

Why Beckhoff CNC Controllers, Drivers and Servo Drives on our Holz-Her CNC?

We use **Beckhoff controllers, drivers and servo drives as a full integrated system**, not merely a conglomerate of outsourced parts configured to work (*the outsourced parts solution works and is generally a much lower cost solution but, with that approach we know that it sacrifices, the long term cost of ownership and usability for the customer*).

Our Beckhoff integrated configuration offers many benefits over CNCs controlled by other systems on the market, I have listed some of the major advantages below for you.

- **Beckhoff utilizes standard G-Code programming protocol** so your operators will feel at home if they need to access that interface.
- **Beckhoff makes their own mother board and system components to insure you cost effective replacement and compatibility of parts.** Competitive controllers often outsource very critical and main components, such as the mother board, which can lead to issues downstream. If they need to replace a mother board at some point in the future, that can be very costly for you or require full controller update!
- **Beckhoff offers the industry leading “EtherCat” field bus connectivity with Nano second clock accuracy which gives you the very best drive control, drive synchronization and diagnostics available today.** You get more control, more precise movements, more accuracy, better diagnostics, more longevity and, in the end, better parts for *your* customers!
- **Beckhoff offers remote diagnostics tools that are extremely accurate and give our technicians a comprehensive set of tools that are there to get you up and running faster than ever possible before!**
- **Beckhoff builds the controller, drives and servos that constantly all use the same standard IO interface,** this offers you the ability to put a new updated Beckhoff motor in without issue. It is important to note that this is not the case with our completion as they outsource to various servo drive manufactures compatibility is not always available downstream like Beckhoff.
- **Many times, if the competitors’ controller goes bad and it has reached it’s “end of life”, the drives and the IO has to be replaced as well.** This is costly and can create a situation of possible premature machine obsolescence.
- Your software company most likely already has a post for our Holz-Her CNC if not we will work with them to efficiently generate one for your machine, we play extremely well with others!
- **Beckhoff is the world leader in CNC controllers and drive systems.** They lead the industry in innovation, speed, value, usable life and adaptable open architecture control systems!
- **Weinig recognized Holz-Her and the Holz-Her CNC product as being a world innovator and leader in the industry** enough to create a permanent partnership with them!
- **Beckhoff uses a standard PC front end with non-proprietary components and open source code.** Parts and upgrade paths are able to keep your system up to date and working.
- **Beckhoff is German Built and has the US headquarters in Minneapolis, MN!**

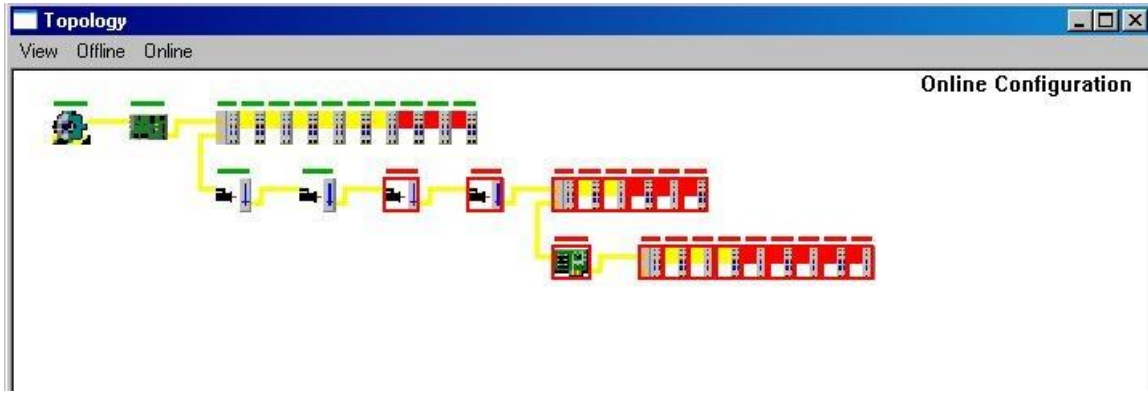
Holz-Her has been serving this industry successfully for over 100 years, that only happens when we take care of our customers and keep them profitable. Be rest assured that if our Engineering staff in Germany has chosen to partner with Beckhoff, it is in our customer’s best interest that is the way they work no short cuts, no fluff just excellent engineering choices to insure the long term success of our customers and hopefully, long term partnerships with those customers.



Advantage Solutions, Inc., your Holz-Her Authorized Dealer

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Beckhoff Diagnostic Tree



Beckhoff Reporting and Maintenance Integration

700132 emergency shut off-relay has not pulled up

X	0.00	mm	X	0.00	mm	X	0.00	mm	0	0	100%
Y	-0.00	mm	Y	-0.00	mm	Y	0.00	mm	mm/min	min ⁻¹	%
Z	494.01	mm	Z	494.01	mm	Z	0.00	mm	0	0	0%
C	360.00	°	C	360.00	°	C	0.00	°			

Stop: No Mode Group Ready Channel interrupt Program aborted ID: 0 / TO D0 Ø0.00 2007/02/21 17:38:05

Vacuum Pump	100 h	52 h
Vacuum Filter	80 h	32 h
Air Pressure	40 h	10 h
Cabinet Fan	160 h	80 h
Auto Oiler	4 h	4 h
Vario NC Service 1	10000 x	9370 x
Vario NC Service	100000 x	99351 x

MDE MDE MDE PDE Info

Tool changer Aggregates Table MDE

F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12



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A solution based approach to your manufacturing needs.
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