



WELCOME TO inovex

About us

Inovex Systems Limited are a software and machinery manufacturer founded in the UK in 1999 by David Holmes (Sales and Management), Craig Stapleton (Engineering) and Peter Brown (Inovex Software). At the time, the three had combined experience of more than 35 years in the dispensing industry, setting the foundations for the global company we are today. Our Malaysian partnership was formed in 2001 and has seen immense growth since, supplying and supporting the SEA region.





GLOBAL APPROACH



We own two manufacturing properties strategically placed to share supply to our worldwide customer base. Our head office is in **Kettering, UK** with a sister manufacturing plant in **Puchong, Malaysia**. To complement these, we have sales and support agents across the world.

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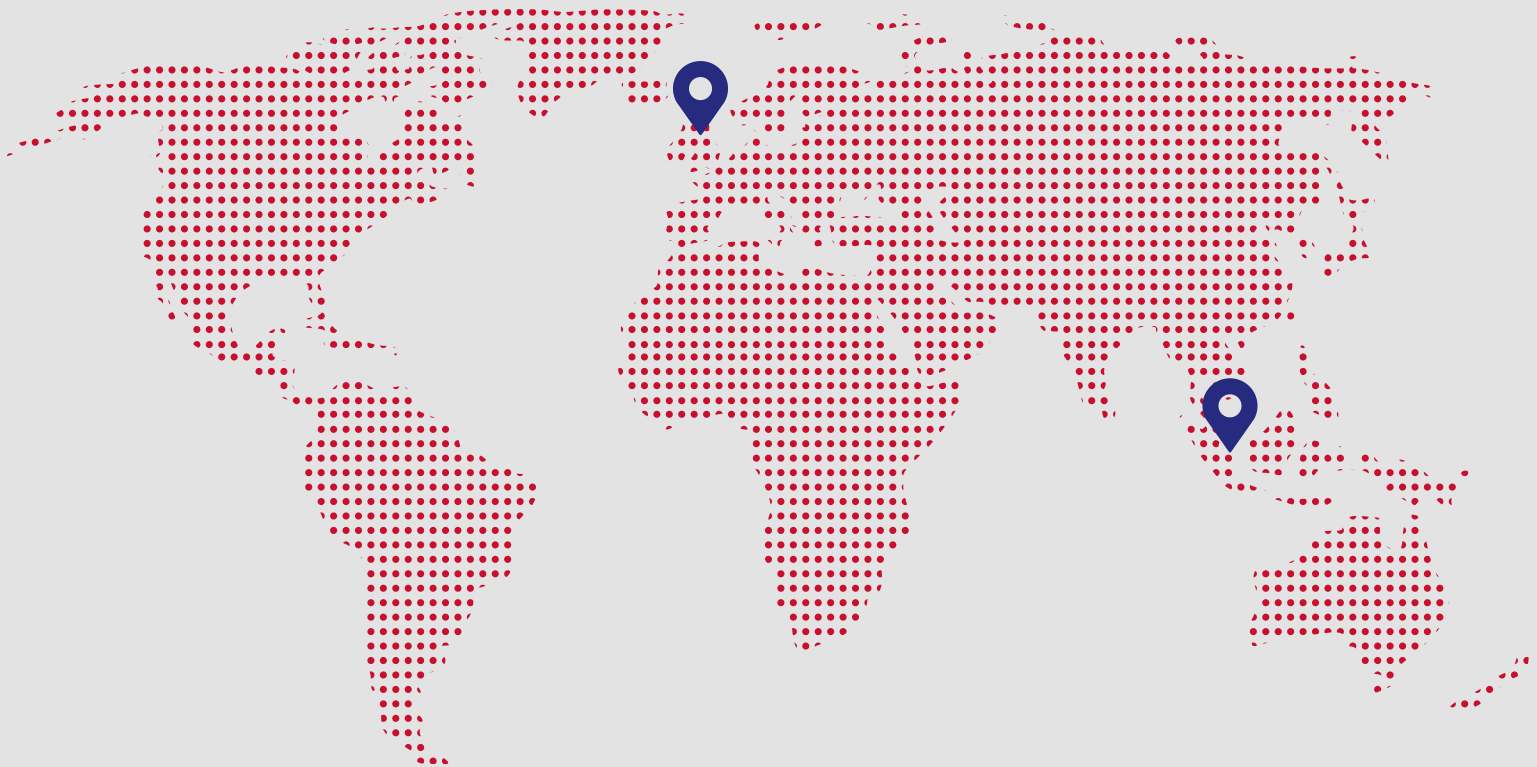
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PRODUCT AND SERVICES



If your application involves formulated blending, we can support you. Paint, ink, coatings and pharmaceutical manufacturers - local independents and huge International companies alike. Packaging manufacturers, aerospace, automotive and speciality coatings manufacturers.

SOFTWARE



- Production Management with batch traceability
- Manual check weigh systems
- Press return modules
- Production automation programs
- OMP / ERP / MRP links between ESM and customer management software

DISPENSERS



- All ink types
- Textiles and leather coatings
- Paints and Wood stains
- Specialist coatings and chemicals

ACCESSORIES



- Process valves
- Pumps and pumping solutions
- Bucket, barrel and IBC mixers
- Material handling and storage equipment

PROJECTS



- Bespoke projects using modular technologies

SERVICE AND SUPPORT



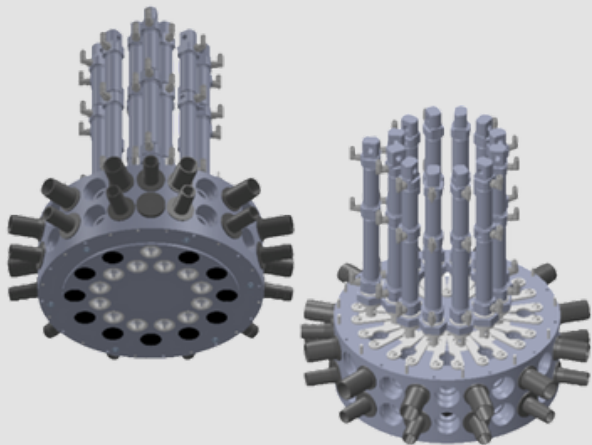
- Breakdown cover, service contracts. spare parts
- System upgrades and refurbishments



OUR DESIGNS



3D design and release to manufacture of dispensing systems and associated accessories



Our Design Approach

Our designs incorporate 3 basic rules:



Sustainability: Our commitment to minimising our carbon footprint is key to all design tasks, using recycled or recyclable materials wherever possible.



Modularity: We have multiple key technologies that can be applied across differing project requirements.



Customer Satisfaction: We create solutions from reliable products and proven design techniques, and tailor them to exceed customer requirements.

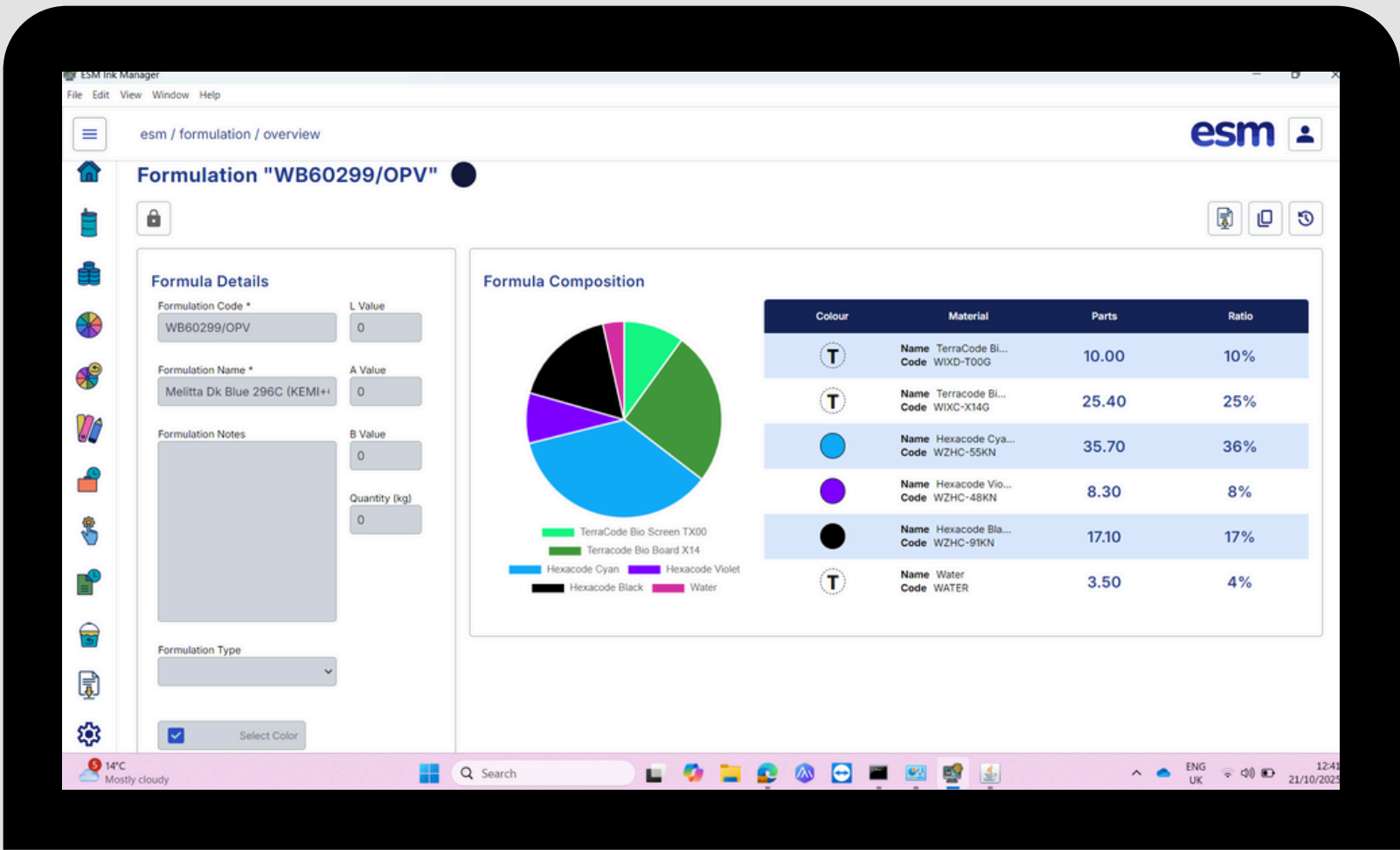




ESM SOFTWARE



The Inovex ESM software suite is a powerful management tool used to drive our wide range of automated dispense systems via links to PLC units and digital weigh scales, and is also available as a standalone package or manual check weigh system. It's multi-platform connectivity capabilities ensure easy data transmission between the dispenser and on-site management systems such as SAP, ERP and colour computers.



Features

- Standalone management program
- Manual weigh / check weigh systems
- Press returns booking station
- Automated dispense systems
- SAP / ERP interfacing
- Batch traceability
- Automated report generation sent to email
- Colour computer interfaces
- Mobile data access
- Multi device options
- Online database
- Press-Return Work-off: Book in and book out press returns with remix options. Bulked returns can be added to the dispenser for automated usage too

Click [here](#) to find out more about the ESM Software.



ESM SOFTWARE SUITE



Visual Stock Configuration

Home screen showing all current stock levels, with shortcuts to stock and batch number entry screens.



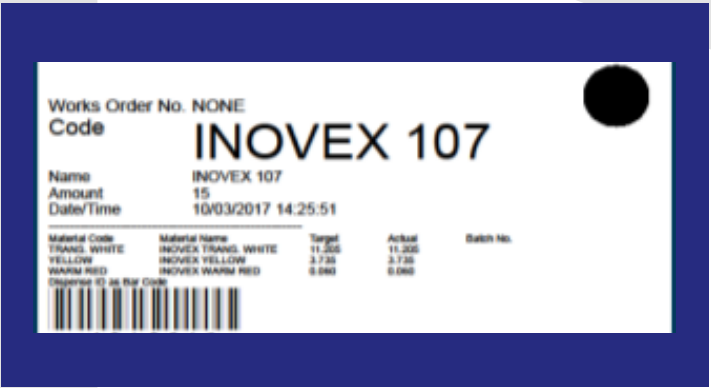
ESM Dispense and Check Weigh Software

Touch screen ready, the ESM dispense and check weigh programs offer simple controls with intuitive on screen instructions. The programs work in unison with the ESM management software, recording material batch numbers against production records ensuring full traceability of product through to works orders.



Label Printing with Bar Coding (IA5)

Detailed dispense and press returns labels printed at the dispense head.



APPLICATIONS (IA9)

PRESS RETURN STATION (IA3)

A perfect enhancement to the automated dispense systems, enabling press return management without interfering with dispenser output.



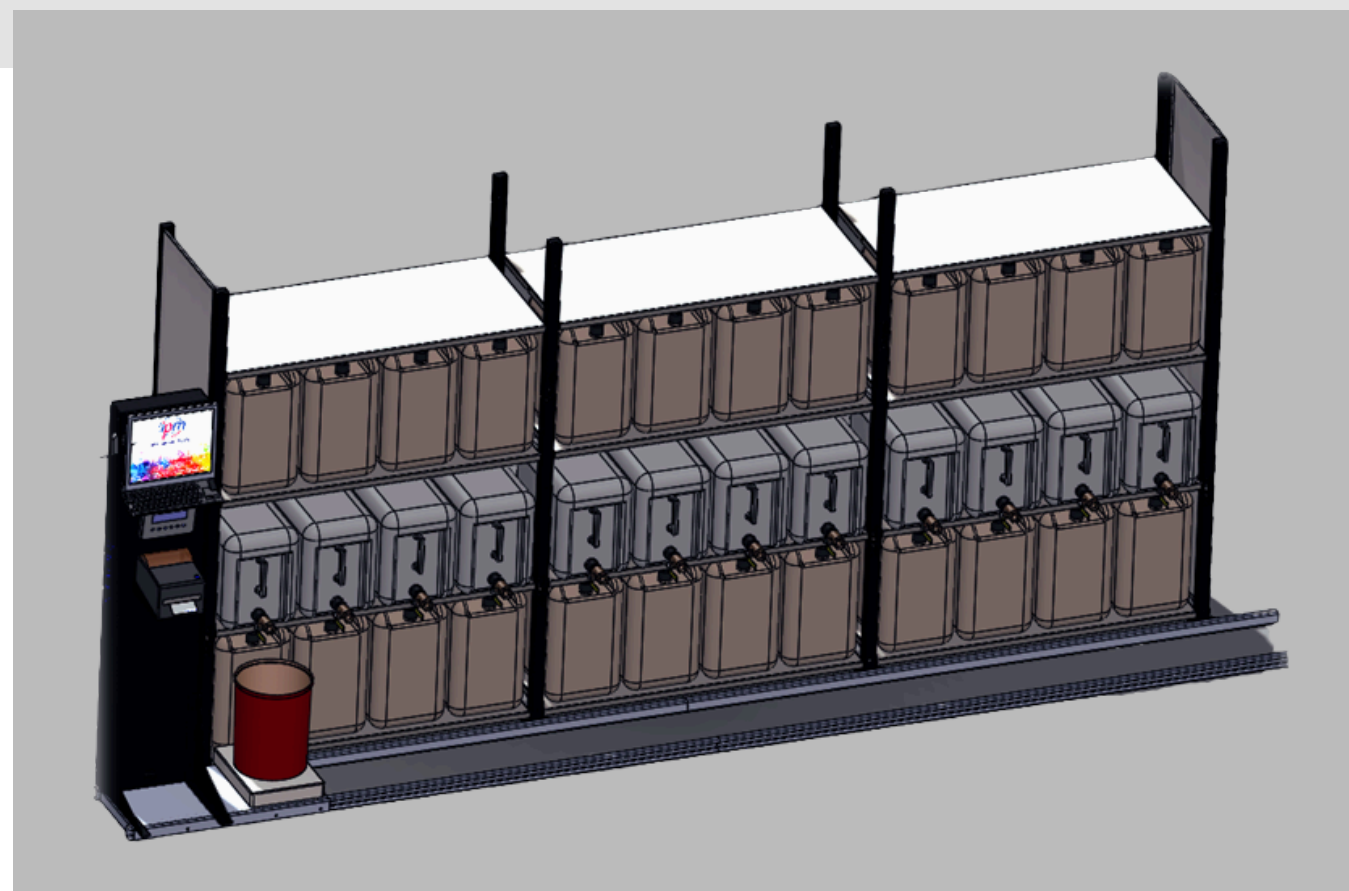
Manual weighing stations for formulated goods.

Any materials requiring formulated batch creation – for example liquid paints, powders, chemicals, inks, pharmaceutical products etc.

Desktop with integrated 10Kg weigh scale and floor standing versions available.



CHECK WEIGH WITH MOBILE SCALE (IA8)



Reduce manual handling via the racking system utilising keg style supply vessels with ball valves for product release.

Click [here](#) to find out more about the ESM Software related products.



AQUABLEND SERIES



The Aquablend dispense system has a capacity of 14 ingredients plus mains water, and uses a 30Kg scale, allowing for batch sizes up to 25Kg to an accuracy of ± 1 gram. Water-based / non-hazardous products only.

Ink, Paints and Coatings

The system is designed specifically for liquid ink, paint and coatings applications. Common customers of the Aquablend include corrugated packaging, ink, paint, special purpose coatings and formulated chemical manufacturers.



Features:

- Dispensing into vessels of 200mm or larger diameter opening
- HMI touch screen manual controls
- Automatic valve cleaning system
- 20mm DIN dispense valves
- ½" diaphragm pumps & ¾" flexible piping
- Automatic valve wiping system
- Multi-language Inovex ESM Management Software

Click [here](#) to find out more about the Aquablend and the enhancements available.



COLOURBLEND SERIES

The Colourblend range of water-based dispensers are available in 24, 32 or 36 ingredient configurations and are capable of dispensing hazardous and non-hazardous products in batch sizes ranging from 20kg to 300Kg, depending on scale choice. The Colourblend is our most flexible dispense system offering multiple enhancements, allowing Inovex to tailor the machine to perfectly suit your requirements.



Colourblend Models Available:

- CB30
- CB30 AUTOMIX
- CB300KG FLOOR SCALE
- CB CONVEYOR
- CB AEROSPACE
- CB COMPACT

Features:

- EX Hazardous area option
- High Flow 3 stages stainless steel valves
- HMI Touch Screen manual control back up
- Automatic valve washing system
- Automatic self-cleaning mixer
- Automatic conveyor



The Colourblend pictured here is a Colourblend 30 Automix.



CENTRESTAGE SERIES

Part of the Colourblend family, the Centrestage range of dispensers are available in 36, 54, 72, or 96 ingredient and are capable of dispensing batch sizes ranging from 1kg to 3000kg depending on scale selection and customer requirements. The valves are rotated to a single dispense position enabling the filling of small neck vessels such as bottles and sample cups as well as bulk vessels such as IBC's and mix tanks. Available in ATEX / IECex / UL certified, oil-based or water-based.

Typical uses:

- All liquid and semi-liquid based product dispensing in vessels with an opening diameter of 50mm or bigger.
- High production output facilities such as paint, chemical and ink manufacturers.

Features:

- Up to 72 x 3 stage dispensing valves
- ±0.1 gram accuracy - weigh scale dependent
- IECEx & ATEX Certified
- Automatic valve cleaning system
- Pumping from 205 litre (55 US Gallon) barrels, IBC's or tank farms
- Manual control backup via touch screen HMI
- Hazardous and non-hazardous versions available
- High-flow 3-stage stainless steel dispense valves



Click [here](#) to find out more about the Centrestage.

ULTRABLEND PO & MV / HV



The Ultrablend PO (paste products) and MV / HV (medium / high viscosity products) have been developed predominantly for use within the UV flexo, screen, polyester and paste inks. However, the high-specification build components ensure the systems are compatible and well suited to many other dispensing applications where high accuracy and relatively small batch sizes are required.

Features:

- Dispensing directly from supply vessels
- 5Kg dispense capacity
- HMI touch screen manual control
- High flow 3 stages stainless steel valves
- Small neck dispense vessel size
- ± 0.1 gram accuracy
- Automated conveyor supply systems
- Add on bulk ingredients



Click [here](#) to find out more about the Ultrablend PO.

IC SERIES



The IC series is a compact dispenser specifically designed for small batch colorant blend production and those involved in using UV Flexo, Varnishes, Coatings and Screen Inks.

It has a very compact footprint and is virtually a plug-and-play system with straight forward installation process. The system permits products to be dispensed gravimetrically, accurately and consistently utilising simple yet unique proven technology with dispense batches from 10gr to 6Kg to an accuracy of $\pm 0.1g$.

Features:

- Up to 24 canisters configuration
- 2.3L/6L/10L canister capacity
- Unique anti-drip valve design
- Pump free design
- Easy-fill mechanism
- Automatic stirring to ensure homogenous product

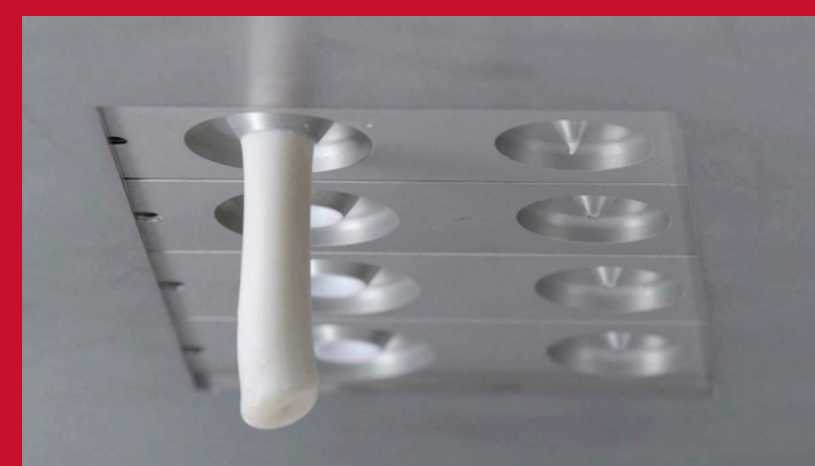




ICD SERIES

The ICD range of dispensers are available in configurations from 12 to 52 ingredients and are capable of dispensing batch sizes ranging from 10g to 15kg, depending on scale supplied and accuracy required.

The systems deliver speed, accuracy, repeatability and reliability – the essentials required in small volume applications dispensing textiles coatings, water-based screen ink, UV Flexo and high viscosity ink to a high accuracy. Various supply methods are available to transfer the base components to the dispense valves including onboard pressure vessels and diaphragm pumps for low viscosity products. Dispense valve combinations are frequently used too, ensuring bulk ingredients are dispensed quickly to wider tolerances, and smaller quantity tinting components are delivered to required higher accuracies.



BRIDGE STYLE



Extremely versatile system offering dispense valve and scale sizes tailored to suit your production volumes. Open frame enables easy 'pass-through' of mobile dispense vessels, improving production facility workflow. Dispense systems commonly used by product manufacturers making large batches in mobile vessels; ideal dispense system for producers of high-volume inks, paints and chemicals.

Typically using 1500Kg or 3000Kg weigh scales, the 50mm dispense valves offer speed and reliability for large batch dispenses.

Features:

- Up to 24 ingredient configuration
- PC operated fully automatic with manual backup
- Ultra-high flow 3 stages stainless steel valves
- Open fabrications allow dispensing into production vessels such as vat's and open top stills
- Scale sizes to suit user dispense capacities





BULK AND PROCESS LINE PUMP TO PRESS



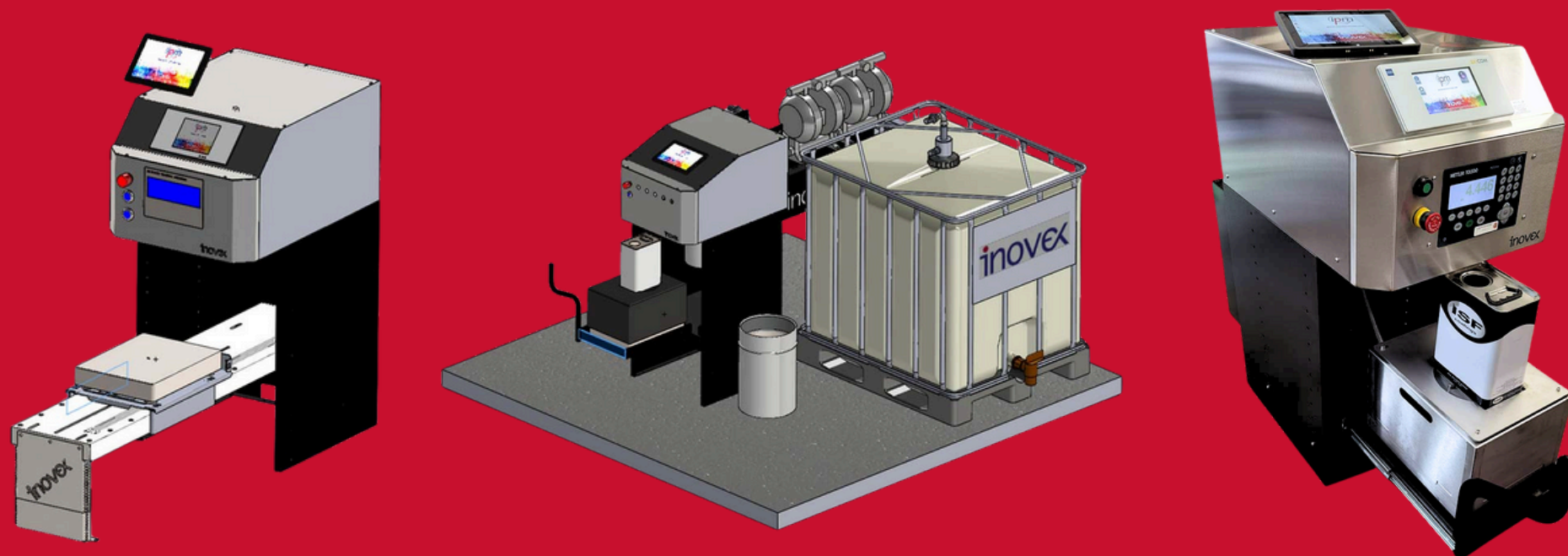
Up to 12 ingredients, dispense systems commonly used for high-volume product dispensing of process colours, bulk varnishes, bases and pump to press applications.

Available in manual joystick and touch-screen automatic, to best suit your available budget.

Applications

Our Bulk and Pump to Press systems have been developed to simplify the task of moving hazardous (such as ATEX Zone 1) and non-hazardous bulk ingredients from storage vessels to press / production areaa in a clean, safe and effective manner.

The flexible technology used enables the dispense point to be located either directly alongside the supply vessel, or piped to another part of the production plant (such as the press side), thus eliminating hazardous and time-consuming transport of product from storage to usage positions.



Click [here](#) to find out more about the Bulk and Process Line Pump to Press dispensers.



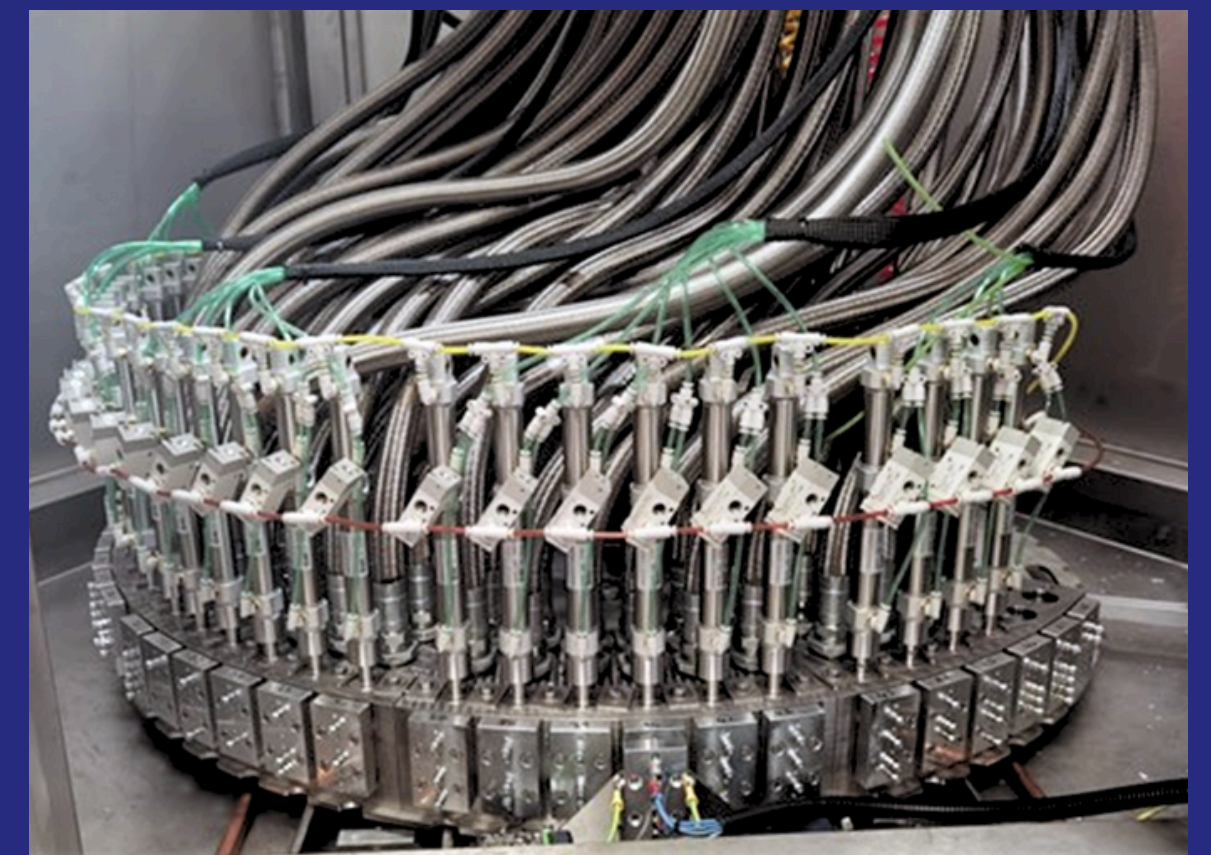
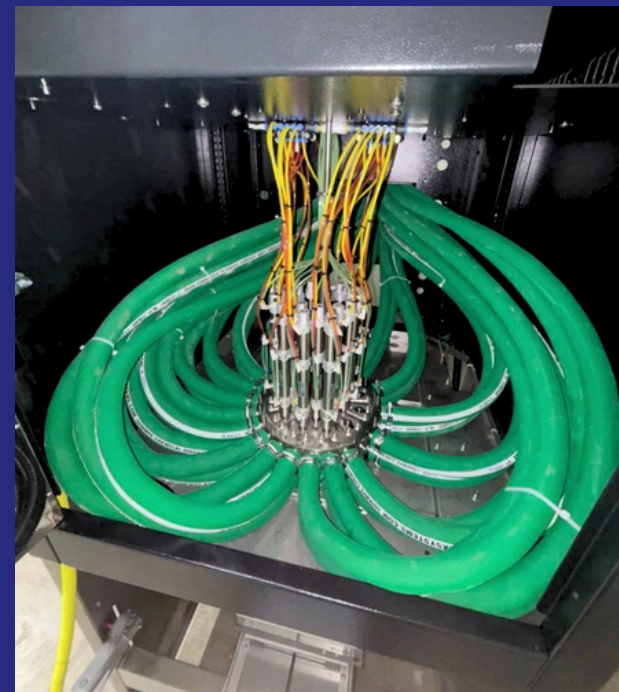
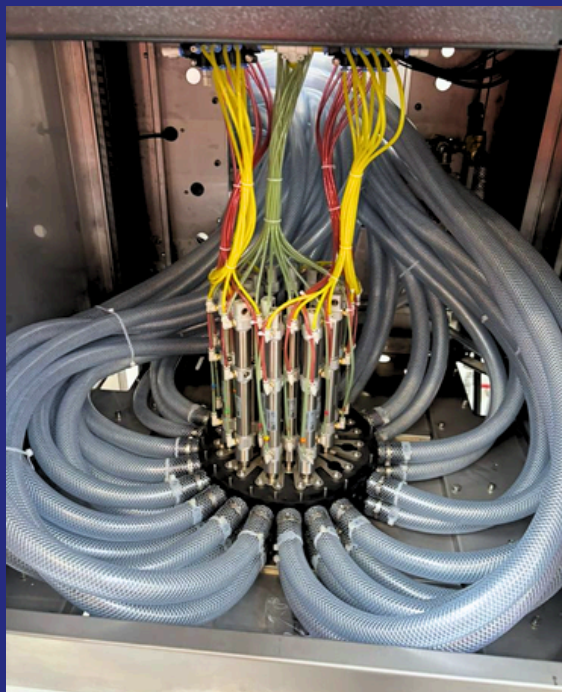
PRECISION ENGINEERED DISPENSE VALVES



All Inovex automated dispensers come equipped with our fully serviceable, easy to maintain cartridge style dispense valves. Manufactured from stainless steel and PTFE, the combination of telescopic apertures deliver fast, repeatable, high accuracy performance.

Our 20 x 3mm valves deliver a 5 ingredient 20Kg formulation in 2 - 3 minutes on average to an accuracy of 1 gram. Higher speed / accuracy versions are also available as shown below:

- 50 x 15mm - ± 20 gram accuracy
- 35 x 10mm - ± 10 gram accuracy
- 25 x 5mm - ± 5 gram accuracy
- 0 x 3mm - ± 1 gram accuracy
- 13 x 3mm - ± 1 gram accuracy
- 8 x 1mm - ± 0.1 gram accuracy



MIXERS



Supplementing our dispense systems, Inovex manufacture a variety of mixers to suit different applications from bucket mixing, drums and IBC's.

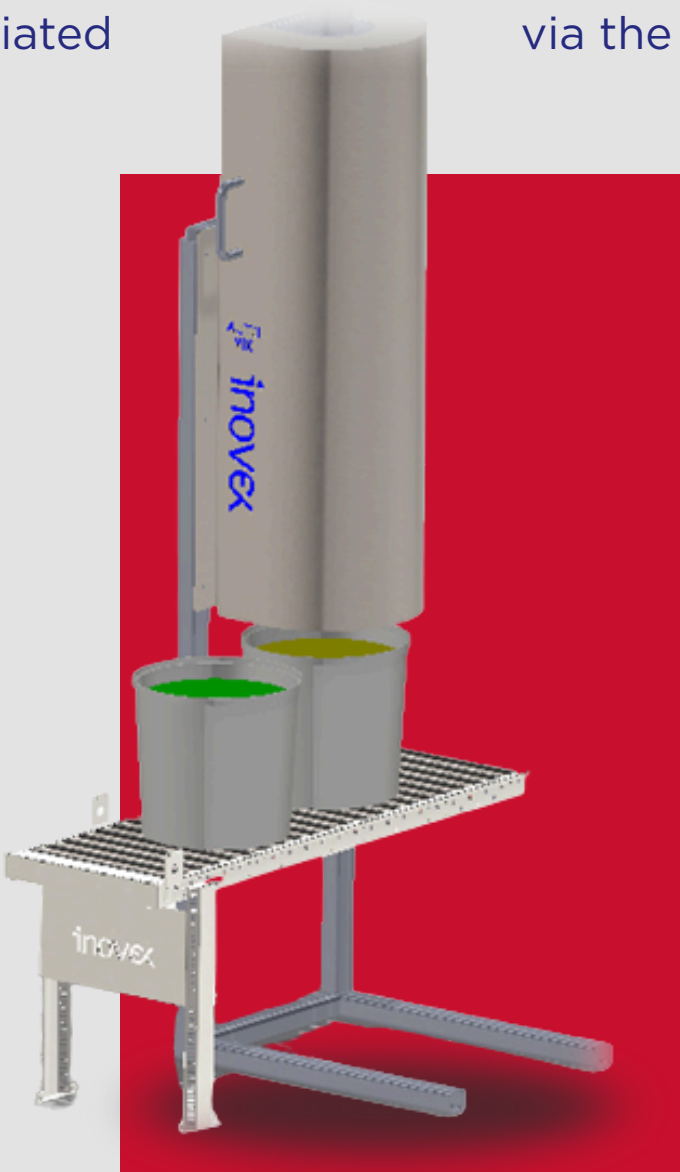
Hands-Free Bucket Mixer (CA6)

Pneumatic stirrer mounted onto a circular stainless-steel fabrication that replicates a bucket lid. Place the mixer onto the bucket, open the air isolation valve and the mixer will run for as long as you need. Suitable for hazardous and non-hazardous products.



Self-Cleaning Automix (CA7)

Taken from our Colourblend dispense systems, the Automix features an internal self-cleaning system, whereby it washes itself after every use. The mix duration can be programmed according to operator request, with the mix initiated via the push of a button.



Lid-Mounted Pneumatic Barrel Mixer (CA8)

Using a high torque pneumatic mixer and stainless-steel fabrications, the mixers are fitted directly to the vessel lids, ensuring a perfect fit without excessive air ingress to the barrel contents. The mixing can be controlled as part of the dispense system automatic recirculation program, or by a simple on off pneumatic switch. The fabrications include two

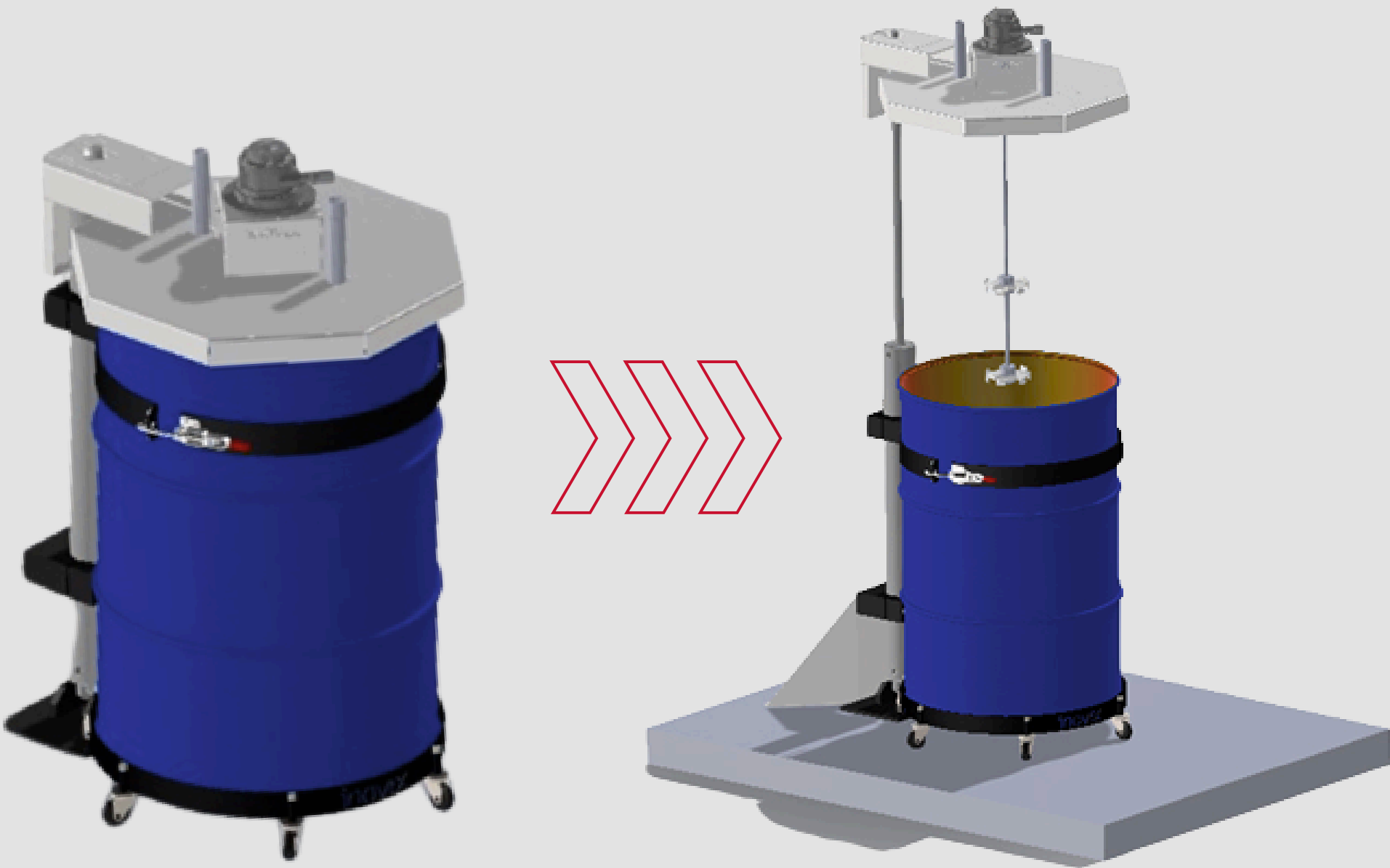


threaded ports for easy connection of suction and return fluid connections, utilizing upper and lower parts to sandwich the vessel lid, making a rigid structure.

BARREL MIXER WITH LIFT (CA8L)



Using a high torque pneumatic mixer and stainless-steel fabrications, the mixers are mounted onto an oversized cover that envelopes the barrel when lowered to the mix position. The cover is connected to a floor mounted pneumatic actuator with manual lift / lower / motor run control and safety interlock. The mixing can be controlled as part of the dispense system automatic recirculation program, or by a simple on off pneumatic switch. The barrel is held in with a rolled barrel clamp with toggle fastener, which pulls the barrel back onto two fixed probes to get a positive earth connection. This can be further enhanced with electronic monitoring and isolation on request.

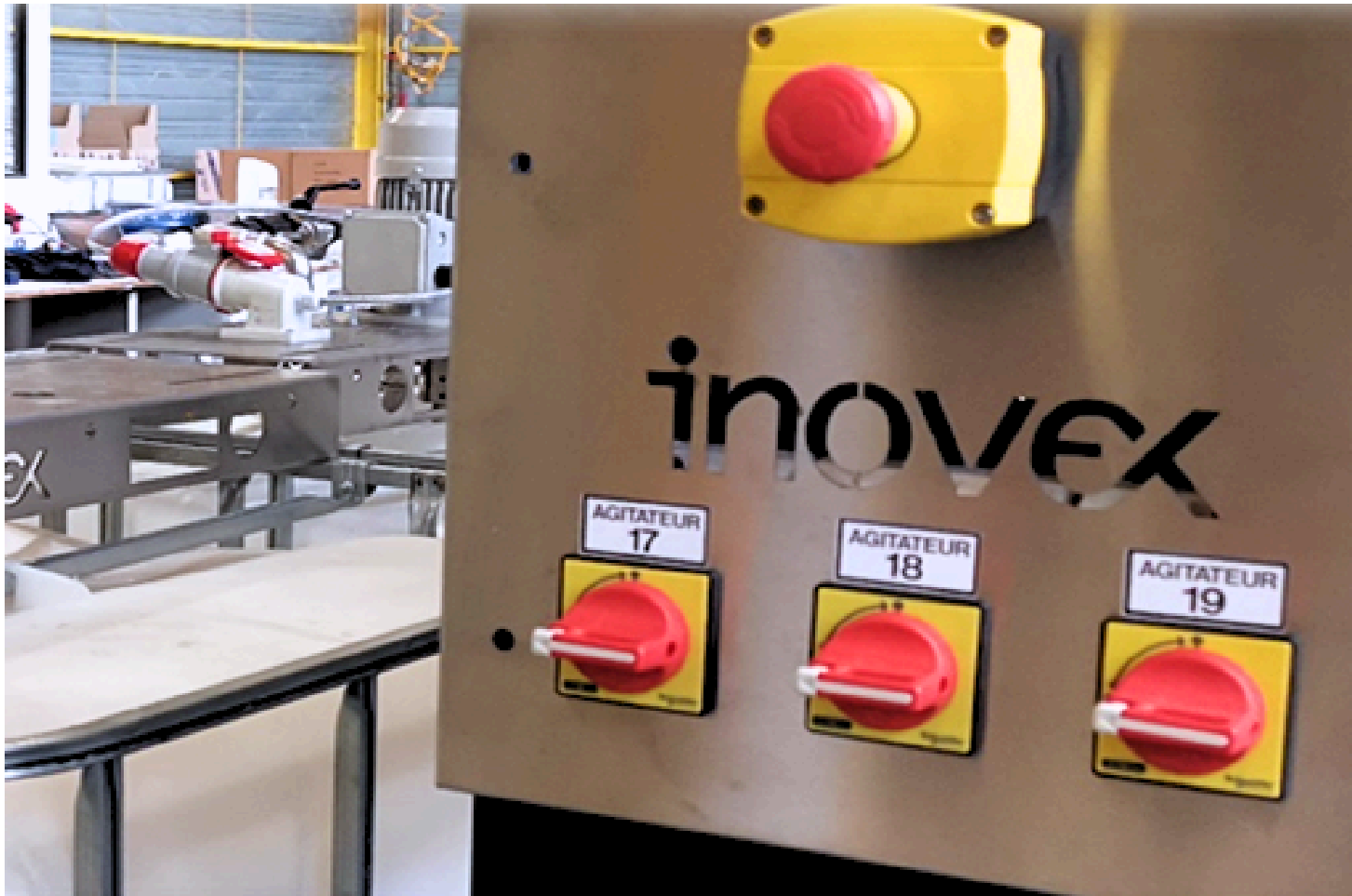


TOP MOUNTED IBC MIXER



Using a high torque pneumatic or electric motor with stainless-steel fabrications, the mixers are fitted on top of the IBC cage, with the shaft and blade entering through the IBC lid. The mixing can be controlled as part of the dispense system automatic recirculation program, or by a simple on off switch. The fabrications include two threaded ports for easy connection of suction and return fluid connections and include lifting points for either strap or forks.

Products CA9, CA9H, and CA9E (pictured here)



8 WHEEL BARREL DOLLIES / SKATES (CA10)



8 wheeled dollies enable easy movement and positioning of drums / barrels – essential in tight spaces.

PRESS RETURN STORAGE RACKING (CA14)

Initially designed by our engineers for an internal stock project, the racking quickly evolved as press return storage racking offering an effective solution designed to suit your available space



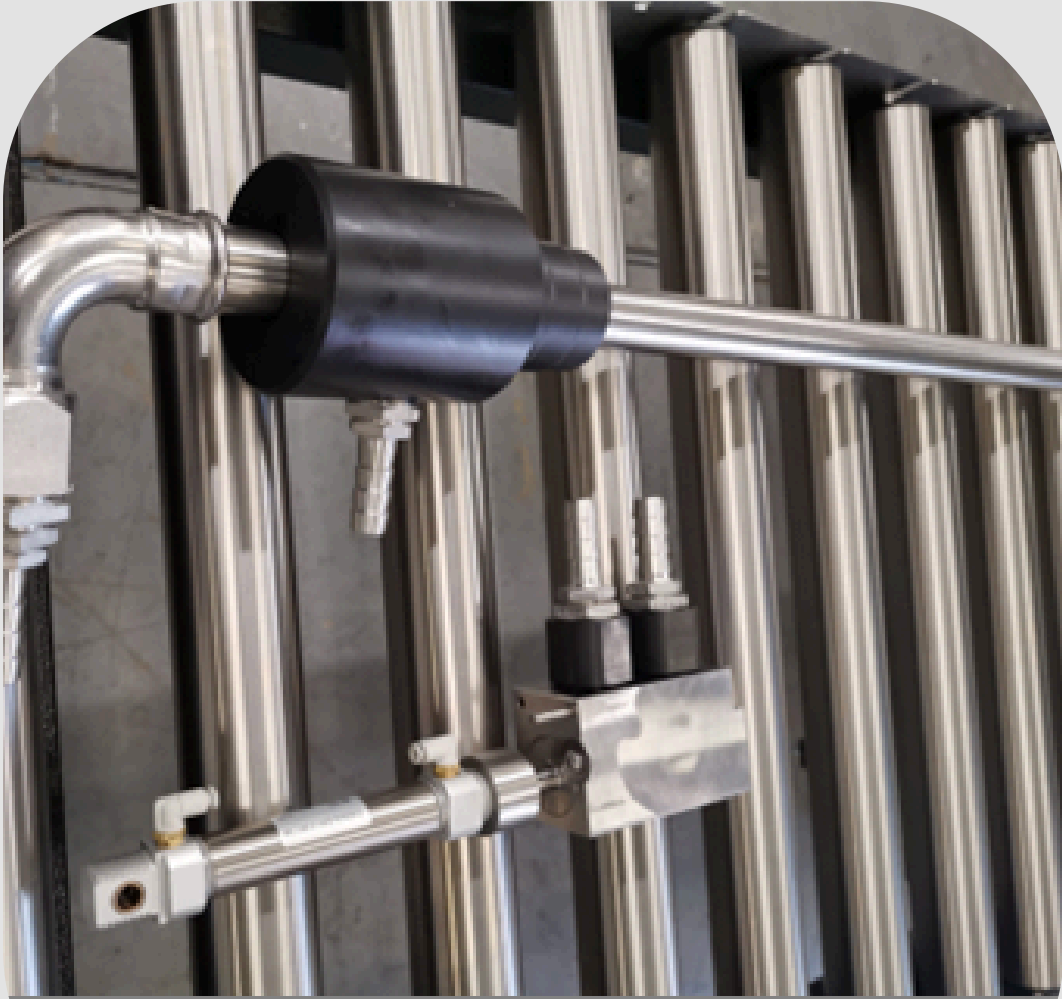
PROJECTS



Using modular formats, we can easily mix and match items from our extensive range to meet project deliverables. If you have any dispensing enquiries, or would like advice regarding what options are available, please email us on sales@inovexsystems.com where one of our team will gladly support you.

Further Automation

Automated delivery system using AGV (automatic guided vehicles) – taking automation beyond dispensing, and delivering finished product to its usage area.





SERVICES AND SUPPORT



ANNUAL SYSTEMS SUPPORT Contracts

Inovex offers annual Systems Support Contracts to provide remote and diagnostic support. You know that your support needs will be met by Inovex experts quickly with our commitment of first response within 24 hours.

One Systems Support Contract covers you for all your Inovex support needs, even you have different systems in different countries run by different teams. Under Systems Support Contract, you can lodge support issues for machine and software including general troubleshooting, fault diagnostics, software guidance and etc. You will be given access to Inovex Support portal to raise your support requests and to track your requests.

Customer Care

Inovex has it all covered and supports you through every stage of specialised blend solution; from inception of the first idea, design and development, through to final testing, commissioning and in service support.

SCHEDULED MAINTENANCE Contracts

Available in 1 to 5 years plan, you could ensure that your system is in the highest level of preventative maintenance care. By choosing the Scheduled Maintenance Contract, the Inovex experts will come to your site and carry out the scheduled maintenance to address the needs of the machines.

You are guaranteed:

- Maintenance services performed to Inovex specifications
- Parts and labour inclusive
- Latest knowledge and insight on your system
- Additional indicators or parts that shall be addressed



EMERGENCY Support

Sometimes emergency support is required to resolve an issue either on site or remotely. Remote support & guidance is covered by Annual Systems Support Contract or Scheduled Maintenance Contract. On site support is provided at a daily rate.

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