

# Ciject One™ Resin Injection Machine (patent pending)

Part No. XE-1000



TOOLING . MOULD ANCILLARIES . TRAINING . EQUIPMENT . TURNKEY SYSTEMS . TOOLING . MOULD ANCILLARIES . TRAINING . EQU

Composite Integration Ltd

is dedicated to

providing sophisticated

and practical resin

injection technology.

The Ciject™ is available to

a range of specifications

to suit the user's exact

requirements and offers

superb engineering at

competitive

prices.



## Ciject One™ Resin Injection Machine:

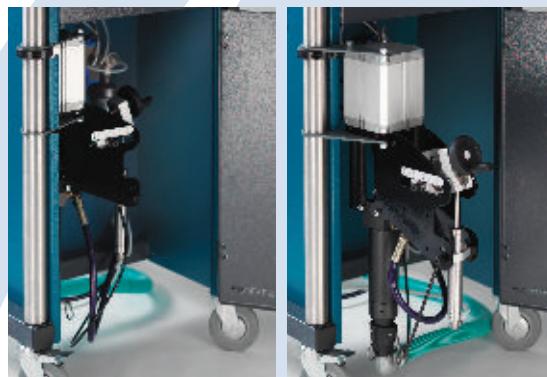
The Ciject™ range combines an unrivalled level of sophistication with ease of operation. Coupled with exceptional design and uncompromising engineering quality, this represents a significant landmark in injection equipment development.

The end result of an unprecedented body of design and engineering development work, the new Ciject ONE has been production tested in a wide variety of applications with outstanding results. It includes many unique design features placing it firmly at the forefront of machinery development, providing both commercial and technical benefits.

The Ciject™ has been designed specifically with one purpose in mind; to meter, mix and inject resin and catalyst under optimum control with the minimum maintenance and operator intervention.



*Unique pivoted pump mounting - allows easy access to entire pump assembly for maintenance*



*PLC control- Simple push-button intuitive operator control and injection parameter set-up*



Unit 21F, Brunel Road,  
Saltash Industrial Estate,  
Saltash, Cornwall PL12 6LF UK

Telephone: +44 (0)1752 849998

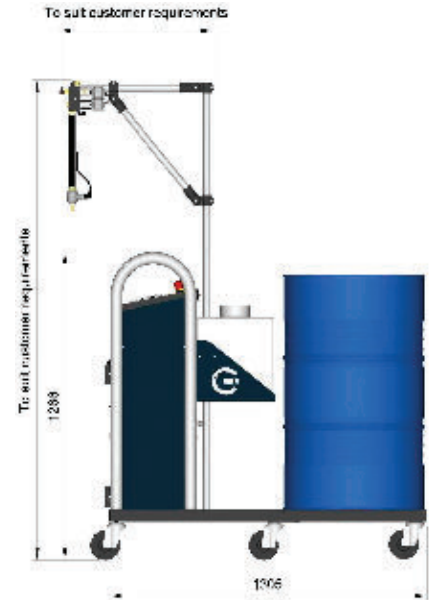
Fax: +44 (0)1752 849808

E-mail: [info@composite-integration.co.uk](mailto:info@composite-integration.co.uk)

Web: [www.composite-integration.co.uk](http://www.composite-integration.co.uk)

## Options:

- Individual control and programming solutions by request.
- Automatic injection valve.
- Spares kit.
- Service-exchange mechanical assemblies for efficient maintenance.
- IBC connection kit.
- Drum handling equipment.
- Boom length and orientation can be specified by customer.
- 1 day training is included in the price of the standard machine. Further training and technical assistance is available on request.



## The machine offers the following features:

- High precision, purpose built, self-priming metering pumps.
- Advanced pump seal technology preventing leaks without the need for lubrication.
- Infinitely variable catalyst ratio adjustment (0.5-4%).
- High output (up to 10L/min).
- Unique pivoted pump mounting- allows easy access to entire pump assembly for maintenance.
- Lockable cabinet houses all moving mechanical components for operator safety and cleanliness.
- PLC control- Simple push-button intuitive operator control and injection parameter set-up.
- Intelligent control to prevent operator error - Catalyst and resin valves automatically positioned for injection or re-circulation, Solvent flush interlocked to prevent accidental operation during injection.
- Alarm monitored Injection 'Pause' control- Enables operator to safely stop/start during injection process.
- Alarm monitored 'Gel-Timer'- Indicates flushing required.
- Accurate PID pressure monitoring for precise low pressure control when used in vacuum-RTM applications.
- Compact and ergonomically designed injection head features integrated automatic recirculation valves.
- Unique maintenance free solvent flush system.
- Easily removable resin pick-up pipe assembly with in-line filter.
- Machine frame includes resin barrel stand for maximum manoeuvrability.
- Boom- Supports the injection head in the most convenient position.
- Operates from standard workshop air supply. 110/240V to suit requirement.