

**FRANK'S**

**DATA-TREK**

**Data-Trek  
ADVANTAGE**

# COMPUTER SYSTEM.....

## TAKING TORQUE-TURN TECHNOLOGY INTO THE FUTURE.....

The **Data-Trek Advantage™** Computer System offers unprecedented technology in connection analyzed make-up services. Frank's manufactures it's own proprietary software to manage system output and control the power tong, which gives the Frank's system several important advantages:

- The system incorporates Frank's designed critical hardware components.
- An accurate and proven method of measuring turns.
- The *most precise* torque control/torque hold capabilities of any system on the market.
- The system is periodically upgraded to take advantage of the latest technology.
- Frank's Integrated Control System (ICS)™ is an optional feature of the Data-Trek Advantage™ Computer System.
- Frank's support personnel respond quickly to customers' special requests, whether it requires modification of Frank's hardware, software, or both.

### **Certification**

The **Data-Trek Advantage™** is certified for use in Zone I hazardous areas worldwide. Every Data-Trek Advantage™ H.E. system meets Cenelec Standard EN50014 & EN50016, and is certified by P.T.B. In the United States, the **Data-Trek Advantage™** system meets all requirements of the U.S. Coast Guard and MMS.



For more information call 1 -800-833-7265 or e-mail [info@frankscasing.com](mailto:info@frankscasing.com)  
[www.frankscasing.com](http://www.frankscasing.com)

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## Data-Trek Advantage™ Features

### Data Recall:

The **Data-Trek Advantage™** system allows instant recall of ALL collected data, on the rig or after the job.

### Magnification:

Original make up data is redrawn at much higher resolutions to allow pinpoint detection of parameters including shoulder torque, turns after shoulder and the amount of torque actually applied to the shoulder.

### Calibration:

Load cells and calibration procedures are traceable to National Bureau of Standards.

### Load Cells:

A wide range of special application load cells for unique customer requirements are available. Compression, tension and special dual-action load cells for the Zero Side Load™ Integral backup are available. The **Data-Trek Advantage™** system can handle torque capacities from just a few hundred Ft-Lbs to over 200,000 Ft-Lbs.

### Statistical Analysis:

Statistical information for each make-up is permanently stored for immediate or post-job recall. Each make-up is automatically compiled for use in statistical comparisons. Data is available in both graphical and digital format.

### Pipe Tally:

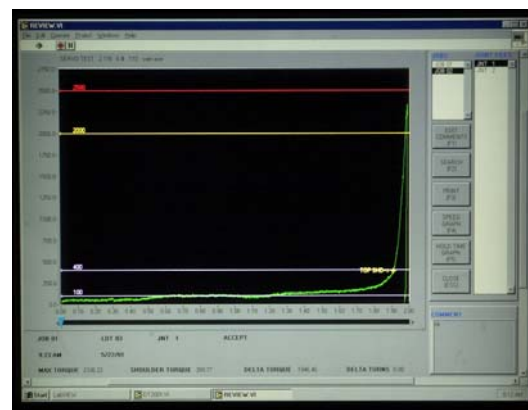
The **Data-Trek Advantage™** system provides additional customer support by tracking the amount of pipe run on a per joint basis. Total footage run is displayed as pipe is added to or removed from the well.

### Tong Speed Monitor:

Tong RPM is monitored in real time and recorded for each make-up. RPM data is displayed in RPM vs Turns graph that easily correlates to the make-up graph



Custom Manufactured Load Cells



Advantage joint makeup