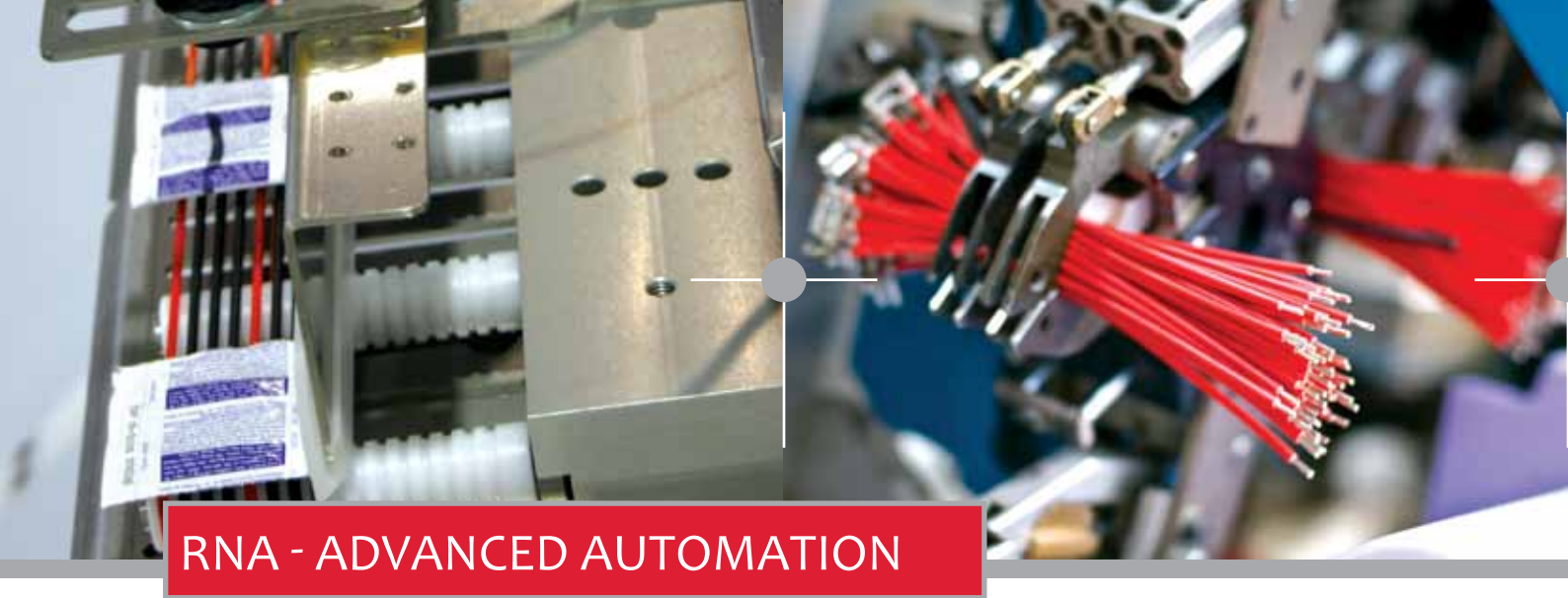


RNA The Specialist Handling Range



The demands on today's industry have never been greater. Shorter product life cycles, small batch sizes and constant product upgrades are now the norm. RNA has responded to this environment by developing a range of automation solutions flexible enough to meet these challenges. Solutions which are capable of handling multi-products and product additions, with high efficiency and which have simple and fast changeover to minimise downtime.

RNA are at the forefront of automation technology, delivering market leading solution to the world's most successful manufacturers



- Leading edge technology with the very best in speed and reliability giving you the competitive edge.
- An unrivalled portfolio means that our automation experts are able to offer unique and exciting solutions tailored to your business objectives.
- Fast and flexible, our solutions offer rapid payback and 'future proof' your investment.
- In a history of over a century and with over 2000 systems supplied annually RNA have earned a reputation for the highest quality combined with value for money.





SACHET & POUCH HANDLING

RNA sachet and pouch feeding handling systems are versatile high speed units with the ability to singulate and equally pitch non uniform and flexible components. Pouches, sachets, cereal bars, salted snacks and bagged toys are a few examples. The systems have been developed to receive components from bulk, separate, and equally pitch discharging out on to the down stream equipment. Loading carton erectors, flow wrappers, multi bag stations and delivery to high speed flex picker type robots are common examples of the systems capabilities.

A uniquely versatile system that solves the perennial problem of handling pouches and sachets





- No other standard system can deliver pouches and sachets at such high volumes, generally providing spare capacity to avoid future bottlenecks.
- Minimal changeover required between different product types, which almost eliminates production 'down time'.
- First choice of packaging and food processing industry leaders with a proven record of providing an exceptional return on investment.
- A standard platform, which offers versatility, gentle handling and low noise to meet modern factory standards.



VISION GUIDED ROBOTS

RNA robotic and vision guided handling systems are versatile units, that have the ability to singulate and manipulate a diverse range of components, including plumbing fittings, plastic mouldings and confectionery. The systems have been developed to automate components from bulk, inspect manipulate and place into the down stream equipment. Machine loading, batch sorting and quality inspection are common examples of the systems capabilities.

Flexible systems based on a standard platform to solve a wide range of handling tasks and with multi-industry applications





- Very user friendly system. Easy to program new or modified parts and needing very little operator training.
- Fast and simple changeover for an almost limitless range of product variants. Flexible enough to justify automation even for small batch runs.
- 'Plug and play' design for easy integration with a wide range of production equipment.



BOTTLE HANDLING

RNA bottle handling systems are versatile high speed units with the ability to manipulate larger bottles and containers including glass jars, trigger pump sprays and deodorant sticks. The systems have been developed to receive large components from bulk, and gently orientate on to the down stream equipment. High speed bottle filling lines, label applicators and rotary assembly machines are easily integrated with the stand alone systems.

Industry leading systems capable of extremely high speeds whilst maintaining gentle handling of the product





- Solves the problem of handling larger than normal bottles with the same repeatable quality of performance.
- The unique ability to orientate bottles for handle position and invert for air rinsing operations.
- Minimal changeover between bottle sizes, with quick adjust tooling to minimise the costs of lost production.
- Can supply filling and capping lines at extremely high speeds, for maximum efficiency.

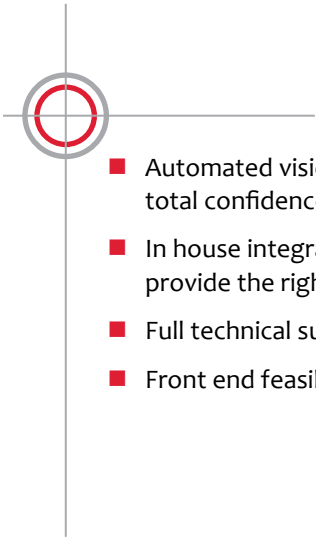


VISION INSPECTION

RNA automated vision inspection systems are turn key solutions designed for a broad spectrum of components. Quality control checks, OCR (character recognition) and bar code reading applications are a few examples. The systems have been developed to meet high speed quality control requirements for 100% inspection. Our experience with handling systems is key to offering a total solution when integrating vision software. Typical projects start with an evaluation of the vision parameters in order to provide a complete machine.

Reliable, accurate high speed solutions
from a single source supplier





- Automated vision inspection provided as a turn key system for total confidence of supply.
- In house integration of a wide range of camera technology to provide the right solution every time.
- Full technical support with remote diagnosis capability.
- Front end feasibility studies for complete peace of mind.



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