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Technical Reference

Topic: TECTRON2™

UFS Corporation, founded in 1977, is the leading supplier of tubular anode cells and control systems for electrodeposition painting. UFS manufactures and sells the TECTRON™ patented anode cell under license from PolyTech, Inc. of Japan. In 1985 UFS introduced the TECTRON Membrane Electrode Cell to the U.S. market. The TECTRON Cell has enjoyed rapidly increasing acceptance among system designers and end-users. In response to the need of customers, UFS developed the TECTRON2 Membrane Electrode Cell. This cell became available to customers in July 1997. The only difference between the original TECTRON Cell and the TECTRON2 Cell is size. The TECTRON2 provides 25% more anode area. This gives users the big edge over tubular cells in both anode area and technology.

The TECTRON2 will help customers reduce their overall costs. The larger size of the TECTRON2 means that fewer Membrane Electrode Cells are needed to achieve optimum, uniform film build. Fewer cells means there are less cell accessories to purchase, lower installation costs, and lower maintenance costs by having fewer cells to maintain.

The TECTRON2 can easily replace a regular TECTRON cell. There are no special equipment or conversion requirements. It is installed and operates in the same manner as the original cell. Box cell and crescent-shaped cell users can easily upgrade to the TECTRON2. The TECTRON2 has all the advantages of the regular TECTRON cell:

- reduced paint consumption;
- easy installation and maintenance;
- lower membrane current densities for longer life;
- less energy consumption by lowering electrical resistance;
- special purpose membranes to control paint chemistry and improve film quality.

For more information, request the TECTRON2 Product Data Sheet (Bulletin #995105). UFS can be contacted at the number shown above and a Sales and Service Engineer can provide additional information about customizing the TECTRON2 to meet individual tank requirements.