# THE GRINDER®

## STATE-OF-THE ART BREAKTHROUGH TECHNOLOGY FOR ART GLASS ENTHUSIASTS & EXPERTS

Manufactured for Worldwide Compatibility

D&L ART GLASS SUPPLY

TECHNIGLASS

MADE IN THE USA

# THE GRINDER®

## STATE-OF-THE ART BREAKTHROUGH TECHNOLOGY FOR ART GLASS ENTHUSIASTS & EXPERTS

An exceptional highly engineered and appointed precision instrument for the professional artist and equally popular with the discriminating hobbyist looking for comprehensive and advanced features.

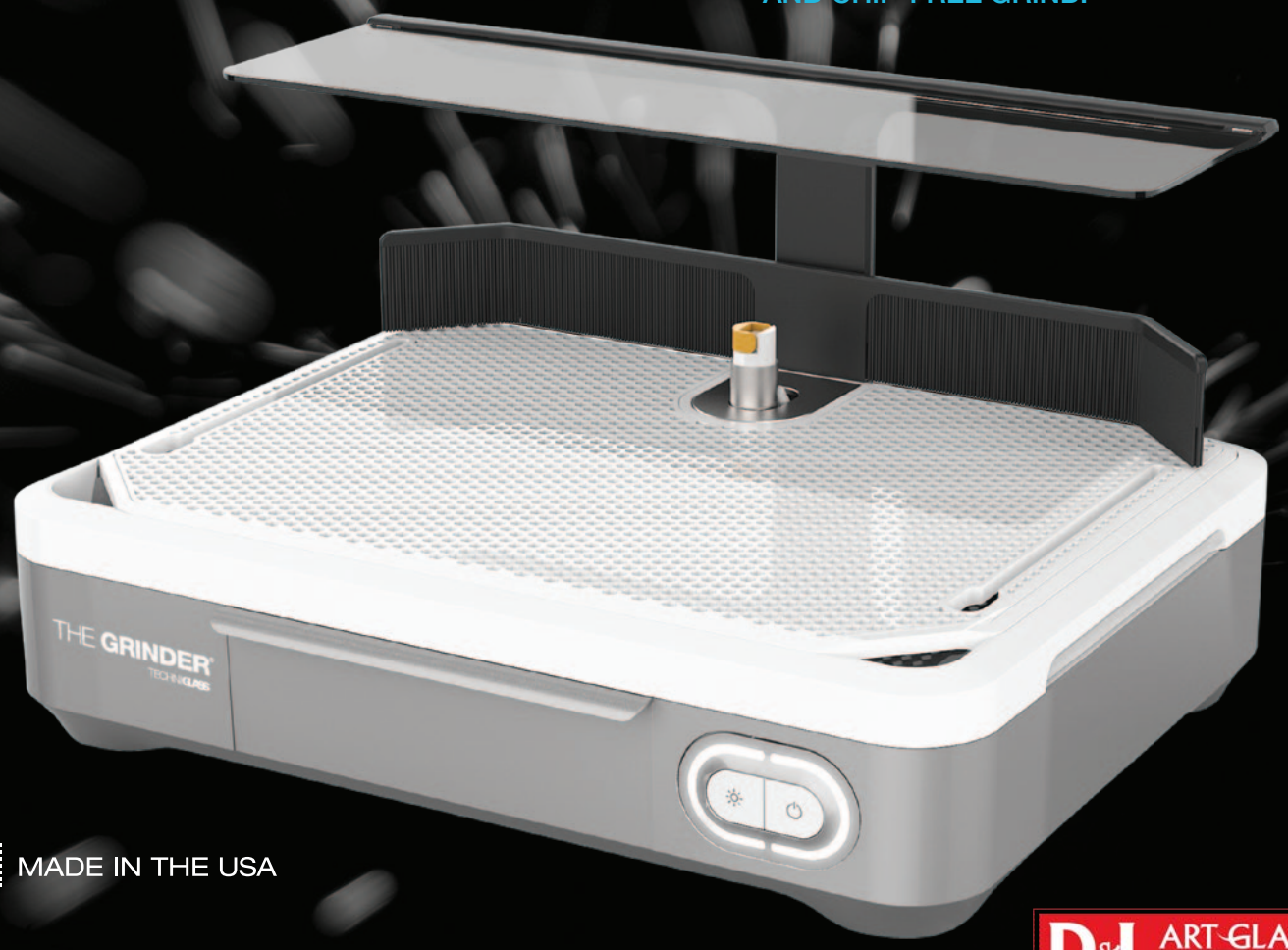
### POWERFUL, WHISPER OPERATION

THE GRINDER's super quiet, powerful motor boasts a torque of 57 oz/in (0.4 N/m) at 4500 RPM, surpassing any model available. Vibration dampening technology absorbs shock and provides added stability to maintain an extremely quiet whisper operation for the most pleasurable grinding.

### TREMENDOUS SURFACE AREA

THE GRINDER is designed with a spacious 12" x 16" (30 x 40 cm) surface.

### EXPERIENCE THE ROBUST POWER ALONG WITH AN ULTRA-SMOOTH AND CHIP-FREE GRIND.

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D&L ART GLASS SUPPLY

U.S. & Foreign Patents Pending

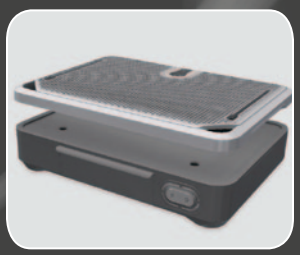
## THE LUMISHIELD®

The **LumiShield** is a LED illuminated lens-grade eye shield which can be easily attached. It provides protection from minute glass particles that become airborne and also casts an even amount of light across the work surface area. It is equipped with an energy efficient, super-brite LED light strip to best illuminate the project you are working on.

U.S. & Foreign Patents
Issued & Pending

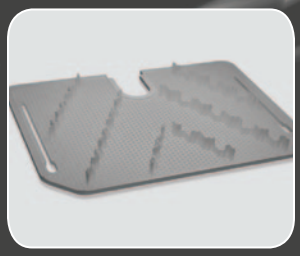
## THE GUARD®

**The Guard** is a wear resistant splash curtain designed to keep the work surface clean and dry. It is manufactured from 100% BPA free, wear resistant, flexible soft silicone material. Glass pieces of unlimited size and length can easily slide through the bristles which capture debris and water returning to the reservoir.



## REMOVABLE WATER TRAY

Unlike other grinders, the water reservoir comes equipped with a removable tray which can be easily emptied after use. With handles on each side, the lift-out tray makes cleanup simple and safe. Eliminate carrying a heavy awkward grinder to the sink or potentially spilling its contents on floors and work surfaces. Any accumulated glass grit can be cleaned out with the included scraper and disposed of or repurposed.



U.S. & Foreign Patents Pending

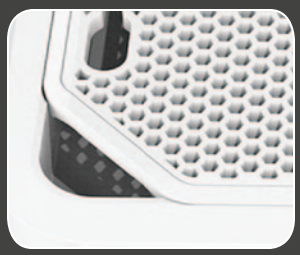
## WATER WAVE STABILIZER DESIGN & SUPPORT SYSTEM

The uniquely designed main grid has incorporated supports and baffles on the underside to stabilize the work surface, limiting water movement during tray transport.

## UNIVERSAL COMPATIBILITY

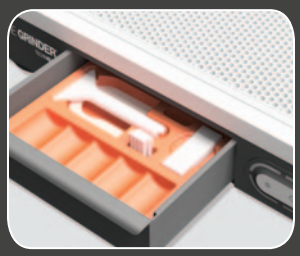
THE GRINDER is equipped with a 5 ft. (1.5 m) durable and removable 3-prong cord which meets international standards and is 110-220 VAC compatible.

D&L ART GLASS SUPPLY



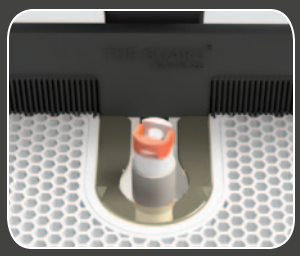
## EZ-VIEW WINDOWS & LIFT GRID

It's important to keep a sufficient flow of water to your bit head while grinding. Reservoir water level can be continuously monitored through the **EZ-View Windows.** The **Lift Grid** easily removes for the addition of water or cleaning with the smartly-designed cutouts.



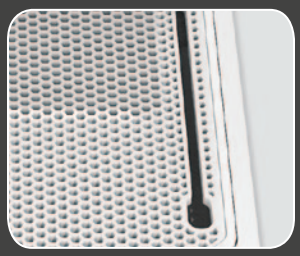
## ACCESSORY DRAWER

The exclusive, compartmentalized and built-in drawer is a space saving way to store spare bits, included scraper, Aqua Flow System® replacement brushes, stainless steel bit guard, and other tools!



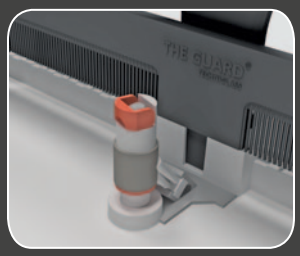
## EVERWEAR BIT GUARD

Made from durable stainless steel, the bit guard allows interchangeable usage of 3/4" and 1" grinding bit sizes.



## EZ-GUIDE CHANNELS

The GRINDER is equipped with convenient channels located on each side of the working surface for attaching tools.



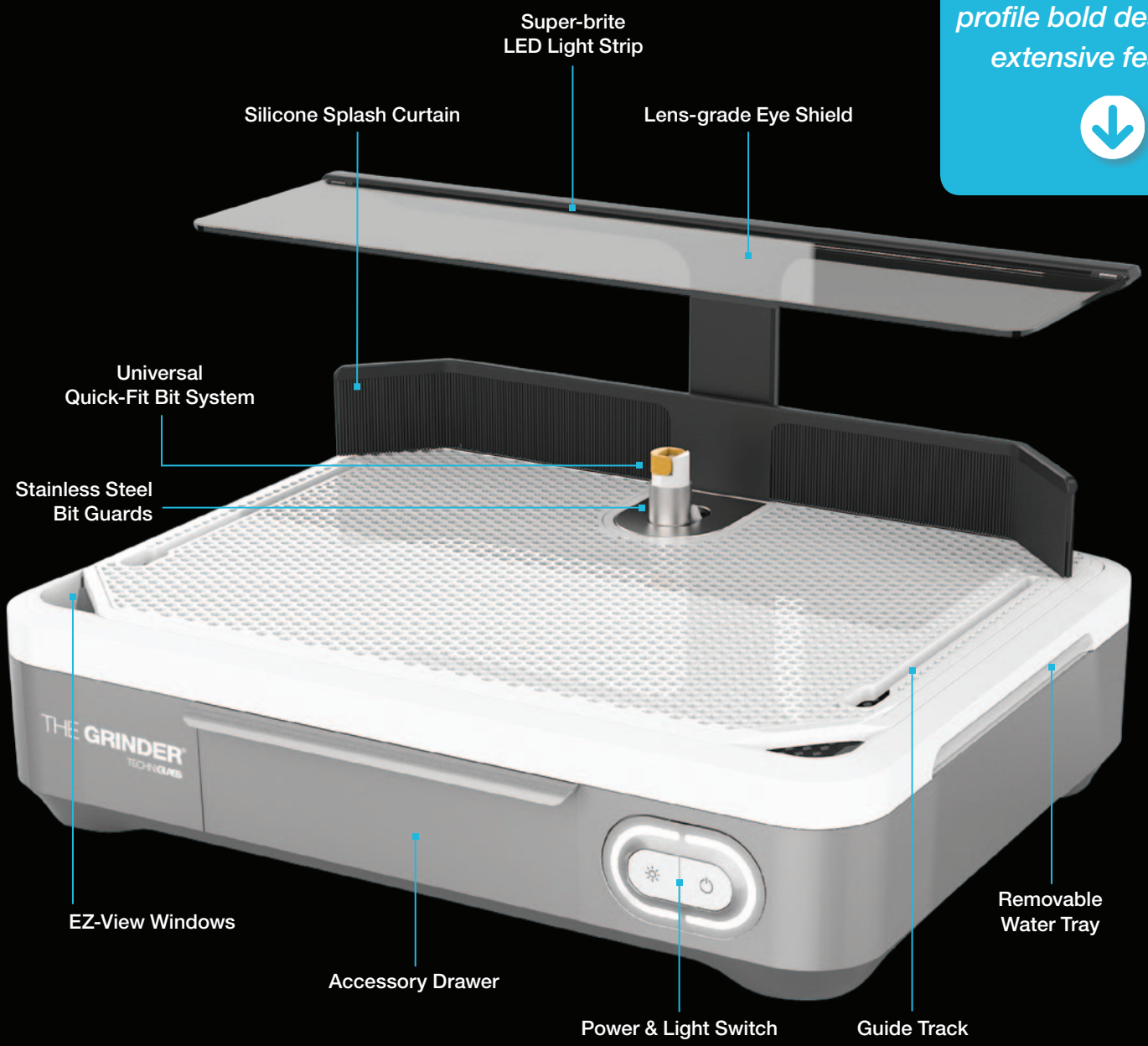
U.S. & Foreign Patents Issued

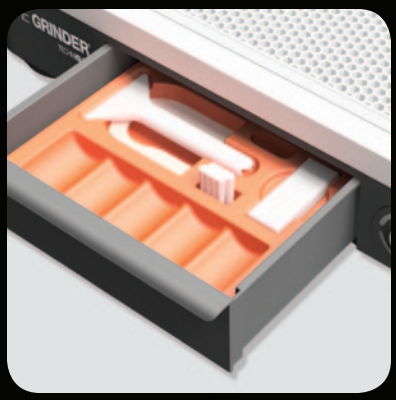
## THE AQUA FLOW SYSTEM

Artists won't realize the short comings of a conventional sponge until they've experienced the ingenuity of a highly engineered water system included with THE GRINDER. To replace ineffective sponges and enhance glass grinding, two Aqua Flow Systems® and three brushes are included for both main and elevated work surfaces.

D&L ART GLASS SUPPLY

*Sleek & Slick contemporary low profile bold design with extensive features*



Accessory Drawer and Tray Insert

Power cord and Inlet; 110-220 VAC for International Use

## ALSO INCLUDED:

- Grid Scraper
- Quick-Fit Bit® System 1"
- Aqua Flow System® and Brush
- Operations Manual

D&L ART GLASS SUPPLY

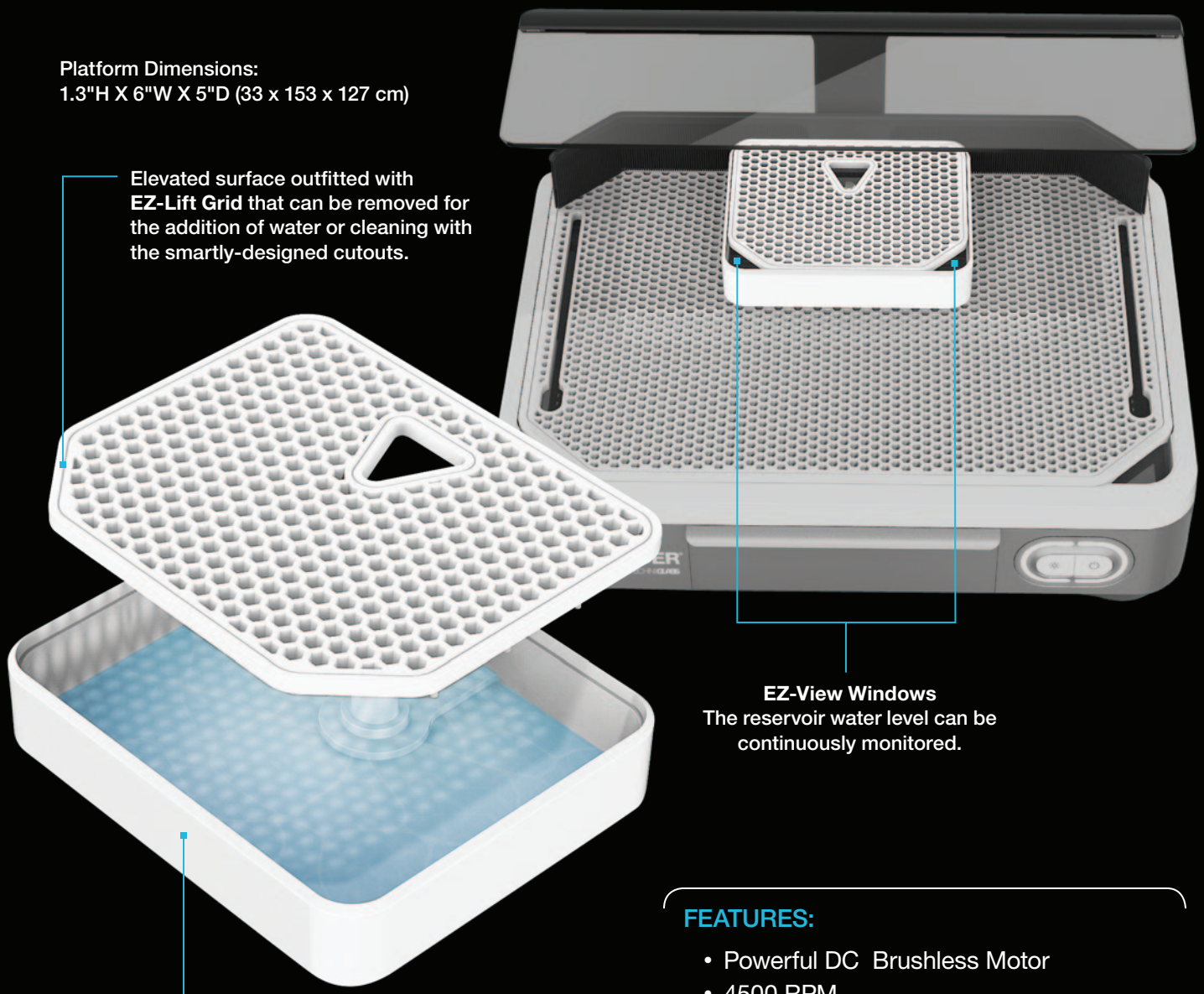
# THE GRINDER®

## EZ-FIT ELEVATED WORK SURFACE

The secondary platform with water reservoir can be effortlessly placed atop the main grid enabling use of 1/4" and 1/8" spindle top bits. Equipped with its own reservoir and Aqua Flow System, the secondary platform has water ingeniously delivered to the grinding head for flawless execution.

Platform Dimensions:
1.3"H X 6"W X 5"D (33 x 153 x 127 cm)

Elevated surface outfitted with **EZ-Lift Grid** that can be removed for the addition of water or cleaning with the smartly-designed cutouts.



**EZ-View Windows**
The reservoir water level can be continuously monitored.

Platform is self-sufficient with its own, separate water supply.

### FEATURES:

- Powerful DC  Brushless Motor
- 4500 RPM
- 110-220 VAC for Universal Use
- Low Profile, Contemporary Design
- Vibration Control
- Industry's Best 7 Year Limited Warranty

D&L ART-GLASS SUPPLY

# THE Quick-Fit Bit® SYSTEM

## NO KEYS REQUIRED, REUSABLE HOLDER

### EASY TO USE & TIME SAVING

No need to find and use keys or locking tools – no grinder freeze-ups – no frustration! Changing bits is simple and fast, even for individuals with reduced grip strength.

### DURABLE AND CORROSION FREE

High-impact polymers extend the life of the Quick-Fit Bit Holder and eliminate the possibility of corrosion and freeze-ups on the grinder shaft.

### ULTRA-SMOOTH GRIND

Engineered with industrial elastomer, the Quick-Fit Bit Holder absorbs grinding vibration and protects glass from fracturing, chipping or shelled edges.

### LONG-LASTING GRIND

Layers of high-quality diamond particles give the Quick-Fit Bit a long-lasting, ever-sharp grind.

### 100% UTILIZATION

The Quick-Fit Bit Holder may be adjusted vertically on the grinder shaft, the bit may be reversed to utilize the full glass grinding surface.

**Replacement Bits**

Size: 3/4" or 1"
Grit: Rapid, Standard, Fine, or Ultra Fine

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# THE Aqua Flow System®

Included with THE **GRINDER**

## NO SPONGE NEEDED

### CONTINUOUS WATER FLOW

The patented Aqua Flow System brush bristles transfer water from the reservoir to grinding bit heads via capillary action, requiring addition of water only at the onset of grinding.

### PREVENTS DRY-OUT

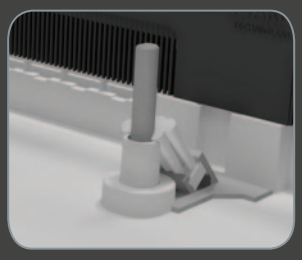
With conventional sponges, water needs to be added every 10-15 minutes. With the Aqua Flow System, the bristles do not absorb sludge or dry-out, eliminating the need for constant cleaning, adjusting, and rehydration.

### PROLONGS BIT LIFE

The proprietary anti-clog brush bristles allow water to flow continuously, while cleaning the bit head. This feature maximizes the life of grinding bits, ultimately saving you money on replacements.

### ANTI-CLOG TECHNOLOGY

The Aqua Flow System's anti-clog technology allows water to flow continuously, drawing sludge away from the grinding bit back to the reservoir.



Fits securely behind the grinder shaft

Slide brush through track on Aqua Flow System Holder

D&L ART-GLASS SUPPLY