



ARICO MAKES YOU WHOLE



- Hot Runner Temperature Controllers
- Temperature Controllers
- Plastic / Rubber Machine Controllers
- Slim Strong Relay
- Solid State Relay
- Ceramic Band Heaters
- Displacement Transducers
- Pressure Transducers
- Load Cells
- Inverters

**長新科技股份有限公司**  
ARICO TECHNOLOGY CO., LTD.

[www.arico.com.tw](http://www.arico.com.tw)

# COMPANY EXPECTATION

Founded in 1987, ARICO Technology Co. Ltd., has since committed itself in the development of industrial products and technologies to become a customer-satisfying solutions provider.

Besides researching and developing full range of sophisticated temperature control units, PC based human-machine interfaces and customized control equipment, ARICO introduces excellent products needed by related industries to expand the supply scope, bettering the company's ability to meet the customers' expectation and demand of product upgrades.



Our responsibilities:

- High efficiency of organization operation and production management
- A comprehensive marketing and service network
- Maintenance of products competitiveness

And continue to exert our efforts and commitment in

" Reliability " " Functionality " " Economy " " Advance "

# COMPANY VISION

The trademark of ARICO Technology Co. Ltd., consists of a white human icon, three squares and alphabets **ARICO**:

- The white human icon symbolizes ARICO's humanity-based developments and its emphasis on and concern for humanity, which confers a positive meaning of soaring upward.
- The blue squares denote to the close combination of the customers, suppliers and ARICO, who thrive and prosper together in their pursuit for excellence and perfection.
- **ARICO** is the abbreviation of A Right Controller Supplier, representing the company's determination and conviction to become "an excellent industrial control products provider".
- The business spirit of ARICO is founded on professionalism, steadiness and customers' trust. The company has spared no efforts in innovating its products to meet international standards and becoming a worldwide brand.



A Right Controller Supplier!

# Hot Runner Systems

Hot runner systems have become popular and important, its technological advantages allowed improved reliability and the escalation to forming plastic parts. In the cavities of the mold, the plastic materials prices made hot runner systems more desirable and resulting in cost effective of wasteless.

ARICO hot runner controllers are specialized temperature controllers that keep specialized injection-mold components at the design temperature in order to keep molds higher efficiently. Its flexibility allows easy configuration to meet individual customer needs for wide range challenging applications. The solid precision hardware structure, high quality material, custom-designed project and after-sales service shall guarantee your satisfaction.



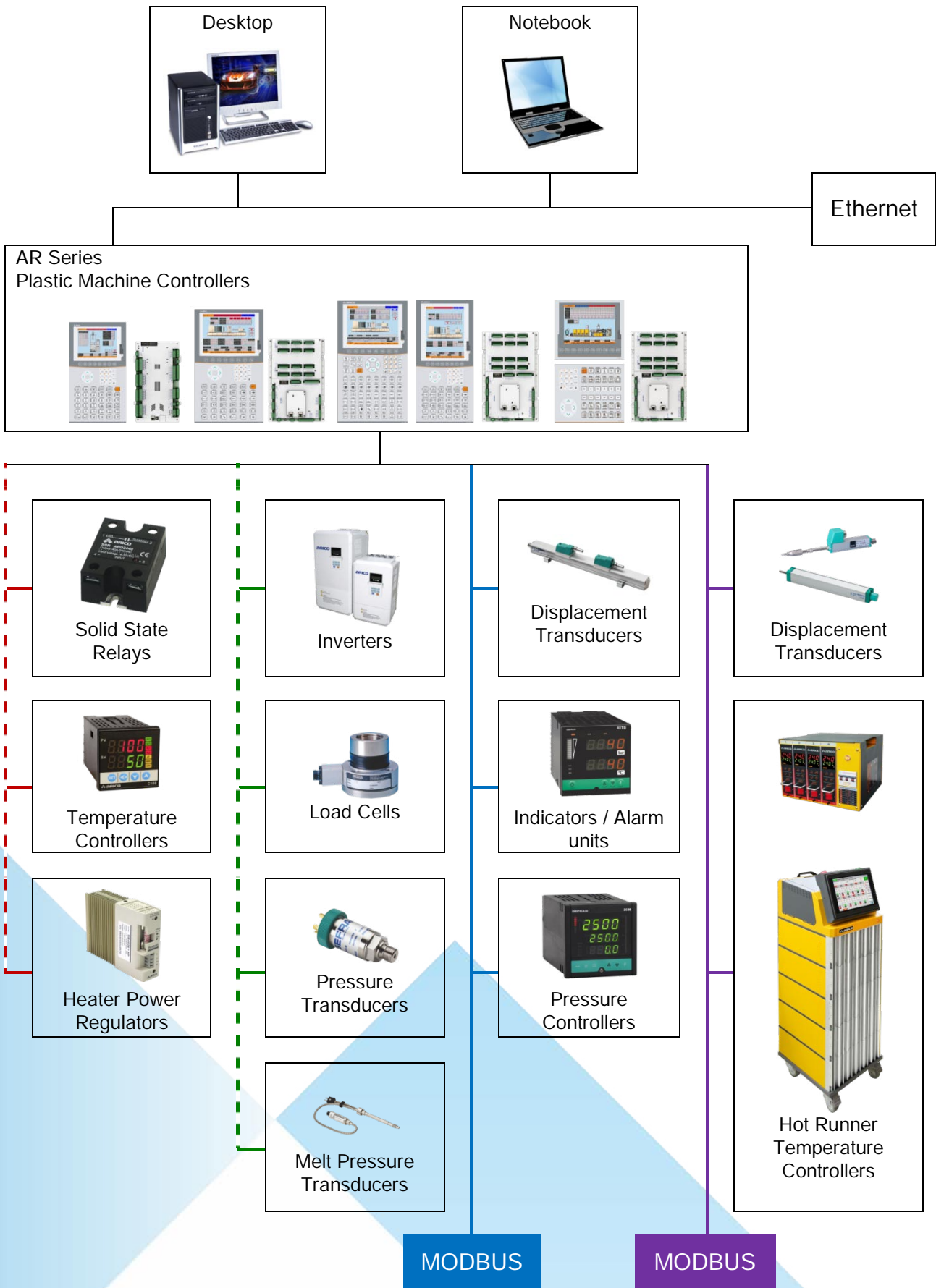
# Plastic Machine Controllers

ARICO Taiwan Corp. new design "AR series" efficient industrial processing controller. The integrated innovative wise technology with reliable Distributed Control System contains higher performance. Software combined with State-of-art window screen to provide smart and instinct object-oriented editing style hybrid switching with simple and popular PLC ladder program editor. His high-speed Ethernet communication network link-up between Humanity Interface and remote devices to displaying the future one-stop control advantages!

It can be broadly applied to automated machinery control, such as injection molding extruder machine controllers and equipment.



# Total Solutions for Plastic Machine
















































<h3 style="text-align: center;">Plastic Machine Controllers</h3> <p style="text-align: right;">AR Series</p>  <ul style="list-style-type: none"> <li>● Fast software interrupt timing is 0.25ms apply to control, enhance the accuracy of more than 2 times the displacement</li> <li>● It is simple to update all of program via USB memory driver</li> <li>● DCS control (HMI and Remote I/O module) for easy access of external device and/or controller</li> <li>● Various HMI size options: 5.6", 8", 10.4" and 12.1" or touch panel(10.4" &amp; 12.1")</li> <li>● High speed Ethernet communication between HMI and Remote I/O module</li> <li>● RS485 and Ethernet (Option) Interface</li> <li>● State-of-the-art window system HMI Screen Editor design</li> <li>● PLC ladder editor for process program</li> <li>● I/O function define self and shift function</li> </ul>	<h3 style="text-align: center;">Hot Runner Temperature Controller</h3> <p style="text-align: right;">TC500</p>  <ul style="list-style-type: none"> <li>● Automatic ID recognition</li> <li>● Easy swapping for individual module failures</li> <li>● Wiring Friendly design</li> <li>● Compact size, light weight, installed directly on the injection molding machine</li> <li>● Fast alternative for 230V / 380V power input</li> <li>● Heat sink temperature detection</li> <li>● RS485 communication function: ASCII and RTU mode</li> <li>● Automatic shutdown for heater abnormality</li> <li>● Automatic switch to manual mode if thermocouple breaks</li> </ul>	<h3 style="text-align: center;">Hot Runner Temperature Controller</h3> <p style="text-align: right;">TC5200</p>  <ul style="list-style-type: none"> <li>● Adjustable user perspective: 110° ~ 145°</li> <li>● Rack type cabinet design</li> <li>● 10.4" TFT SVGA LCD</li> <li>● Automatic shutdown for heater abnormality</li> <li>● Current, output percentage display function</li> <li>● Heat dissipation function for heat sink over-heat</li> <li>● Follower function for thermocouple disconnection</li> <li>● Synchronized temperature raising/lowering</li> <li>● Module memory(internal and external USB drive)</li> <li>● Detection for heater open and short circuits</li> <li>● The module plug-in designed for maintains easily</li> <li>● 8 curves display(temperature, output percentage)</li> <li>● RS485 communication function: ASCII and RTU mode</li> <li>● Internal alarm buzzer(with alarm sound stop switch)</li> <li>● To protect the power source input wrong wiring and less phase</li> </ul>
<h3 style="text-align: center;">Pressure controller</h3> <p style="text-align: right;">2500</p>  <ul style="list-style-type: none"> <li>● 4 digital inputs</li> <li>● Two auxiliary analog inputs</li> <li>● High precision: 0.1 % f.s. ±1 digit</li> <li>● Automatic calibration for 6-wirestrain gauge</li> <li>● PID controls with 8 sets of select able parameters</li> <li>● 4 configurable alarms, failsafe function</li> <li>● Transmitter power supply and strain gauge probe power supply</li> <li>● 4 relay outputs with configurable function</li> <li>● expansion with 4 configurable digital inputs and/or outputs</li> <li>● Front panel with three 5-digit displays and two bar graphs</li> </ul>	<h3 style="text-align: center;">Indicators / Alarm Unit</h3> <p style="text-align: right;">40TB</p>  <ul style="list-style-type: none"> <li>● Inputs configurable from faceplate.</li> <li>● Control of sensor power supply (input 1)</li> <li>● Selectable code protection</li> <li>● Possibility to configure the unit</li> <li>● Power supply for transmitters</li> <li>● Retransmission of variable values</li> <li>● 3 alarms completely configurable from faceplate</li> <li>● 4-wire, configurable serial line</li> </ul>	<h3 style="text-align: center;">Hot Runner Temperature Controller</h3> <p style="text-align: right;">TC5H</p>  <ul style="list-style-type: none"> <li>● Simple designs</li> <li>● LCD display</li> <li>● Internal alarm buzzer</li> <li>● One-key activated / deactivated standby function</li> <li>● Fast alternative for 230V/380V power input</li> <li>● Universal standardized chassis for any brand of module</li> <li>● RS485 communication function: ASCII and RTU mode</li> <li>● Automatic shutdown for heater abnormality</li> <li>● Automatic switch to manual mode if thermocouple breaks</li> <li>● Overvoltage protection (to avoid module burned by incorrect usage)</li> </ul>
<h3 style="text-align: center;">Melt Pressure Transducer</h3>  <ul style="list-style-type: none"> <li>● Pressure range: 0~2000bar</li> <li>● Accuracy: ±0.25%</li> <li>● Fluid-filled system for temperature stability</li> <li>● Diaphragm maximum temperature: 400°C</li> </ul>	<h3 style="text-align: center;">Displacement Transducer</h3>  <ul style="list-style-type: none"> <li>● Useful electrical stroke: 10~4000mm</li> <li>● Independent linearity accuracy up to 0.05%</li> <li>● Displacement speed up to 10m/s</li> <li>● Digital output RS422 or PWN</li> <li>● Protection degree up to IP67</li> </ul>	<h3 style="text-align: center;">Pressure Transducer</h3>  <ul style="list-style-type: none"> <li>● Measurement range: 0~5000bar</li> <li>● Accuracy up to 0.15%</li> <li>● Complete range of voltage/current outputs</li> <li>● Over pressure protection</li> <li>● Protection degree up to IP67</li> </ul>
<h3 style="text-align: center;">Solid State Relay</h3>  <ul style="list-style-type: none"> <li>● High voltage and current resistance</li> <li>● Built-in thermal pad that avoids installation problems or quality concerns</li> <li>● Super slim figure makes minimal frame space</li> <li>● Photo coupler isolation for IN/OUT up to 4000VAC</li> <li>● 2-Level signal inputs, low current input</li> </ul>	<h3 style="text-align: center;">Temperature Controller</h3>  <ul style="list-style-type: none"> <li>● Triple color LCD display and PV/SV value two-color display for indication and alarm</li> <li>● Current indication &amp; Retransmission</li> <li>● Dual P.I.D control for heating and cooling</li> <li>● Manual and soft-start output control</li> <li>● Triple color LCD display and PV/SV value two-color display for indication and alarm</li> </ul>	<h3 style="text-align: center;">Heater Power Regularter</h3>  <ul style="list-style-type: none"> <li>● Selection of output modes: <ol style="list-style-type: none"> <li>1. Phase angle control</li> <li>2. Phase angle soft start &amp; zero cross working</li> </ol> </li> <li>● Built-in overheat indicator &amp; cooling fin</li> <li>● Built-in fuse protection</li> <li>● Super slim figure, saving body's space</li> <li>● Secure CE wiring terminal, easy for wiring</li> </ul>

# Products Overview

## GEFRAN AGENT & OTHER PRODUCTS

Melt pressure Transducers								
	M3/W3/K3 Series		ME/WE/KE Series		MN/WN/KN Series		MD/WD/KD Series	
	MX/WX Series		MX4		MF/WF Series		M6/W6 Series	
	M50	M51	M52	IE1/IN1/I3		IX		
IJ-N (Voltage output)/IJ-D (Digital output)				MJ-N (Voltage output)/MJ-D (Digital output)				
Pressure Transducers								
	KS	TK	TKDA	TSA	TPS	TPSA	TPSADA	TPF
	TPFADA	TPH	TPHADA	XPSA	XSA	TDP		
Displacement Transducers								
	LT	PC	PK	PA1	PZ Series		PY Series	
	PME12	PMI12	PMISL	PMISLE	PMA12	IC	PCIR	
	LT67	PC67	PZ67A	PZ67S	ONP1-A	MK4 Series		
							Encode	
IK4 Series		RK2 Series		PS Series		Encode	EG	
Controller / Alarm unit / Programmer / Indicator								
	400	401	600	1000	1001	1101	4T48	4T96
40B48	40T72	40B96	40TB	2300	2308	2400	2500	
Ceramic Band Heater								
	Ceramic Band Heater		Insulation plus ceramic band heater			Air cooled ceramic band heater		

# Products Overview

Temperature Controllers V Series							
	V100	V200	V300	V400	V500		
Temperature Controllers C Series							
	C100	C200	C300	C400	C500		
Temperature Controllers A Series							
	A1AN	A2DD	A3AA	A3DA	A3DD	A4DA	A4DD
Temperature Controllers TC Series							
	TC2DA	TC3AO	TC3AA	TC3DA	TC3DD	TC4AA	TC4DD
Multi-Cavity Hot Runner Temperature Controllers		Hot Runner Temperature Controllers					
				TC5H Series	TC5E Series		
					Valve gate Controller		
		TC5200	TC5100	TC500			TC5V Series
Plastic Machine Controllers							
	AR1260	AR2000	AR2010	AR2100	HMI		
Solid State Relay							
	ARD24 Series	ARD48 Series	ARV24 Series	ARA24 Series	ARA48 Series		
Solid State Relay				Heatsoft		Signal transmitter	
	SY Series	SV Series	SW Series				
				SB Series			TR100



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