

PRETREATMENT AUTOMATION SYSTEM

Master Automation & Robotics



AN INTELLIGENT TRANSPORTER SYSTEM WHICH CAN TAKE DECISION AND TUNE THE SYSTEM FOR THE BEST POSSIBLE OUTPUT IN MULTIPLE TANKS

FEATURES

Optimization of Output & Quality for Pre-treatment Plant

- Multiple transporter heads
- Shuffled tank layout
- Toggling of Loading / Unloading Stations
- Job dunking and tilting
- Basket based or flight bar based
- Automatic transfer system from transporter to painting conveyor
- Flexible parameter setting
- Display and monitoring of system / process status
- Display of error message for diagnostics
- Information related to tact timing data
- Logging of process parameters & statistical process analysis on computer

AREA OF APPLICATION

- Pretreatment Plant
- Surface Coating
- Paintings Lines
- PCB Lines
- Electro Plating & Deposition





NOT ONLY PROCESS CONTROL; BUT OPTIMUM THROUGHPUT

SCADA FEATURES

- Communication with any equipment
- Historic Data
- Alarm Logs
- Event Logs
- Graph Reports
- Recipes
- Data Base Connectivity
- Access Control

Transporter System
Tank Info Result Report

Date : 26/08/2011
Time : 10:00:45

Chart Description		Desc of chart 1		Warnings :	
Chart ID	Tan 1				
Cycle Time	326.0				
Tank	Head	Header	Header		
Load Discharge	71.0, 124.1	Acid Cleaner (2)	Acid Cleaner (2) L/R 2, Drop 2		
Acid Cleaner	37.6, 56.1, 279.1	Spary Rinse (2)	Water Spary Rinse (2) L/R 2, Drop 2		
Spary Rinse	311.6	Water Rinse (2)	Sulphuric Acid (2) L/R 2, Drop 2		
Misc Wash	96.1	Water Spary Rinse (9)	Sulphuric Acid (2) L/R 2, Drop 2		
Water Rinse	182.6	Water Spary Rinse (12)	Spary Rinse (12) L/R 2, Drop 2		
Water Spary Rinse	127.6, 146.1	Dryer (14)	Spary Rinse (12) L/R 1, Drop 2		
Sulphuric Acid	171.6, 211.1	Acid Cleaner (15)	Copper Rinse (22) L/R 2, Drop 1		
Copper Plating	237.6				
Water Spary Rinse	321.1				
Sulphuric Acid	254.1, 221.6				
Tin Plating	248.1, 266.6				
Tin Plating	302.6				
Water Spary Rinse	37.6				
DI Water Rinse	267.1				
Dryer	126.6				
Acid Cleaner	44.6				
Misc Wash	86.1				
Tin Plating	181.1				
Load Discharge	226.6				
Spary Rinse					
Copper Rinse					

Tank	Tank Description	Drop Time (Secs)	L/R
1	Load Discharge	81.0, 124.1	102
2	Acid Cleaner	37.6, 56.1, 279.1	37.6
3	Spary Rinse	311.6	252
4	Misc Wash	96.1	285
5	Water Rinse	182.6	102
6	Water Spary Rinse	127.6, 146.1	127
7	Sulphuric Acid	171.6, 211.1	211
8	Copper Plating	237.6	234
9	Water Spary Rinse	321.1	117
10	Sulphuric Acid	254.1, 221.6	204
11	Tin Plating	248.1, 266.6	248
12	Water Spary Rinse	302.6	11
13	DI Water Rinse	37.6	60
14	Dryer	267.1	60
15	Acid Cleaner	126.6	18
16	Misc Wash	44.6	68.6
17	Tin Plating	86.1	134
18	Load Discharge	181.1	110
19	Spary Rinse		226
20	Copper Rinse	226.6	

RANGE OF PRODUCTS - Custom Built and Robotic Systems, En-Masse Conveyors, Pretreatment Automation System (Transporter), Assembly and Testing Line Automation (Chain, Roller, Belt, Slat), Overhead Chain Conveyors, Electrified Monorail Systems (EMS), Pick-and-Place Systems, Scissor Lifts, Dock Levellers, Ball Transfer Units, Flow Racks, Goods Elevator

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