

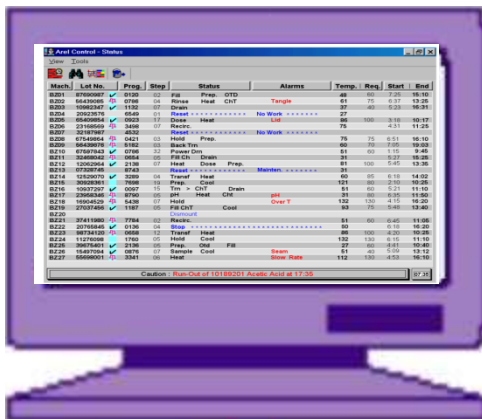


MMC 1 Multi Machine Control

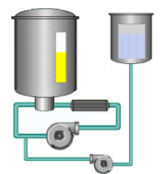
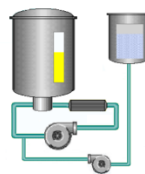
One PC for Entire Laboratory Control

AREL M.M.C.-1 is a package of software and Input/Output (I/O) boards that controls multiple machines directly from a central standard PC, saving the cost of individual machine controllers.

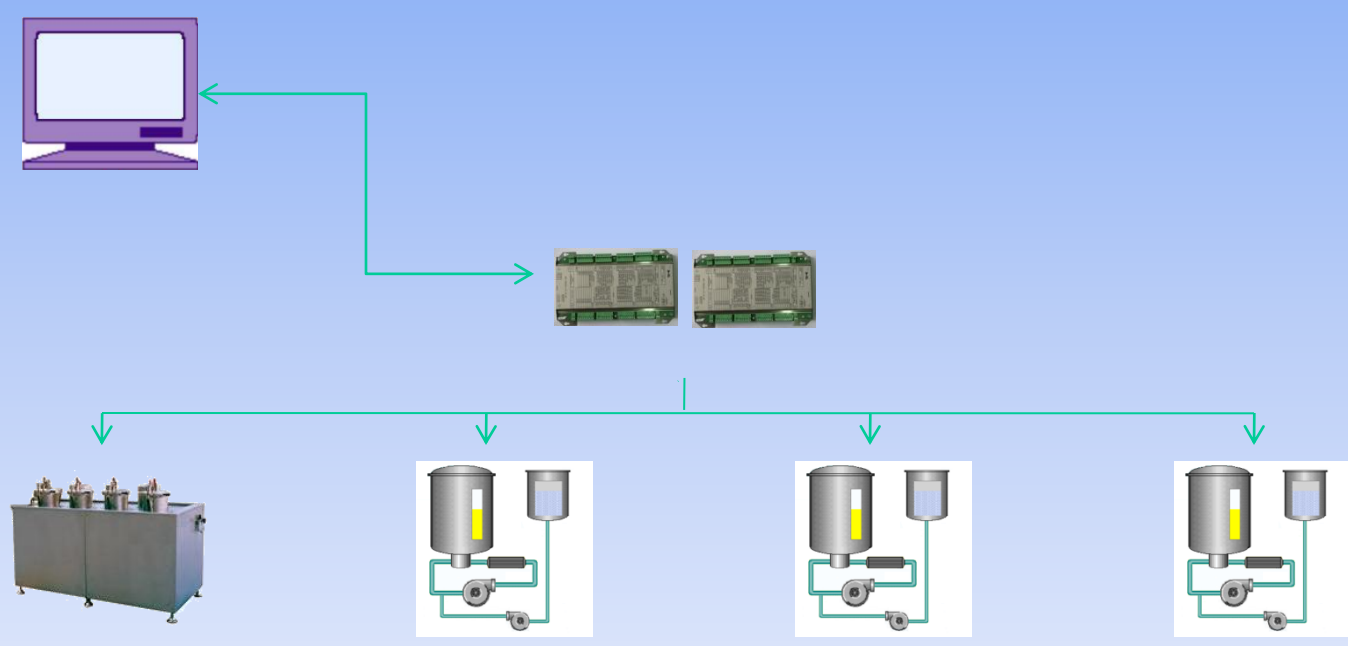
AREL M.M.C.-1 is an ideal solution for control of multi klier laboratory machines and sample production machines.



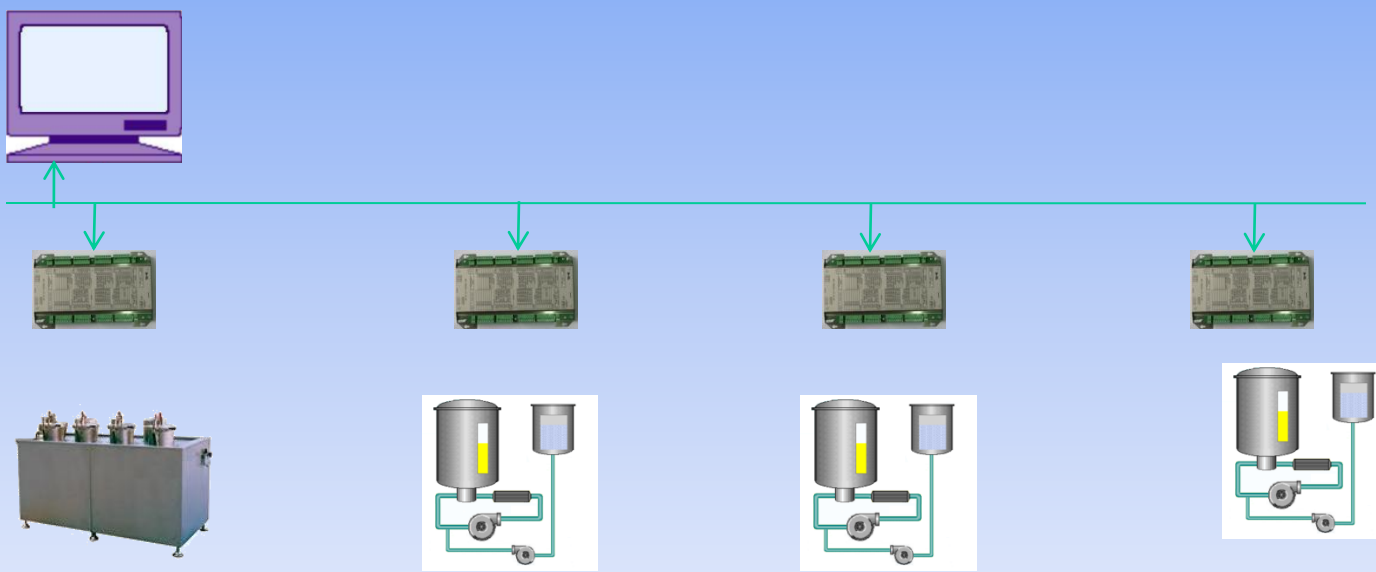
AreI input/output modules



- AREL MMC 1 One controller/PC to control the total laboratory and sample dyeing operation
- AREL MMC 1 Significant COST REDUCTION as only ONE control system is needed
- AREL MMC 1 Multi task operation including dynamic configuration with operator assist.



Installation with central I/O modules



Installation with I/O modules assigned to each machine

Unlimited Control

Unlimited **number and length of dye programs**

Graphic editing of dye programs

Synchronization of parallel functions for shorter dye cycles

Full **multi-tasking operation** of parallel functions

Formula by rules - any parameter of the dye program can be calculated automatically to fit to the batch, to the recipe and to the machine characteristics

Past-Present-Future display of the dyeing process

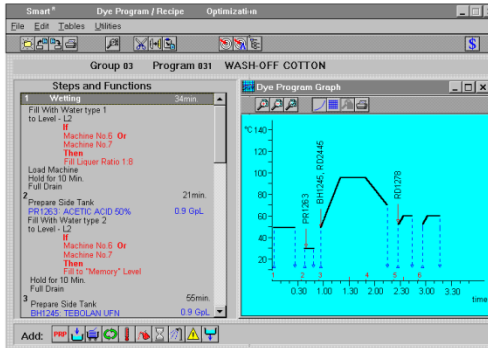
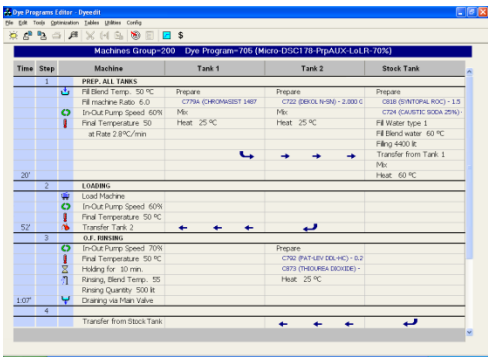
Unique **historical reports**: zooming from total plant data to each individual event according to desired classification

Manual activation of predefined functions

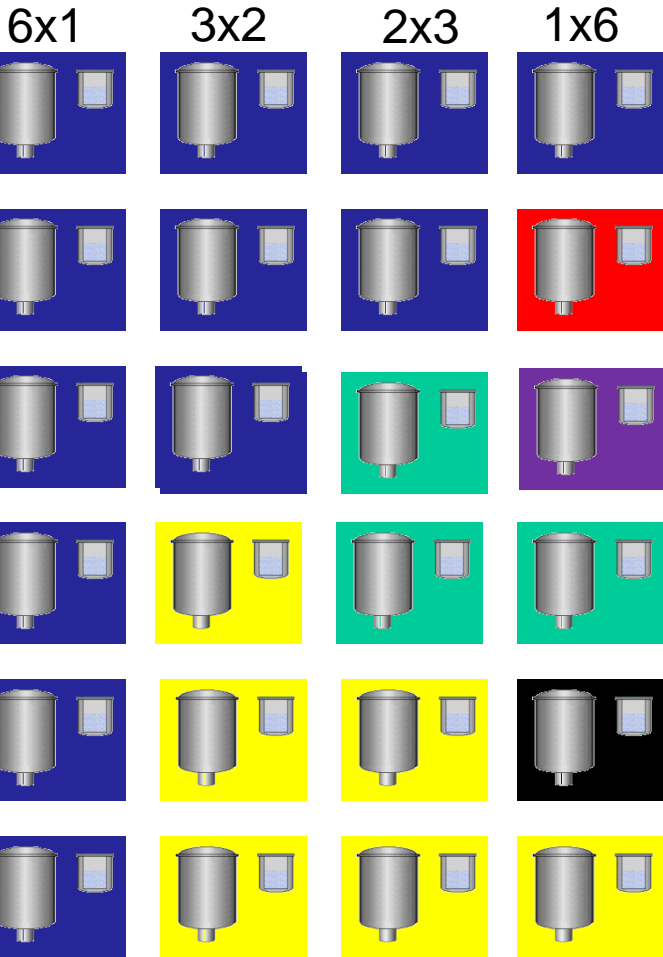
Intuitive, very simple operation

Multi language support

Web and email interfacing, for data transfer and for remote analysis and support



Multi Kier Control

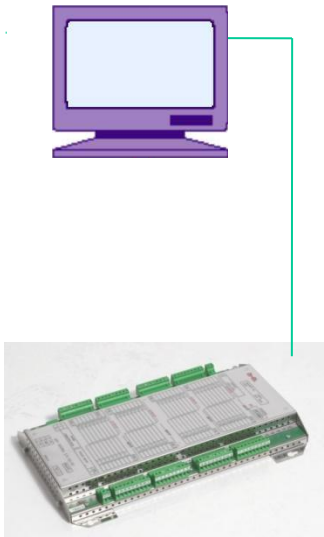


When dyeing on a multi kier dyeing machine, the Central System allows dynamic configuration for any kier combination as per the graph on the left....



Input Output Modules

- APC I/O boards are serially connected to the controller and can be located close to or at a distance from the controller.
 - The boards are packed in stainless steel housing with clear legend for ease of wiring and maintenance.
 - There is no practical limitation to the number of I/O boards that can be connected to the controller.
- The Inputs and Outputs modules can be assigned to specific machines, or can share group machines for more economic I/O utilization.



Range of I/O boards modules to fit economically any set of machines

		Analog		Digital	
		Inputs	Outputs	Inputs	Outputs
		0-20 mA or 4-20 mA	PT100	4-20 mA Or 0-10V	Opto- Isolated Relay 1A 24V
Configuration	24/40				24 40
	32/32				32 32
	8/6/8	8	6	*8	
	4/4/16/24	2	2	4	16 24

*4-20 mA only

Arel Solutions for the Textile Wet Processing Industry

Controllers

Standard PC



T-80 PC Based
10.4" touch screen



S80 PC based
6.4" screen
with keyboard



Systems

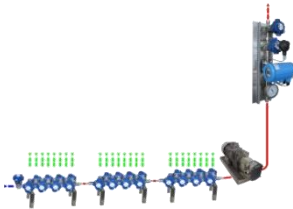
Integrated Batch
Dye House Control



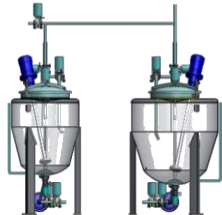
Stenter Frame and
Continuous Range
Control



Chemicals and Salt
Dispensing Systems



Dye Dissolving and
Delivery Systems



arel - a Tradition of Innovation Since 1971: solutions for the textile industry

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