Allestimento "chiavi in mano" Turn-key

Le nostre sale prova sono fornite "chiavi in mano" e quindi complete di installazione e messa in servizio.

Tutti i sistemi vengono comunque collaudati presso i nostri laboratori prima di essere consegnati, alla presenza del Cliente.

Per venire incontro alle esigenze economiche del Cliente, l’impianto elettrico della sala prova può essere curato anche da personale di fiducia del Cliente stesso: in questo caso Test Line fornisce schemi elettrici, lista cavi, layout canalizzazioni e sopralluoghi dei tecnici per controllare l’avanzamento lavori.

I tecnici di Test Line, dopo aver installato la sala prova, effettuano un test completo in presenza del Cliente.

All systems are tested in our laboratories in the presence of the customer, before delivery.

In order to meet the customer price request, the electrical system can be looked after by a local staff chosen by the customer: in this case Test Line will supply wiring diagrams, list of cables, cable layout and visits of our technical staff to check the work progress status.

In any case the final cable connections and starting are carried out by our technical staff.

Software gestione Control software

I banchi prova della Test Line sono corredati di software, di nostra produzione, che lavorano in ambiente Windows, e permettono di:

Software “Elektro“: realizzare tutte le prove al banco dei motori elettrici. Nella versione standard sono inglobate le seguenti prove:
- Vuoto (realizzabile se è presente il variatore di tensione)
- Carico
- Rotore bloccato

- Riscaldamento in modalità S1 - S3 - S6
- Caratteristica Meccanica con rilievo Coppie Massima
- Massima configurabilità, impostazione formule, desktop, allarmi, dati targa motori in prova, ...

Il software implementa tutte le procedure necessarie per il calcolo del rendimento e la separazione delle perdite in accordo con le normative IEC 60034-2-1 e più precisamente di:
- perdite nel ferro
- perdite nel rame
- perdite nel rotore
- perdite per ventilazione
- perdite per frizione
- perdite addizionali
- rendimento standard
- coefficiente di correlazione finale

Software “Cube“: utilizzato per creare report di collaudo e grafici completamente personalizzati delle prove eseguite.

Test Line test benches are equipped with our own software, operating in Windows environment, offering the following options:

“Elektro“ software: used to carry out all tests for electric motors. The standard version includes the following tests:
- No load test (only possible if the voltage regulator is present)
- Full load test
- Locked rotor test
- Heating test in S2 - S3 - S6 duty cycle
- Rpm test with measurement of max torque

Max. configurability, formula setting, desktop, alarms, data about the motor to test ...

The software includes all procedures necessary to calculate the efficiency and the separation of losses according to IEC 60034-2-1 standard, and in particular:
- Iron losses
- Stator copper losses
- Rotor losses
- Ventilation heat losses
- Friction losses
- Additional losses
- Standard efficiency
- Final correlation coefficient

“Cube“ software: used to create test reports and customized graphs for the tests carried out
One of the most appreciated among our after sales service is the "on-site" setting. This can be done also in cooperation with an Accredited Centre, our partner for many years, to carry out tests according to ISO17025 standard.

Test Line test benches are designed and manufactured in compliance with all standard requirements concerning:
- Machinery and equipment safety
- Accident prevention

For electric motors / gearmotors applications, we are updating and/or re-making different test rooms in these years (also for equipment manufactured by other companies), adding all necessary equipment to carry out the tests to calculate efficiency according to IEC60034-2-1 standard.

Test Line designs and manufactures test benches for electric motors, gearmotors, electromotors, electrotraps,.... occupying and distributing the graph acquisition, data acquisition, software, electromechanical power part, mechanical part in order to offer a turnkey product to the customer.

According to the needs, our equipment can be designed for R&D SYSTEMS or addressed to PRODUCTION END-OF-LINE SYSTEMS.

In any case our business philosophy is based on the production of high quality systems, using first quality equipment (some examples: Yokogawa, Kistler, Siemens, Burster, R/W, KTR, Druck, Emerson,...) and paying special attention to after sales service including the software service that has resulted very useful.

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