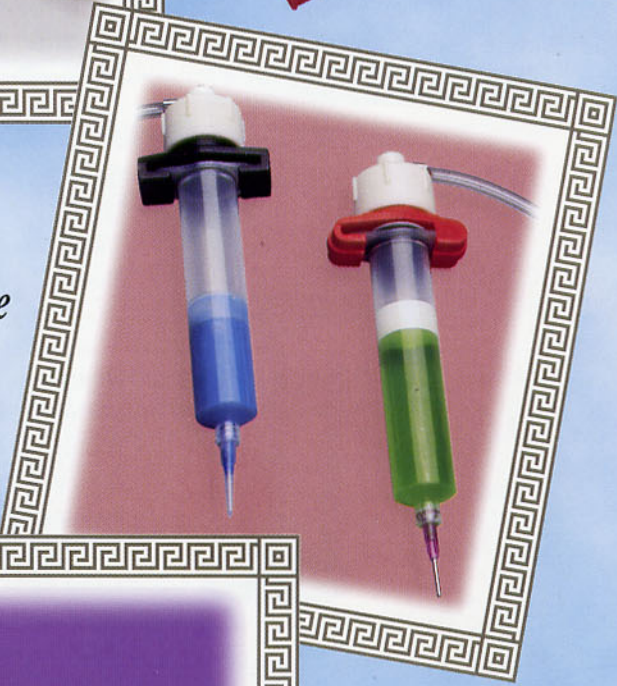


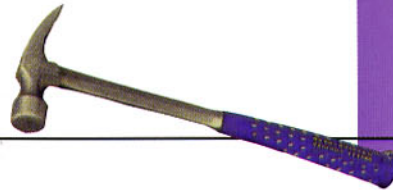
K **KAHNETICS**TM **DISPENSING SYSTEMS** A KAHNETICS LLC COMPANY



*Guide to efficient,
simple and affordable
dispensing systems.*



Building A Dispensing System



Key Things to Consider

Type of Material

- Viscosity
- Self-Leveling
- Non-Self-Leveling
- Single Component
- 2-Part or 3-Part Material
- Pot Life (working life)

Amount to Be Dispensed

- Per "Shot" Amount
- Amount Per Day

Accuracy

- Reproducible Amounts
- "Eyeball" Application
- "Shot" Pattern – Dots or Beads

Method of Application

- Hand-Held (mobility, reaching tough places)
- Fixtured (Hands free, accuracy)
- Automation

Method of Activation

- Foot Control (Hands free)
- "Trigger" Operation (Mobility)

System Cost

- Equipment Cost vs. Number of Units to be Produced (Weekly, Monthly, etc.)

Handling

- Bulk Storage (i.e. tanks) vs. Smaller Capacity (i.e. syringes, cartridges, etc.)
- Clean-up Considerations Disposable vs. Reusable
- Number of Operators

Typical Materials to be Dispensed

- | | |
|--------------------|----------------------|
| 1 Solder Paste | 10 UV Materials |
| 2 Solder Mask | 11 Cyanoacrylates |
| 3 Epoxies (Frozen) | 12 Inks |
| 4 Adhesives | |
| 5 Oil | |
| 6 Grease | A Self-leveling |
| 7 Silicones | B Non-Self-Leveling |
| 8 RTV's | C Two-Part Materials |
| 9 Gels | |

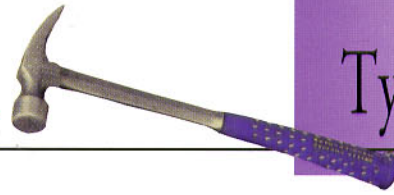
Training Videos

Kahnetics offers a training video that features an overview of dispensing. Other videos offer important information on how to set up your particular system as well as ways Kahnetics can help with your dispensing needs.



which segments you wish to receive:

- Overview
- KDS760 Valve & Controller System
- Cyanoacrylate System
- Syringe & Controller System
- Wand System



1



SYRINGE SYSTEMS

FEATURES

- Low Cost
- No Clean-up
- No Maintenance
- Fast Learning Curve for Operators
- 1cc through 35cc Capacity
- "Drip Free" Vacuum Accessory (all except KDS 806)
- Digital Timer Control for Precise Reproducibility (KDS834A, KDS824A, KDS3000)

For Use with: All Materials
(See "Typical Materials" list on Page 1)

2



CARTRIDGE SYSTEMS

FEATURES

- Low Cost
- Minimal Clean-up
- No Maintenance
- Fast Learning Curve for Operators
- Digital Timer Control for Precise Reproducibility (KDS 834A, KDS824A, KDS3000)
- 2-1/2 Oz. to 12 Oz. Capacity (Larger sizes available)
- Can be used with a needle or nozzle on the bottom of the cartridge
- Can be used with a Dispensing Valve (mounted directly to the Cartridge or attached to the Cartridge by a Hose for Drip-free Operation and Reproducibility)

For Use with: 1*, 2, 3*, 4, 5, 6, 7*, 8*, 9*, 10, 12, A, B*, C* (See "Typical Materials" list on Page 1)

3



TANK & VALVE SYSTEMS

FEATURES

- Large Reservoir Capacity (1-gallon, 3-gallon, 5-gallon tanks)
- For use with self-leveling materials (flowable)
- For use with one-part materials
- Digital Timer Control for Precision Reproducibility (KDS834A, KDS824A, KDS3000)
- Minimal Clean-up
- Drip-free (Vacuum Suck-back Dispensing Valve)
- No need to purge the System with most Materials (even Overnight)

For Use with: 2, 4, 5, 10, 12, A
(See "Typical Materials" list on Page 1)

KDS806/ KDS806V Foot Valve

- Basic ON-OFF function
- “Eyeball” accuracy
- Foot actuated for excellent ergonomics
- No electrical
- 0-100 PSI regulator and gauge
- Lowest cost
- Easy to set up and operate
- Sits on the floor, thus using no table space
- Drip-free vacuum accessory (on the KDS806V only)
- Order syringe adapters, kits and other accessories separately



Specifications:

KDS806

Size: 3.75 x 7.25 x 3.75" (W x D x H)
Weight: 3 lbs. 5 oz.
Air Input: 0-100 psi
Air Output: 0-100 psi

KDS806V

Foot Valve w/Vacuum

Size: 3.75 x 8.50 x 3.75"
Weight: 3 lbs. 5 oz.
Air Input: 0-100 psi
Air Output: 0-100 psi
Vacuum: 0-18" of Mercury

KDS808 Shot Meter

- Basic ON-OFF function
- Low cost
- Easy to set up and operate
- “Eyeball” accuracy
- Electrical foot pedal actuation for ergonomic operation (finger switch available)
- Vacuum feature to prevent dripping
- 0-100 PSI regulator and gauge with locking ring
- Benchtop unit for easy reading of dials and adjusting of the air pressure and vacuum
- Easily upgraded to Digital Timer with Teach Function Feature (See bottom page 7)
- Slide switch for easy change from 110 to 220 volts
- Low voltage unit
- Order syringe adapters, kits and other accessories separately



Specifications:

KDS808

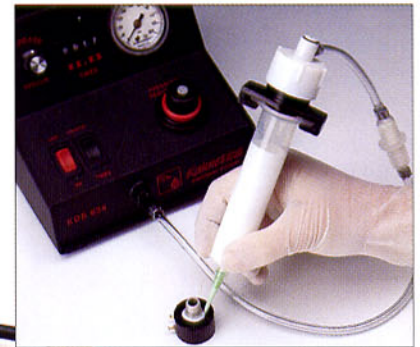
Size: 5 x 7.75 x 5" (W x D x H)
Weight: 5 lbs. 1 oz.
Air Input: 0-100 psi
Air Output: 0-100 psi
Power: 110-230 VAC Switchable
50/60 Hz
Internal Voltage: 24 Volt
Transformer
Vacuum: 0-18" of Mercury



KDS 6000 Shown Interfacing with KDS 808.

KDS834A Economy Shot Meter

- Digital timer control (CMOS 8-bit micro processor) for reproducibility
- Time duration from .01 to 99.99 seconds
- Adjustable four-position push button timer switch
- Vacuum feature to prevent dripping
- Time duration indicator light (LED)
- Electrical foot pedal actuation for excellent ergonomics (optional finger switch available)
- 0-100 PSI regulator and gauge with locking ring
- Slide switch for easy change from 110-220 volts
- Benchtop unit for easy reading of dials and adjustment of air pressure and vacuum
- Low voltage unit
- Order syringe adapters, kits and other accessories separately



Specifications:

KDS834

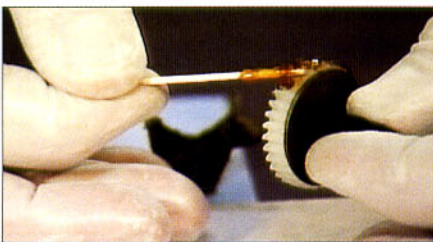
- Size: 6.25 x 7.75 x 5" (W x D x H)
- Weight: 5 lbs. 10 oz.
- Air Input: 0-100 psi
- Air Output: 0-100 psi
- Vacuum: 0-18" of Mercury
- Power: 110-230 VAC Switchable 50/60 Hz
- Internal Voltage: 24 Volt Transformer
- Repeat Accuracy: .5ms (.000005 sec.)
- Recycle Time: 12ms (.0012 sec.)
- Setting Accuracy: $\pm 2\%$

TIMER:

Type: CMOS 8 Bit Micro-Processor

Range: .01 to 99.99

Adjustments: Four Position, Push Button Switch



The old dispensing method – messy and inaccurate



The KDS dispensing method – clean and precise

KDS805-FS Finger Switch

- Replaces foot pedal
- Plug-in module
- Works with KDS808, 834 series, 824 series, and KDS3000

