

CASE STUDY. CANNING MACHINE PILOT LINE.

REQUIREMENTS.

Our client that manufactures liquid perishable goods tasked us with developing a pilot scale canning machine.

It was necessary for the canning machine to be able to handle a pilot-scale production capacity, suitable for small-batch production runs.

CONCEPT.

The canning machine prototype comprised of a manually input/output*, single fill, single seem system. The machine design is modular and compact, engineered from lightweight materials ensure a user-friendly, portable solution.

OUR DELIVERY.

- Concept
- Mechatronic design
- Build
- Development
- Commissioning

The machine needed to be easy to clean and sanitize to ensure food safety standards are met. The canning machine needed to have a small footprint, ideally be table top to have the flexibility of moving when required.

IMAGE 1 – 1st Operation

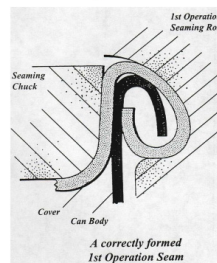
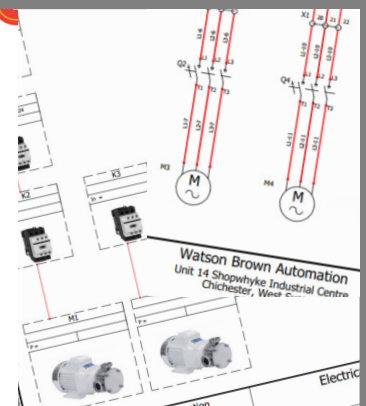


IMAGE 2 – 2nd Operation



*The second phase of the project is to design a rotary buffer table that feeds cans in and out of the machine.

SOLUTION.

The final solution was a compact, table-top canning machine designed for small-scale producers. With a modular build, intuitive controls, and advanced automation, it enhances efficiency and adaptability. A durable yet lightweight design ensures easy transport, while an innovative sealing mechanism guarantees reliability with minimal waste, redefining canning technology.

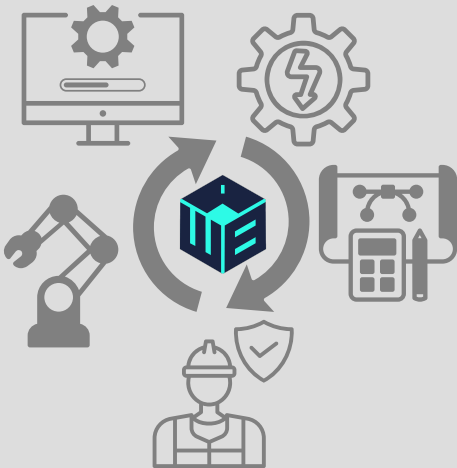
SUMMARY.

The canning machine pilot line enables our client to can their small batches without using external contractors. The small form factor enables them to store the unit when not in use. Whilst this machine is manually fed, there is the possibility to automate the feed and exit of cans in the future.

WHAT WE DO. WE DELIVER AUTOMATION SOLUTIONS.

We are living in the age of automation, and that means that we can improve our industrial processes by improving safety, increasing yield and lowering costs.

At Watson Brown Automation, we don't just talk about; we live and breathe Industrial Automation. We have assembled a team of the best and brightest minds in delivering turnkey mechanical, electrical, instrumentation, control and automation solutions, giving our clients access to the most cutting-edge technology. You can rest assured you're in good hands, as we have years of experience across industry sectors developing automated systems.



OUR EXPERIENCE.

- Turnkey solutions
- Obsolescence upgrades
- System integration
- FEED study
- Process improvement
- Planned preventative maintenance
- Fault finding

OUR SERVICES.

- Electrical / mechanical site services
- Mechanical design and build
- PLC programming
- Safety related control systems
- SCADA / HMI programming
- Robot programming
- Electrical / control system design
- Control panel manufacture

WHAT NEXT. ONE. TWO. THREE.

1

CONTACT US

Contact our friendly team via phone or e-mail.

2

USER REQUIREMENTS

We can support you to clearly define your user requirements.

3

QUOTE

We supply a no obligation quote.