

IMMERSION SYSTEM ACCESSORIES**Motor Power Supply:**

The Motor Power Supply provides power to each axis motor in the ULTRAPAC system. LED lights indicate the current status of each axis and will turn yellow, indicating a fault in the system. The system Emergency Stop switches are also controlled through the Motor power supply unit.

**Stepper power supply****Manual dual angle manipulator**

This dual angle manipulator connects the search tube and the transducer. The range of motion in one axis is 180 degrees and 90 degrees in the other. The dual angle manipulator is typically used for normalizing the ultrasonic transducer to the surface of the part under test. Other uses are for shear wave applications and positioning the transducer to odd shaped parts. The UPKMAN-B is standard with all ULTRAPAC systems and is also available as an accessory.

**Two-Axis Motorized Manipulator**

A two-axis motorised manipulator with gimbals and swivel motion. The unit is light in weight and has a compact profile for ease of mounting to a "Z" motion axis.

**Turn table**

This accessory is required for cylindrical part testing. It is motor controllable and can be added to be the fourth axis of the scanning system. It has a three self-centering chucks and can rotate clockwise or counter clockwise.

**Turn table****Through transmission adapter**

For through-transmission applications, two transducers are required. This adapter is the transducer fixture to hold the two transducers to be axially centered so that to achieve good sound transmission.

Bar rotator

The bar rotator is used for testing tube and rod samples. It is also motor controllable and can be added to the fourth axis of the scanning system.

**Bar Roller****Remote Jog Terminal**

The Jog Pendant option allows the user to interact close to the ULTRAPAC tank, control all axes, set various home and start test positions, run, pause and stop test. It is a very convenient tool for operating the system, especially for a big tank system. The RJT-6 can control up to 6 axis of motion. All new ULTRAPAC systems are complete with wiring and connectors to easily connect the remote jog terminal at any time.

**Search Tube**

The search tube is a necessary part mounted on the Z axis to be served as the immersion transducer holder and a connector between the pulser/receiver card and the transducer. The length of the search tube is designed to accommodate the Z axis scan range.