

# 2-K-DOS Metering, Mixing and Dispensing System

## Description

The **2-K-DOS Metering, Mixing and Dispensing System** accurately meters, mixes and dispenses two-component materials like potting compounds, encapsulants, casting materials and adhesives. The two components are precisely metered using gear pump technology, programmable from a simple control panel. The mix ratio, dispensing rate and dispensed quantity can be set-up quite accurately, providing consistent, error-free metering, mixing and dispensing. The control panel is menu-driven and password protected.

The **2-K-DOS** is designed with a unique modular approach, for simple configuration and maintenance. Each machine is built to match your material and process, with appropriate material reservoir sizes and dispensing hose lengths. Reservoir options include agitation, heating and drying (the latter for moisture sensitive materials like polyurethanes).

Material is fed from the two integrated gravity-fed reservoirs through the gear pumps where it is accurately metered, through flexible hoses to a dispensing head. Industry standard [static mixing nozzles](#) are used for homogeneous mixing. The mixture is free of air bubbles.

This metering, mixing and dispensing system is configured for bench top operation, triggered by a fingertip switch or foot pedal. It can also be configured to work with [automation](#) for consistently dispensed amounts and accurate placement.

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The **2-K-DOS Metering, Mixing and Dispensing System** is able to process a number of materials including silicones, polyurethanes and epoxies.

## Features & Benefits



- Able to process mixing ratios from 1:1 to 10:1
- Air-free
- Straightforward integration with robotics or automation
- Digitally controlled shot size and flow rate for precision
- Storage for up to 99 different programs

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- Built-in level monitoring system
- Material pot life alarm with automatic purge function to maintain fresh material in the mixing nozzle
- Configured to your material and process
- Reservoir heating and agitation options keep materials flowable, consistent and ready to use
- Modular design means easy maintenance and repair

## Applications



- Electronics and LED potting and encapsulation
- Casting
- Form-in-place gasketing
- Adhesive dots and beads



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## Specifications

Specification	
Mixing ratio	1:1 to 10:1
Dispensing rate	20 - 1,000 g/min
Shot size	± 2g
Container sizes	4, 10, 15 litres
Dimensions (w x d x h)	320 x 320 x 700 mm
Weight	35 kg
Length of dispensing hose	from 90cm up to 3m
Line voltage	110-230 V
Power consumption	150 VA





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<div data-bbox="81 501 585 808"><div>CASE STUDY</div><div><div><div>intertronics</div><div>adhesives, coatings, sealants &amp; equipment for your manufacturing and technology applications</div></div><div><div>IRS 3078</div><div>Polyurethane potting compound</div><div>2-K-DOS</div><div>Metering, mixing and dispensing system</div></div><div></div><div></div></div></div>	<div data-bbox="813 427 1398 515"><p><u>Potting compound and accurate, reliable dispensing for automotive lighting</u></p></div> <div data-bbox="813 526 1484 860"><p>Requiring a potting compound which could provide environmental protection to their high-powered outdoor LED lights, lighting manufacturer Venta Global selected IRS 3078 and a metering, mixing, and dispensing system to create a straightforward and repeatable process.</p></div>
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## Ordering Information

# 2-K-DOS Metering, Mixing and Dispensing System

<div><div>01865</div></div> <div>842842</div>	<div><div></div></div> <div>orders@intertronics.co.uk</div>
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- ☐ Name\*
- ☐ Company\*
- ☐ Phone\*
- ☐ Email\*
- ☐ Post code\*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

- ☐ Tell us about your application

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Supplied by:



INTERTRONICS  
12a Station Field Industrial Estate, Banbury Road, Kidlington  
Oxfordshire England OX5 1JD  
t 01865 842842 e [info@intertronics.co.uk](mailto:info@intertronics.co.uk)

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