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## CTC adds National Sales Engineer!

Hopkinton, MA - Control Technology Corp. is pleased to announce that Domenic DiRenzo has joined CTC as a National Sales Engineer. Domenic brings 20 years of experience in technical sales, marketing and customer service to CTC, successfully expanding business from roles at all levels of sales management. He comes from KBA, the oldest and second largest press manufacturer in the world. There he increased sales and negotiated multi-million dollar contracts for printing press equipment.

Domenic has a BSEE from Wentworth Institute and has completed additional programs in sales and PLC programming.

Domenic can be reached at CTC at 508-435-9595 x 353 or by e-mail at [domenic.direnzo@ctc-control.com](mailto:domenic.direnzo@ctc-control.com).



[The Modbus Organization](#)

## Modbus Update

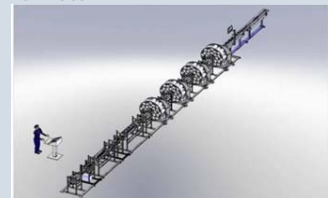
Control Technology recently released an upgraded CPU for its 5300 series controllers. The 5300 controller now boasts full Modbus capability as a Master or Slave device, or both!

A picture is worth a thousand words, right?

## Composites for the World!

James L. Gallagher Inc.

Jim Gallagher has been creating machinery for the composite industry for over 20 years. With his expertise in composite materials, Jim has developed many custom machines for military, recreational and industrial markets.



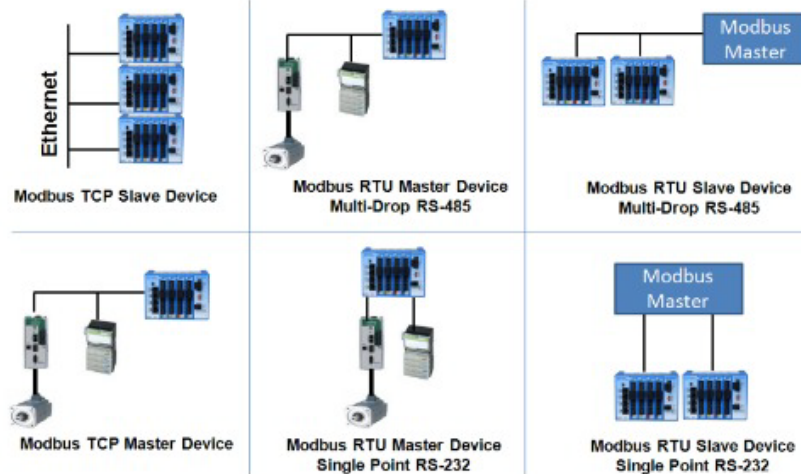
This is a fully automated winding line designed and built by Gallagher for composite winding of the core material used to manufacture wind turbine blades. A closer look of just one stage of this system demonstrates the complexity of the operation.



It requires a high degree of tightly coordinated motion and machine logic control! Gallagher insists on using Control Technology's 5300 series controller and QuickBuilder to keep this system operating 24/7. This same technology is implemented in the manufacturing of "spoolable" pipe as seen in this picture.

## Modbus with CTC's 5300 Controller

Let us count the ways!



### Or in any combination!

Modbus Slave Device - TCP, RTU, and RTU Multi-drop - CTC's 5300 supports Modbus Slave commands as built-in functions on its Ethernet, RS-232, and RS-485 ports. Simply assign the IP Address for Ethernet and node address for RTU in your set up configuration. The controller handles the rest!

Modbus Master - TCP, RTU, and RTU Multi-drop - For a Modbus Master, you set up a connection block in your 5300 program to configure your Modbus Slave devices based on IP Address for Ethernet and node address for RTU. This block lets you set unique poll rates for each slave device and also lets you map Slave device data of interest to internal registers in your Master. Your program accesses these registers directly for reads and writes as if they were native to the controller.

Master and Slave Operation - Each 5300 communications port can be configured independently for either Master or Slave operation. This means you have the ability to use the 5300 as both a Master on one network and a Slave on another.

Example Application: 12-Head Workstation with Vision Inspection - The 5300 acts as a master to 12 Modbus Slaves on an RTU RS-485 Multidrop. Each Slave is an IAI Servo Slide running with 40 mS poll rate, mapping 32 registers for each axis into the 5300.

The application has six vision cameras tied back to a PC using Dalsa's Sherlock machine vision software. The Sherlock software connects to the 5300 using Modbus TCP over Ethernet, as a Master, reading 100 CTC registers in a single block and performs both single and 50 register writes.

The 5300 is a Master on the motion network and a slave on the Vision network.

Got Modbus? Got questions? Contact [support@ctc-control.com](mailto:support@ctc-control.com)  
Don't have a 5300 controller? Contact [sales@ctc-control.com](mailto:sales@ctc-control.com)

## On the Road Again... KC

Well, welcome to Ground Hog Day in New England!

In case you haven't heard yet, the New England Pats fell once again to the mighty Gents from New York. The city of Boston will be closed for business for the next three days. His Honor, the Mayor, has declared these days as the official mourning period for all people Boston and New England - or at least folks east of Hartford CT.

We've got great news to share with you! CTC has added Domenic DiRenzo to our ranks as the National Sales Engineer. Domenic will be focused on new business projects wherever they may be; new industry segments, distributors with new potential customers for CTC. etc. His engineering background will provide solid



Here, the finished product is being deployed to expand distribution of gas lines in remote regions.

There are numerous military and recreational applications for composite materials from bicycles to golf clubs to next-generation of aircraft components. Gallagher's years of experience and engineering acumen combined with CTC's automation controllers, makes for a winning combination.

[Click here](#) to learn more about Jim Gallagher's company. His design and manufacturing facility is located at:  
11 R Industrial Dr.  
Mattapoisett, MA 02739  
508-758-3100

### Quick Links

[CTC Download Center](#)

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## Our Customers Tell Our Story

Each year we create several case studies to highlight some of the projects we have completed with our customers and our Systems Integrator Partners. If you would like to be featured in a case study, please [let us know](#).

We're always interested in your feedback! Please e-mail us with questions, suggestions, ideas.

Our job is to make your job easier!

Sincerely,  
Control Technology  
Corporation

technical sales support on new projects and help get the system up and running faster!

CTwebHMI software is being enhanced as we speak, and we will be providing you with some great new training modules to jump-start your project. "Heads Ups" will be coming your way soon! Can you say "You Tube?"

QuickBuilder's most recent version update includes "Optimized" mode; you'll definitely want to check this out!

I want to thank our West Coast customers and distributor folks who make it a point to give us their local weather updates during the winter season. Yes, we know it's sunny in San Diego and 75. Do you have to rub it in? Keep those cards and letters coming, we love to hear from you!

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