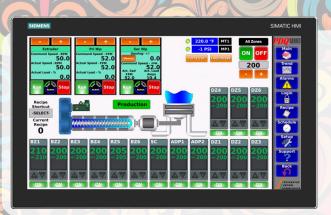




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www.integratedcontroltech.com



SIMPLY BRILLIANT!

OUR DESIGN WAS BUILT AROUND SEVERAL KEY PRINCIPLES:

- I. IT MUST BE EASY FOR A NEW OPERATOR TO USE
- 2. STOP OPERATORS FROM DAMAGING EQUIPMENT
- 3. IMMEDIATELY AND SPECIFICALLY IDENTIFY PROBLEMS
- 4. PROVIDE PROCESS DATA FOR BETTER PRODUCTION

"You Make Me Feel Brand New" - The Stylistics

COLOR ENHANCED DESIGN

OPERATION IS MADE EASY WITH INTUITIVE COLORS. IF ITS TOO HOT, THE NUMBERS ARE RED, TOO COLD THEY ARE BLUE, AND IF JUST RIGHT THEY ARE GREEN! WARNINGS ARE YELLOW, AND FATAL ALARMS RED! ARROWS FOR HEATING ARE RED AND COOLING BLUE! SIMPLE AND EASY TO UNDERSTAND, EVEN FOR A NEW USER. CAN YOU DIG IT?

"It's So Easy" - Linda Ronstadt



Stop damage beforehand





DON'T TRAIN NEW EMPLOYEES ON WHAT "NOT" TO DO, JUST DON'T LET THEM DO IT, PRETTY SIMPLE, HUH!? OUR SYSTEMS LIMIT POTENTIAL DISASTERS BY NOT LETTING A NEW USER CHANGE RECIPES OR START THE SYSTEM UP IN ZONES THAT ARE OFF OR TOO COLD! DON'T LET THEM DO IT, BECAUSE YOU KNOW THEY WILL TRY AND FREAK OUT OR BE TRIPPIN'!

"Hold The Line" - Toto

PREVENTATIVE DIAGNOSTICS

YOU HEARD THAT RIGHT! PREVENTATIVE DIAGNOSTICS! THESE ARE NOT THE NOTIFICATIONS TELLING YOU THE SYSTEM HAS BUMMED OUT, NO SIR! THESE NOTIFICATIONS ARE DESIGNED TO TELL YOU THAT YOU HAVE TROUBLE COMING, BEFORE TROUBLE COMES! WE LET YOU KNOW THINGS LIKE...YOUR DRIVE IS GETTING TOO HOT, SO IS YOUR MOTOR, BETTER CHECK YOUR ENCLOSURE, CHECK YOUR GEARBOX OIL TOO, YOUR DRIVE IS IN NEED OF REPAIR, AND YOUR SCREW LIFE IS REACHING IT LAST FEW TURNS...ALL BEFORE YOUR LINE FREAKS OUT AND FAILS!

QUIT WASTING YOUR TIME



THE MAJORITY OF MAINTENANCE DOWNTIME IS ASSOCIATED WITH TRYING TO FIGURE OUT WHY A SYSTEM HAS STOPPED WORKING PROPERLY, BUT OUR SYSTEM TELLS YOU EXACTLY WHAT, WHERE AND WHY THE PROBLEM OCCURRED IN PLAIN LANGUAGE. ALONG WITH VISUALIZED I/O STATUS FOR TROUBLESHOOTING HARDWARE, WE CAN EVEN CONNECT TO YOUR SYSTEM AND HELP.

"I'm Not Going to Let it Bother Me Tonight - ARS

YOUR DATA OUTTA SIGHT?

PLC'S DON'T REMEMBER MUCH, BECAUSE THEY CAN'T, BUT OUR SYSTEM REMEMBERS EVERYTHING AND MAKES IT ALL EASILY ACCESSIBLE. ACCESS PROCESS DATA THROUGH SQL, FILEZILLA OR EVEN A FLASHDRIVE...NO MATTER HOW, WE GOT WHAT YOU NEED! QUIT OPERATING IN THE DARK AND PARTNER WITH SOMEONE THAT HAS A FLASH LIGHT...SPOT LIGHT...NEON LIGHT!

"Flashlight" - Parliament





GIVON STARCE FLASH & PLUS

PRE-ENGINEERED DESIGN TO REMOTELY MOUNT THE MAIN BREAKER ISOLATING HIGH VOLTAGE FROM THE MAIN CABINET WHILE STILL PROVIDING 24VDC TO POWER DIAGNOSTICS, DIG IT!? A VARISAFE PANDUIT NON-CONTACT VOLTAGE DETECTOR IS MOUNTED ON THE DOOR OF THE ENCLOSURE FOR VISIBLE AND TOUCH-POINT VERIFICATION OF VOLTAGE.

"Blinded by the Light" - Manfred Mann's Earth Band

We can check you out

It's always nice to have someone looking over your shoulder when trouble comes, and that is what we can do with an Ewon and an internet connection. No workies big daddy, we aren't crashing your firewall, we're talking to the man in the cloud and lending a helping hand!

"I Need You" - America





See it from there

USUALLY WE MOUNT THE BIG MONITOR ON THE MAIN ENCLOSURE DOOR, BUT YOU CAN MOUNT IT ANYWHERE ELSE! WE CAN ADD A "CLASSIC" ROCKER ARM, A SEPARATE PEDESTAL, OR YOU CAN PUT IT IN YOUR ENCLOSURE! YOU CAN EVEN SEE IT ON YOUR PHONE OR TABLET! NO NEED TO SPAZ, WE CAN DO WHATEVER WHEREVER DUDE! YOU JUST LET US KNOW HOW YOU WANT IT.

"Any Way You Want it!" - Journey

SMOOTH MOVE MELT PUMP

YOU DON'T NEED TO BUY A SEPARATE MELT PUMP CONTROL; WE CAN ADD THAT TO OUR SYSTEM WHERE IT BELONGS, NO PROBLEMO! ONE SOLUTION, CONSISTENT CONTROL, AND CONFIDENCE IN THE QUALITY OF YOUR PRODUCTION. IT'S DYN-O-MITE!!

"Walking in Rhythm" - The Blackbyrds



OTHER COOLSTUFF

CHILL "ROLL" OUT, Man!

©CHILL ©ROLL ©CONTROL

ANOTHER PART OF OUR GROOVY PRE-ENGINEERED SOLUTIONS IS THE COORDINATION OF THE CHILL ROLLS WITH THE EXTRUDER. THIS ISN'T SOME JIVE THING WE THREW TOGETHER, IT IS PART OF OUR EXISTING DEVELOPMENT THAT YOU CAN DEPLOY WITH CONFIDENCE, KNOWING IT HAS BEEN PROVEN AND INSTALLED IN MANY OTHER PEOPLES PADS. YOU CAN ASK FOR IT BY ITS NAME, CRC, OR JUST SAY. "LAY SOME CHILL ON ME!" WE'LL CATCH YOUR DRIFT! "Three Times a Lady" - The Commodores

THE HEART OF YOUR LINE

THE EXTRUDER DRIVE IS THE HEART OF THE LINE AND WHEN IT BUGS OUT, EVERYTHING STOPS. STILL RUNNING DC? BUMMER! It'S TIME FOR AC, AND THAT'S NO SWEAT FOR ICT; WE HAVE ABOUT 1,000 OF OUR ACPAK DRIVES RUNNING ON EXTRUDERS ALL ACROSS THE US. DUDE, ICT CAN EVEN SHIP SYSTEMS IN 24HOURS, AND THAT AIN'T NO JIVE!

"Heartbeat, It's a Lovebeat" - The DeFranco Family



MECHANICAL NEEDS



YEP, WE ARE EXPANDING OUR OFFERING TO INCLUDE ALL THAT OTHER STUFF YOU NEED. ASK US ABOUT NEW AND REBUILT SCREWS (YA KNOW, IF YOU USED OUR CONTROL YOU WOULD QUIT BREAKING THEM!) WE ALSO ARE NOW WORKING WITH A GEARBOX REBUILDER AND CAN GET YOU BACK UP AND RUNNING FASTER AND FOR LESS MONEY THAN BUYING A NEW ONE!

"All I Ever Need is You" - Sonny & Cher

MAINTENANCE AGREEMENT

NOTHING LAST FOREVER, EVEN THE GROOVY SEVENTIES! WE OFFER SUPPORT FOR YOUR SYSTEM FOR YEARS TO COME WELL BEYOND THE WARRANTY PERIOD. WHETHER YOU CHOOSE TO HAVE AN ANNUAL AGREEMENT, OR SUPPORT ON DEMAND, EITHER WAY, WE HAVE YOUR BACK, JACK!

"I'll Be There" - Jackson 5





BUILD IT FOR 1

AC EXTRUDER DUTY PACKAGE









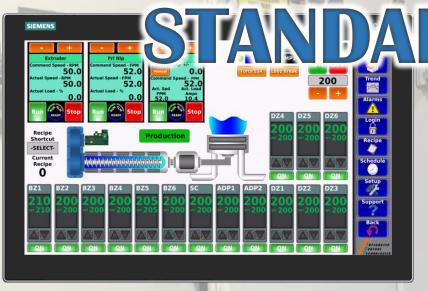








CUSTOM SYSTEMS



INSTALLED BASE PROVEN DESIGN





ELIMINATE RISK MARKET LEADER

Risk Assessment Form

Although plastic machinery may be operating, it doesn't mean that there is not a significant risk for extended downtime. The following is a means of measuring risk and determining the urgency of your need for an upgrade:

use one form per line

Inswer the follow	wing Questions		A Y	/ES	NO
s your system in violation of the National Electric Code or a safety concern? (Systems from China, Taiwan, and those done internally are suspect) DANGER					
Is the extruder more th	an 20 years old?				
Does the manufacturer of the extruder no longer exist or been purchased by another company?					
Does the manufacturer of the control system consider it obsolete and no longer available?					
Are any of the software or components used in the control system considered obsolete?					
Are some portions of your extruder control non-operational?					
Are you using eBay as o	one of your suppliers?				
Has the door ever been left open with a fan blowing in the enclosure? Insufficient cooling					
Has there been any undocumented changes to the extruder control system?					
Is your control wiring outside wire ducts making troubleshooting difficult?					
Does the extruder control system contain mercury relays?					
Has the screw ever been damaged because an operator started into a cold zone?					
Has there been a run-a	as there been a run-away heater condition that caused damage or downtime?				
Are there DC Drives and	d Motors in use on the extruder?				
Have you experienced more than 3 days of unscheduled downtime because of a maintenance issue?					
Does someone come in early to pre-heat the extruder?					
Is process data collecte	d by hand?				
Total Number of "Yes" Answers					
Low	Medium	High	Very F	ry High	
0 1	2 2	F C -		_	

Low Risk = Your need is not urgent

Medium Risk = You have a need and should start the planning process

High Risk = Your need is urgent and you should try to upgrade your line within the next few months

Very High = Your need is critical and you should upgrade your line immediately

Control System Evaluation Form

Selecting an established solution that is used within the plastics industry, is a better investment than getting something custom developed. A proven solution minimizes risk as well as provides you with a richer feature set. Pre-engineered solutions are even better because they offer the greatest "bang for the buck" in terms of reliability and features at a lower cost. A product evaluation could be done by reviewing a specification sheet or better yet, a product demonstration which would give you more insight into the product design itself.

Answer the followin	g Questions						YES	NO
Does the operator screen ap	pear to be easy to	use and int	uitive?					
Does the operator or main p	age have a graphic	cal represen	tation of the	system?				
Does the product sense a sh	Does the product sense a shorted solid-state relay and alert the operator?							
Does the product have cold	Does the product have cold zone inhibit?							
Does the product have recip	es and recipe sche	duling?						
Does the product have an I/	O status page for t	roubleshoot	ting?					
Does the product have trend	ding and data colle	ction?						
Does the product have an al	arm log?							
Does the product have a maintenance log?								
Does the product have preventative maintenance scheduling?								
Does the system have configurable security levels?								
Can the screens be viewed r	emotely?							
Is the system pre-engineere	d?							
Does the system sense a bro	ken probe and fail	ing heater?						
Has the system been applied to various extruder manufacturer's products allowing for standardization?								
			Total N	umber o	f "Yes" Aı	nswers		
Run Away	Poor Valu	e	Good	Value	ı	/ery Qua	lified	
6 7 8	9	10	11	12	13	14	15	

Run Away = This product should not be considered in the evaluation

Poor Value = Although it can be considered, it should not be considered an equal to other products

Good Value = This product should be considered as a possible solution

Very Qualified = This product would be the best choice for your solution

Vendor Evaluation Form

It is possible to get pricing for an upgrade from many sources that claim to have the expertise necessary for a successful project. Unfortunately, selecting the wrong vendor to perform an upgrade can be costly and you may not get what you were expecting. It's important to understand that not all vendors are the same and that you need to qualify them based upon specific criteria. The following is a means of ranking vendors and eliminating those that are not qualified.

Answer the following	Questions			YES	NO
Do they have literature or a w	ebsite that identifies them	as being a specialist in th	e plastics industry?		
Is their proposed software fully developed?					
Can they demonstrate their software (live) with its features and functions?					
Do they have multiple user references within the plastics industry?					
Are they recognized in any plastics industry publications?					
Do they participate in industry trade shows? (NPE, Extrusion Conference, etc.)					
Are they a member of the Plastics Industry Association?					
Are they a UL508A panel shop?					
Is the vendor's company more than ten years old?					
Do they have four or more engineers on staff?					
Do they have a standardized process flow for upgrades?					
Do they have a means of remotely supporting their product?					
Do they have a product manual?					
Have they completed extrusions systems in multiple verticals (i.e., blown film, pie, wire, cast, etc)?					
Total Number of "Yes" Answers					
Run Away	·				

Run Away = This product should not be considered in the evaluation

Poor Value = Although it can be considered, it should not be considered an equal to other products

Good Value = This product should be considered as a possible solution

Very Qualified = This product would be the best choice for your solution