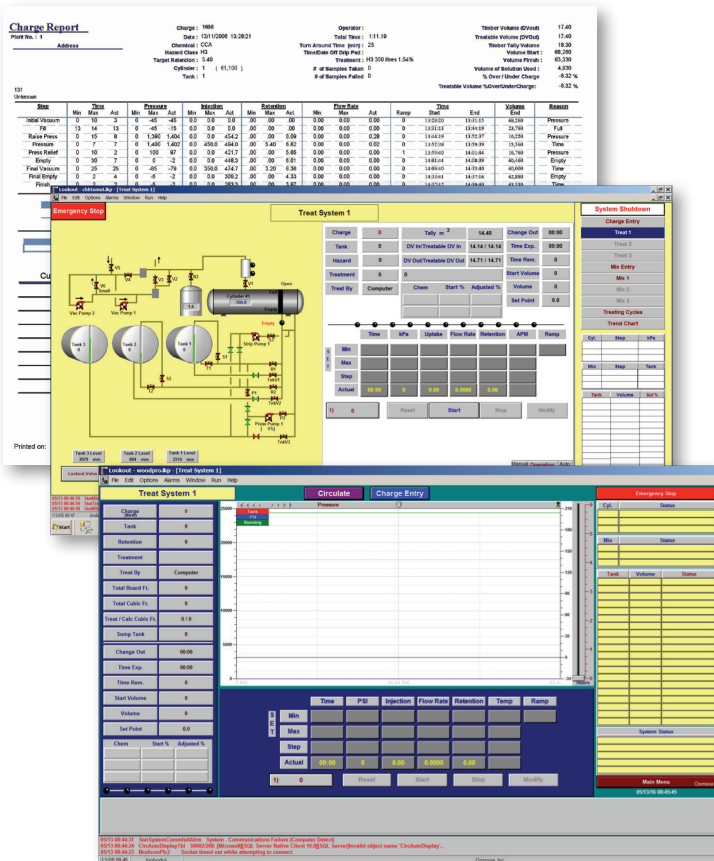


Process Control System

Have greater control over your operation!



Designed and developed by Koppers engineers, the Koppers Process Control System (PCS) has been designed to meet the requirements of customers who demand the highest level of process control and information management.

- Better manage your treatment costs
- Produce management reports
- Interface with your accounting system

PCS KEY FEATURES

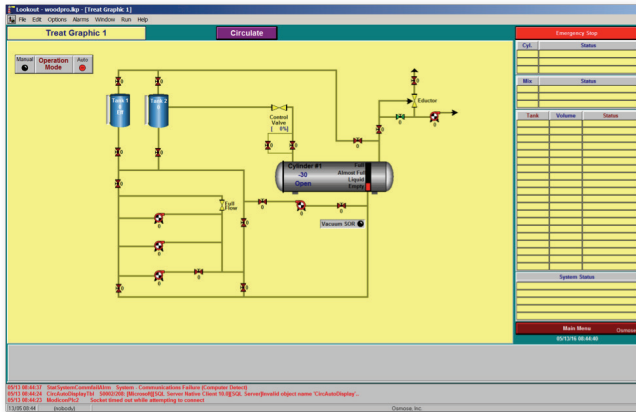
- The Koppers PCS can be fully customised to suit your unique operation
- Full automation or manual override
- Detailed charge by charge information including reconciliations
- Detailed process information
- Interface with inventory control and accounting systems
- Security and access protocols
- PCS can manage up to three treating cylinders simultaneously
- Phone support and remote log-in
- Flexible system allows new formulations and or process cycles to be added or modified at any time
- Automated backup system
- Data search function

Koppers PCS is suitable for use with all Koppers high and low pressure preservative systems including:



Process Control System

Have greater control over your operation!



Example of a treatment charge in progress

Charge Report

Charge: 1001 Operator: Timber Volume (D/Div): 17.40
 Plant No.: 1 Address: Date: 15/07/2007 13:28:21 Total Time: 1:11:59 Timber Volume (D/Div): 17.40
 Chemical: CCA Turn Around Time (min): 25 Timber Total Volume: 19.30
 Hazard Class: H3 TreatData Off Dis. Pct: Volume Start: 65.200
 Target Retention: 6.00 Treatment: H3 300 Sites 1.54% Volume Final: 65.200
 Cylinder: 1 (61.100) # of Samples Taken: 3 Volume of Solution Used: 4.800
 Tank: 1 # of Samples Filled: 3 % Over/Under Charge: -4.32%
 Treatable Volume % Over/Under Charge: -4.32%

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 Ureaform

Site	Min	Max	Act	Min	Max	Act	Min	Max	Act	Min	Max	Act	Min	Max	Act	Min	Max	Act	Reason
Initial Volume	0	13	3	0	-45	-45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Pressure
Fg	13	14	13	0	-45	-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Full
Ready Press	0	15	8	0	1.340	1.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Pressure
Pressure	0	7	7	0	1.400	1.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Time
Press Relief	0	10	-2	0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Pressure
Empty	0	30	7	0	0	-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Empty
Final Vacuum	0	20	20	0	-80	-79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Time
Final Empty	0	7	4	0	0	-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Empty
Final	0	2	2	0	0	-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Time

Customer: Pkt #: Reference: Description: Depth: Width: Length: m³

CMR119550	43903	Decking	0	0	0	2.00
CMR119544	43903	Decking	0	0	0	2.00
CMR119540	43903	Decking	0	0	0	2.00
CMR119542	43903	Decking	0	0	0	2.00
CMR119546	43903	Decking	0	0	0	2.00
CMR119534	43903	Decking	0	0	0	2.00
H1443	43331	Machine Gauged	0	0	0	1.30
DPKTS	RETSRAT	Ply	0	0	0	5.00

Printed on: 15/07/2007 13:20:51 Plant Number: 1 Charge Number: 1005 Page 1 of 1

Example of a charge sheet

- **High Quality Components...**
are used to automate your treatment plant.
- **Two PC's ...**
are used in a network, in case one PC fails the other one can continue to run your plant.
- **Uninterrupted Power Supply (UPS) and surge protection ...**
is always installed to minimise interruption.
- **User friendly ...**
and easy to learn interface.
- **Safety system ...**
logs all plant actions and alarms.
- **Emergency notification ...**
with telephone or paging system.
- **Automatic top up mix system ...**
calculates chemical additions - then controls the additions with a single button click.
- **Tank circulation can be automated ...**
can be left running as it will pause when the tank is in use for treating.
- **Allows easier troubleshooting of hardware problems.**

Training and ongoing support:

On-site training will be supplied by your Koppers® Territory Manager. Back-up and support is just a phone call away as most questions should be able to be dealt with over the phone.

Our representatives are also able to provide on-site assistance during our service calls.

Koppers Performance Chemicals Australia Pty Ltd

Telephone 1800 088 809

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