
Specifying DTS Systems

The following guidelines are offered for specifying DTS spindle systems:

1. Select a spindle model. Consult G II Solutions, Inc. when selecting the appropriate spindle model.
2. Determine a method to mount the spindle to the grinding machine. Most applications will require a custom interfacing bracket. G II Solutions, Inc. has developed numerous brackets for certain spindle/grinder combinations. Frequently, it is more efficient and less expensive for the customer to develop the interfacing bracket. Regardless, G II Solutions, Inc. will provide the necessary support for the customer to develop the interfacing bracket, or G II Solutions, Inc. will develop and manufacture the interfacing bracket.
3. Determine the orientation that the spindle cable exits the spindle (see page 12). The orientation is often determined after the method of mounting the spindle has been defined.
4. Determine a method to install the control system. With the standard system, the control panel is to be installed in the interfacing machine's electrical cabinet. If the electrical enclosure option is selected, determine where this enclosure is to be located.
5. Determine the length of the spindle cable and of the control panel cable (if applicable). The spindle cable exits the spindle and terminates at the spindle connector. The control panel cable exits the control panel and terminates at a bulkhead/surface-mount connector.

If the control panel is mounted in the interfacing machine's existing electrical cabinet, the bulkhead connector is generally mounted into the existing electrical cabinet wall. The control panel cable length should be determined to achieve this result. The spindle cable should then be sized so that the spindle connector reaches the bulkhead connector.

If the control panel is supplied in an electrical enclosure, then the spindle cable length should be sized so that the spindle connector reaches the bulkhead connector in the electrical enclosure.

6. The air purge unit comes with 10 feet of nylon tubing that terminates at a quick connect fitting that is to connect at the spindle connector. Factory air is to be supplied to the air purge unit.



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