BENDER DATA COMMUNICATIONS METHODS REQUEST FORM

Advanced Tubular Technologies specializes in communications between computers, measuring centers, and tube bending machines. We call this "Benderlinking." We have created a large product-line of Benderlink for over 10 years (please see the side bar for a few examples).

It is quite normal that each bender manufacturer uses its own method of communication for linking to benders. This form helps OEMs determine the kind of information that we need in order to understand your communications protocols.

Please review the following page to help us understand your communications method. If you share your method with us and a customer purchases a developed license of Benderlink for your bender, then…

1. Your brand of bender will receive free advertising world-wide via the internet

2. Your company will be able to claim that your bender communicates with ROMER/Cimcore, Axila/ROMER, Faro, Addison, Multi Systems, Eaton Leonard Laservision, and FARO measuring centers. We can communicate with all of these measuring centers.

Sincerely,

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Software for Tube & Pipe Fabricators

Benderlink for Chiyoda
Benderlink for KEINS
Benderlink for Flexbender
Benderlink for MiiC.
Benderlink for Supravision
Benderlink for Eagle
Benderlink for VELOG

TubeCAD Pro
TubeCAD Lite
TubeCalc
Bender to XYZ Calculator
Eaton Leonard FIF Translator

CNC Bender Control
CNC Bender Lite

AutoCAD to Bender
Solid Edge to Bender
Solidworks to Bender
Autodesk Inventor to Bender

Communications Services

Supravision / Laservision to Bender Integration Specialists

What **connection** method do you use for communication in your bender?

Examples

- ☐ Cable - RS-232
- ☐ Cable – RS-422/485
- ☐ Cable – Network – File Transfer
- ☐ Cable – Network – TCP/IP
- ☐ Cable – Network - FTP
- ☐ Floppy Disk/Portable media - Manual File Transfer
- ☐ OPC Server (through Windows)
- ☐ Other Windows-based Server
- ☐ Other - Specify

How do we **setup** the connection to your bender?

Examples

- ☐ For RS-232, 422, 485: Port settings like Baud Rates
- ☐ For RS-232, 422, 485: Cable Specification (pin out/connectors)

What is the **command structure** for initiating transfer of data?

Examples

- ☐ What command do we use to **request** data from the bender?
- ☐ What command do we use to **send** data to the bender?

What is the **data structure** for the incoming/outgoing data?

Examples

- ☐ Can you give us examples of the data being transferred by e-mail, disk, or document?
- ☐ Is the data self-explanatory (using ASCII with labels), or is it binary, requiring a descriptive map of the data?
- ☐ Is the data size fixed or does it grow and shrink with the number of bends?
- ☐ Does it store floating point values in ASCII format?
- ☐ Does it store floating point values in 8087 format (PC memory) format?