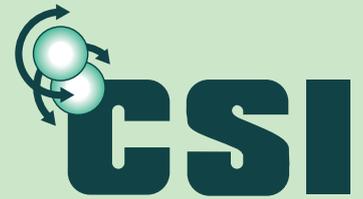


# Control Systems

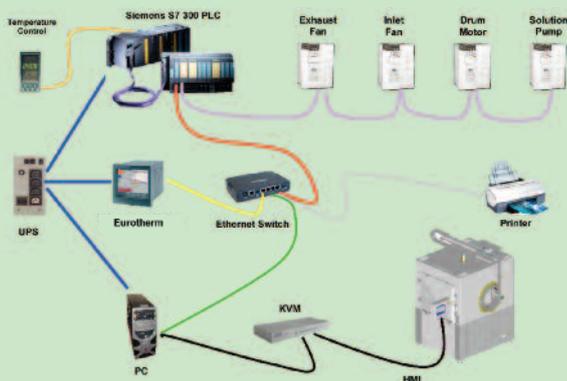


## CoTech Control System

The **CSI CoTech™** control system has been designed to control a side-vented coating machine. It has a number of modes of operation but can be used for aqueous and organic film coating or sugar coating. It can be supplied with full machine wash or clean in place (WIP / CIP).

The system has been designed in accordance with GAMP by a very experienced internal software team. The PLC based control has an operator panel along with facilities to data log with a 21 CFR compliant recorder. The system can be tailored to your requirements with setpoint storage or full recipe control. The user-friendly approach to operation is based on operator use.

Cotech control systems can be supplied with a new **TechniCota™** or as an upgrade for existing machines of any manufacturer or size.



## System Architecture

CoTech is designed to be user friendly for the operator. For ease of maintenance, all device configuration is available to customers. There are comprehensive engineering screens, but only available with the required access level.

## System Control

- **Consistency** – CoTech controls all motors and fans via variable frequency drives.
- **Security** – All systems have security levels to control access by users.
- **Interfacing** – CoTech is a flexible system and can interface with any of your specific requirements.
- **Accuracy** – fast acting loops such as temperature control are handled by dedicated controllers.

## Quality

All components are from internationally available manufacturers. Software is developed in house under the control of company procedures and management systems to ISO9001. Panel build and machine wiring is conducted in house by qualified engineers to recognised UK and CE standards



## Panel design and build

Installation time is kept to a minimum:

- All systems are designed to EN60204.
- When necessary, ATEX standards are used.
- Full design documentation is supplied to customer.
- Site acceptance test documentation supplied as standard.
- Installation can be managed, or conducted by CSI.

CSI is part of Lark Technology Group. All panel design and build is undertaken by Lark Technology, under the control of Coating Systems.



## Spare Parts

A wide range of very competitively priced spare parts, are available for all your coating needs. Including, spare parts for nozzles, using aqueous and organic solvents. A current price list is available from our web site at [www.coatingsystems.co.uk](http://www.coatingsystems.co.uk)

### Standard components

<b>PLC</b>	Make	Siemens / Mitsubishi / Allen Bradley
	Model	300 / Q002 / L32E
<b>Inverter drives</b>	Make	Siemens / Mitsubishi
<b>Switch gear</b>	Make	Telemecanique / Merlin Gerin
<b>Temperature controllers</b>	Make	Eurotherm
<b>Paperless Data logging recorders</b>	Make	Eurotherm
<b>Safety systems</b>	Make	Pilz
<b>Hazardous area isolation</b>	Make	MTL / P&F
<b>Human Machine Interface (HMI)</b>	Make	Extronics (ATEX)
<b>Control voltage</b>	Type	24 VDC
<b>Communications</b>	Type	Profibus / Ethernet
<b>Personal Computer (PC)</b>	Type	Dell

### Screens

