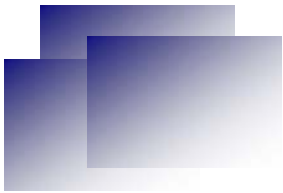


Vibration Testing Equipment Technical Services



- **Maintenance**
- **Repair**
- **Upgrade**
- **Solutions**
- **Training**
- **Assistance**



● **Maintenance** ● **Repair** ● **Upgrade**

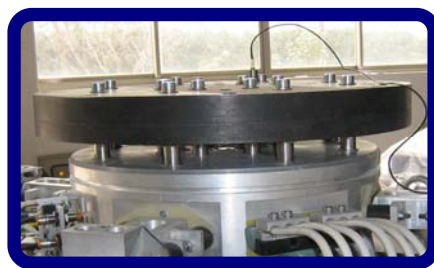
● **Solutions** ● **Training** ● **Assistance**

To provide the best services to our worldwide base of customers, ETS Solutions has worldwide partners with many years of experience across Europe, Asia and the United States to answer all requests. The ETS Solutions team is able to offer a complete turnkey solution in facilities planning, installation, equipment maintenance, and training.

ETS Solutions combines the wealth of technical expertise with the dedication of field service engineers to provide the customer with the total support for all your vibration testing needs; from supply of test parts to complete vibration test systems, all at very competitive prices. Our growing success has been due to our focus on customer needs.

Our positive attitude to customer concerns, particularly when they are under pressure to complete important tasks, has ensured that customers call us first when they have a problem. This philosophy is supported by a comprehensive stock of replacement field coils; armature rewinds and spare parts for most makes of vibration testing equipment.

Preventive maintenance contracts provide essential back up and assurance of reliability to customers with heavy test schedules. We can offer tailor made contracts based upon customer needs backed up by our highly skilled field service engineers. A typical program will include an annual strip down of the equipment and full performance testing in accordance with our ISO Accredited quality procedures. During the period of maintenance intervention, damaged and worn parts are replaced, ensuring fault free operation during important test schedules. At the same time that maintenance is being completed, controllers and associated equipment with the vibration system, can be calibrated to either ISO 9001 or UKAS standard. Emergency call out cover is an option normally included within the contract and is based upon your requirements, taking the systems history and extent of use into account. This gives a engineering response to visit site, normally with 24 to 48 hours. In the event of emergency cover becoming fully utilised before the contract has reached its end, a provision is made available "to top up" which will ensure continuation of cover. In the event of non utilisation of any of the emergency cover fund, ETS will roll over 80% of the balance remaining, as a opening balance deposited into the new contract for the ensuing year.



Products and Services

- ★ Vibration testing systems
- ★ Vibration controllers
- ★ Turnkey of vibration solutions including:
accelerometers, charge amplifiers, signal conditioners
- ★ Combined vibration systems with chambers
- ★ Drop testing machines
- ★ Inclined impact testing machines
- ★ Mechanical/Hydraulic vibration systems
- ★ Armature rewinds and replacement field coils
- ★ Up-grading of vibrators to long stroke operation
- ★ V- groove oil-film slip tables / hydraulic bearings slip tables
- ★ Standalone sliptables
- ★ Head expanders & fixtures
- ★ Amplifier replacement program
- ★ Supply of remote control panel
- ★ Power module repair
- ★ Explosive environmental testing solutions
- ★ Spare parts for ETS or most manufacturers systems
- ★ ISO & UKAS calibration service
- ★ One stop station for dynamic testing needs
- ★ Testing technical assistance
- ★ Customer training on/off-site
- ★ Preventative maintenance
- ★ Site planning & system relocation
- ★ Emergency callout service



A Leader in Vibration Equipment Services

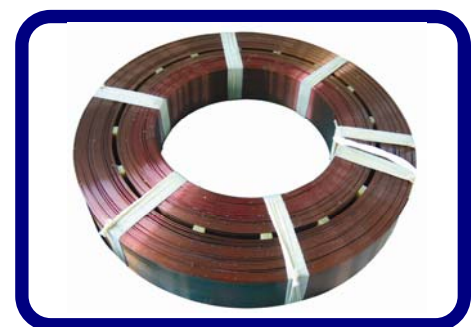
Over the years we have developed the capability to rebuild armatures and replacement field coils for systems originating from the worlds top manufacturers. These are built to the highest standards, using the latest technologies and materials at very competitive prices. We stock certain types of replacement field coils and exchange armatures, please ask for a quotation.

ETS Solutions specialize in the supply, rebuild and repair of bearing guide slip tables for all models and manufacturers. The hydrostatic and low-pressure bearings can be either manufactured from new, or fully refurbish the customers existing bearings. New slip tables can be supplied in various sizes, thickness and shapes, with the customers required matrix fixing hole patterns. Together with our knowledge and skills at ETS, we can integrate your existing vibrator into a combination base with our supplied slip table. Please enquire for more details. Armature Guidance Hydrostatic Bearings ETS can supply all types of hydrostatic bearings for the high force range shakers worldwide.

ETS can now supply entire pre-owned vibration systems and upgrade customer owned systems to the latest specification and safety standards. Refurbishment can include the supply of digital switching power amplifiers, installation of computer-based controllers, the modification of the vibrator to long stroke operation, using our new 'Uni-Flex' armature suspension system. This suspension system is capable of 51 mm (2 in) displacement and can be fitted to existing 25 mm (1 in) stroke vibrators as part of a refurbishment program ETS are able to provide to the customer either complete new state of the art vibration test systems, from 50 KN to 18 tons force, or fully refurbished systems readily available from stock.

Most models of Vibrators and Bearings can be upgraded in displacement to long stroke operation, either by using our Carbon fibre design, UNI-Flex design or our softer half loop flexures. These upgraded designs are both field proven from 1" (25.4mm) P-P displacement to 2" (50.8mm). Upgrade modifications can be carried out either in our factory at ETS or at a customer's site.

Fully documented reports are completed thus ensuring the system has been fully maintained to our ISO controlled maintenance procedures. Engineering information is inputted into our computer database and over time will provide full historical and statistical information for each system we maintain. ETS, can also offer special contracts to cover longer periods at very competitive prices. Typical is a two year contract with the first year incorporating a full strip down and the second year a system health check. This type of contract is tailored to "light use" systems and will reduce your system shutdown times and cost.



ETS Solutions (Suzhou) Ltd.

No.8, Zijin South Road, National New Hi-Tech Industrial Park,
Suzhou, Jiangsu, 215101, China

Tel: +86-512-66576316

Fax: +86-512-66576317

E-mail: sales@etssolution.com

Web: www.etssolution.com