

# CENTRICITY NEWSLETTER

## COMMENTS

Every once in a while, something that seems like a good idea, actually turns out to be one.

The inaugural issue of our newsletter was received warmly, and a fair number of readers actually called or emailed to comment (positively in all cases).

As long as people enjoy reading about the new and different activities going on at Centricity, I will be happy to keep the presses rolling.

Thanks till next month.

Bob Miles



## Special points of interest:

- **COMMENTS**
- **INDEXERS FOR WELDING APPLICATION**
- **WELCOME SALES REPS**
- **WHAT CONTROL YOU REALLY HAVE**
- **ITEMS OF NOTE**
- **MEET THE STAFF**

## DUAL INDEXERS FOR WELDING POSITIONING

In a compact footprint (14" x 9-1/2" x 11" tall with a 24" diameter dial plate), Centricity designed and manufactured the above pictured dual indexers for an energy company in the Southwest. The operation is the positioning and welding of a 2,000 pound work piece. With adjustable speed via a speed pot, and dual direction foot pedals, the welder can position the work piece in the best ergonomic position for the operation. The customer then mounted the indexers on a scissors-style base for additional flexibility.

Not shown in the photo is a protective shroud covering the motor, and a quick change dial plate cover that is easily replaced when worn from the welding operation.

Centricity provided the indexers complete with controls for ease of installation into the customers enclosure, fully assembled, wired, and tested.

*Centricity is pleased to welcome its newest sales representatives,*

*C.W. BROWN & ASSOCIATES covering Northern California.*

## WHAT CONTROL YOU REALLY HAVE !

One of the “buzzes” about Centricity’s indexers is the control the user has over the motion of the indexer. But what does that really mean?

Let’s start with the various “modes” of operation.

- 1. INDEXING MODE**—Set up the indexer as a straight forward indexing device (i.e. 8-station indexer stops every 45 degrees). It is very simple to set the numbers of stations, direction, move time, torque limit, and other parameters directly from the touch screen pendant.
- 2. SEQUENTIAL MODE**—Chain up to 99 discreet moves together. If you want to move 34 degrees clockwise in a 1/2 second, then move 19 degrees clockwise in 1-1/4 seconds, then move 46 degrees counter clockwise in 3/4 second... well you get the point. Ninety-nine of these individual moves can be chained together to have the indexer go where you want, as fast as you want. Why would you want to do this? Take for example that you were performing a spot welding operation. To get the part in the proper location at the welder, you move 45 degrees clockwise. Now the trick: there are 7 spot welds 3 degrees apart. Simply tell the indexer to move 45 degrees, then 3 degrees, then 3 degrees, and so on. And it is just as easy to back up. If, for instance, you were applying adhesive, you could apply the adhesive, indexer forward to a curing oven, go back and apply another bead of adhesive, and index again to the curing oven.
- 3. CONTINUOUS MODE**—Make the indexer a spin-table or a centrifuge. Set acceleration ramp-up, hold speeds, ramp-down the acceleration. And you can hold at any RPM you want, gather the data you need, and release the hold to resume the program.

In addition to all of this, Centricity’s indexer can be easily interfaced to a stand-alone PLC, or over a network. If you need a 6-station indexer in the morning and a 13-station indexer in the afternoon, you can store the parameters in a PLC and load them directly to the indexer. Parameters can be loaded in the PLC any way you would like. The 6-station indexer might be part #1, the 13-station indexer part #2, and so on.

The modes discussed above are all clearly displayed on the touch screen pendant. There are no complicated terms, rather simple to understand terms such as number of stations, move time, direction, and so on. If you wish, just remove the quick connect/disconnect pendant, and store it away. If your application is for a number of indexers, use the same pendant over and over again.

For further information on how to configure the indexer, please call at your convenience, or arrange for a demo.



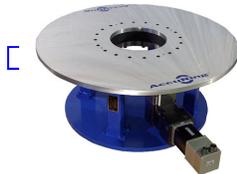
# SOME NEW ITEMS OF NOTE



Centricity designs and builds very large diameter and high capacity indexers. We are currently building twin 180" diameter indexers for a dedicated automated assembly operation.



Running utilities through the center of an indexer is no problem. One that is currently being assembled, has a combination 8-passage rotary union / 22-pole slip ring, integrated right into the indexer.



Sealing an indexer can be a tricky proposition, but it's nothing new for Centricity. Numerous sealed indexers have been produced, and another high-repeatability indexer (sealed against the elements of water jet cutting) is being prepared to ship.

***In most cases, Centricity indexers are supplied with machine bases and custom dial plates. This service can take a lot of pressure off the end user or machine builder, as the indexer can be supplied as a much more "complete" package.***

## ***MEET THE STAFF***

Jeff Knight is our CFO, and Purchasing Manager. Jeff attended Youngstown State University and graduated with a Bachelor of Science in Business Administration. Jeff is also a licensed CPA in the State of Ohio. A native of the Youngtown area, Jeff has a wealth of experience in Finance and Purchasing in manufacturing settings.

Married with 2 children, Jeff spends his spare time playing basketball with the "boys", and squeezing in the occasional round of golf. Jeff also dabbles in the remodeling of older homes, being a general "handyman" of sorts.

Next time you call, please ask for Jeff and introduce yourself.