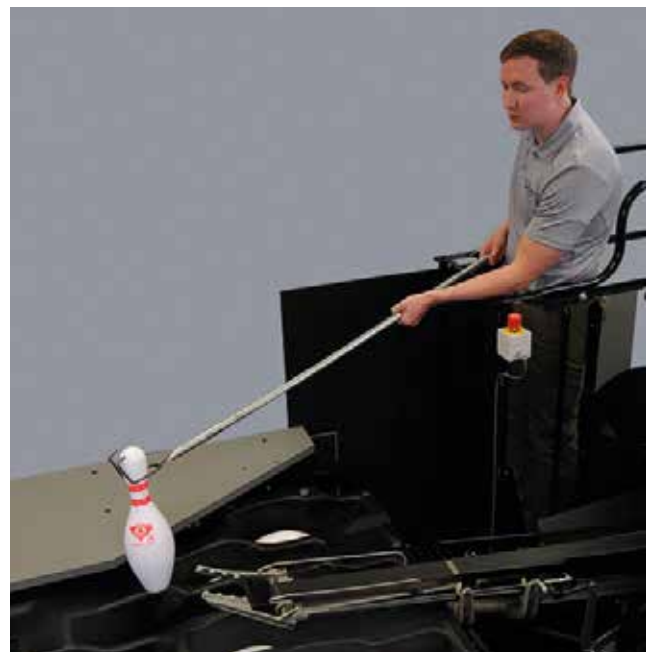
Distributor Drive Shaft Guard



PBL Guard



Front-of-Machine Dividers and Front Entry Encroachment Barrier



Protected Access Zones and Pin Hook



Available for:
XLi EDGE and XLi, 82-70 and
82-90 w/EDGE Pin Handling

Enhanced Guarding Upgrade

Safety first, success forever

Workplace safety and operational efficiency are essential to the long-term success of any business. This upgrade delivers both.

Benefits

- Additional peace of mind through enhanced machine guarding
- Enhance customer service and staff efficiency through Tech Wizard

What's included:

Enhanced Guarding

The Enhanced Guarding¹ includes:

- *Interlocked Center Guard*. Prevents contact with moving parts. Stops machine pair operation if removed.
- *EDGE Lift Top Guard*. Extends across the top of the EDGE Lift, preventing contact with moving parts.
- *LBS Guard*. Prevents contact with moving parts in the lower ball lift area.
- *PBL Guard*. Prevents contact with moving parts in the upper area of the ball lift area.
- *Distributor Drive Shaft Guard*. Prevents contact with the rotating distributor drive shaft universal joint.
- *Front-of-Machine Dividers*. Safely work on machines from the front with bowlers on adjacent lanes.
- *Front Entry Encroachment Barrier*. Shuts off machine pair if guest or staff encroaches from the front.
- *Protected Access Zones*. Safe access for

interventions that must be performed at the top of the machines.

- *Pin Hook*. Helps staff safely manipulate bowling pins during ordinary operation.
- *Lane Barriers*. Block the lanes being serviced, adding an extra margin of safety.
- *LOTO Kit*. Lock out pinspotters so they can't be accidentally powered up while servicing is underway.

Tech Wizard

This industry-first smartphone app makes pinspotter operation and servicing easier and more efficient, saving time and money. Tech Wizard² delivers:

- Real-time operational call alerts
- Operational call guidance
- Lane status notification for guests
- Real-time performance monitoring
- Scheduled maintenance notification and guidance
- "How-To" video library

Tech  Wizard



Lane Barriers



LOTO Kit

¹The Enhanced Guarding Upgrade is not available for sale in European Union (EU) countries.

²Tech Wizard functionality requires Conqueror X, any tier, with Conqueror Maximization Program (CMP) and the pinspotters must have Q-Vision cameras.

Choose QubicaAMF Upgrades

Transform your pinspotter performance

Breathe new life into your pinspotters with upgrade packages from QubicaAMF. They're one of the best ways to boost reliability, efficiency, safety, and enable your staff to provide better customer service. Compromise no more!

CONTACT US TODAY
QUBICAAMF.COM – INFO@QUBICAAMF.COM

QubicaAMF Pinspotter Upgrade Packages - Features & Benefits

Upgrade Benefit	XLi Electronics	EDGE Pin Handling	Enhanced Guarding
Better Guest Experience			
Eliminate frustration, downtime, and high parts costs of older pinspotter electronics	•		
More uptime due to better pin handling—up to 80% improvement		•	
Add amazing visual impact with CenterPunch LED deck light shows and effects	•		
Easier Operation through Tech Wizard¹			
Real-time operational call alerts	•	•	•
Operational call guidance		•	•
Lane status notification for guests	•	•	•
Real-time performance monitoring	•	•	•
Scheduled maintenance notification and guidance		•	•
How-to video library		•	•
Safer Workplace Environment			
Meets today's standards for pinspotter machine guarding		•	•
Combination of fixed and interlocked guarding prevents staff contact with moving parts		•	•
Front entry encroachment barrier prevents staff & bowler contact with moving parts from lane-side		•	•
Lower Cost, More Efficient Operation			
Diagnostics through the XLi machine controller for easier troubleshooting	•		
Eliminates 6 adjustments from the table and sweep system	•		
Back-end motor rotation on 82-70's prevents damage from falling pins	•		
Eliminates 7 adjustments related to pin distribution		•	
Eliminates 135 bin parts, reducing maintenance and costs		•	
Eliminates metal parts on the bin for increased pin life		•	
Eliminates metal parts in the pit area for increased pin life		•	
Easier access to the pit area when servicing is needed		•	

¹ Tech Wizard functionality requires Conqueror X, any tier, with Conqueror Maximization Program (CMP) and the pinspotters must have Q-Vision cameras.



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