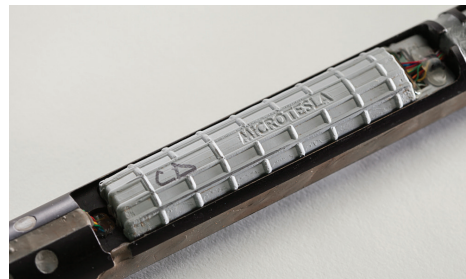


Product Improvements

In 2012 we designed and manufactured a custom in-house, microprocessor controlled tool switcher for heating MicroTesla tools during calibration and testing. We also added one more shake table substantially increasing our ESS capacity so that our monthly tool throughput can maintain a repair turnaround time less than 30 days.

MicroTesla is constantly seeking performance improvements for our directional instruments. In 2013 we introduced the XE chassis, the strongest chassis ever designed and manufactured by MicroTesla. We have also replaced electronic components to improve our reliability and to increase our temperature limits.



These improvements include replacing an "End of Life" FPGA with a high-temp microprocessor, replacing low-temp capacitors with high-temp capacitors, replacing low-temp precision resistors with high-temp precision resistors and incorporating new high-temperature analog-to-digital conversion.

We have improved our Ulti-Pak form factor to eliminate geometric variations and are also using a new Ulti-Pak material with superior dampening characteristics.



In 2013 we deployed and calibrated a new annealing oven for magnetometer manufacturing and we built an additional magnetometer winder for improved product volume.

Later this year (2014), we will deploy our newest MDM board which will provide environmental logging and continuous survey data outputs for those customers desiring additional information during drilling.

We are developing a 20-acre parcel of land in Northwest Houston, and MicroTesla has started construction of an 11,000-square-foot, non-magnetic calibration building. We will start calibration operations in our new calibration facility late 2014.

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