

DTS SPINDLE SYSTEMS

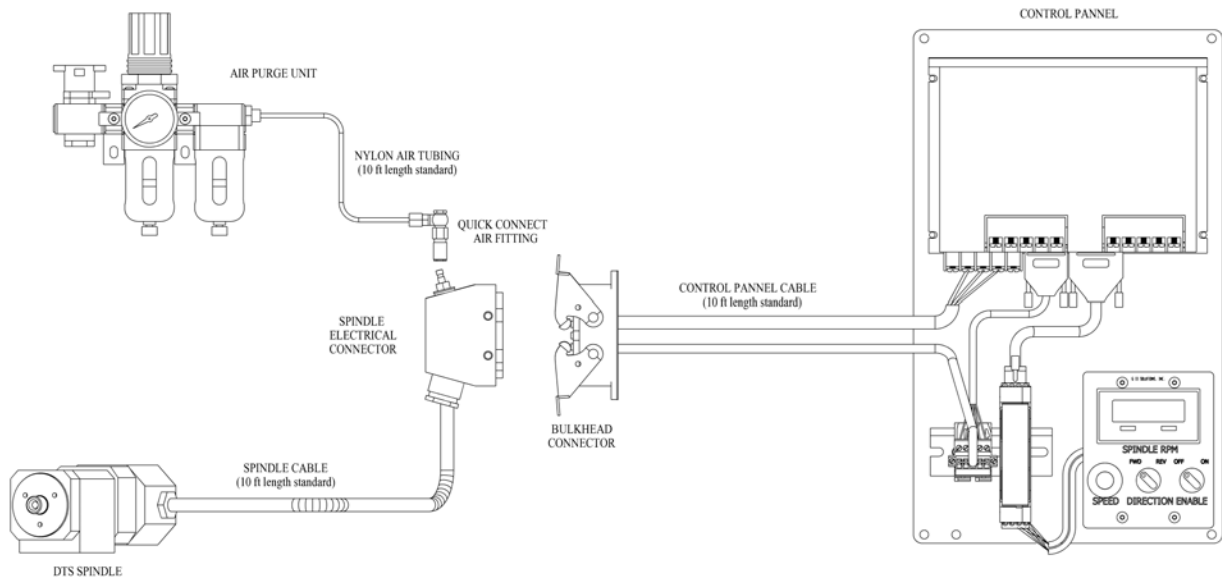
Standard Configuration

Each DTS system includes 1. DTS spindle, 2. air purge unit, and 3. control package.

The standard spindle comes with up to 10 feet of spindle cable that terminates at the spindle electrical connector. This “standard spindle” is expected to be customized by the end user or by G II Solutions, Inc. to best fit the user requirements. Several brackets have already been developed to accommodate popular spindle/grinder combinations.

The air purge unit consists of an air shut-off valve, a filter/regulator combo, and a coalescing filter. Clean, dry, non-lubricated air is to be supplied to the air purge unit where it is regulated to 10-15 psi. Air exits the air purge unit and continues through nylon air tubing to quick connect fittings, which attach at the spindle electrical connector. Air continues in through the spindle cable, which contains an air tube inside, and into the spindle.

The standard control package is supplied with up to 10 feet of control panel cable that terminates at a bulkhead or surface mount connector. The connector attaches to the spindle electrical connector. Components that are included with the standard control package include a servo amplifier, manual controls, and an interface module that includes a variety of input and output options for CNC interface. The servo amplifier is to be powered by a 90 to 270 Vac, single or three-phase source. Many options are available beyond the base system.



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