

Dear Customer,

We are pleased to inform you that our participation in the recent Hannover - EuroBlech (23rd-27th October 2012) - was a success both from the standpoint of the number of visitors and guests at our stand as well as to the extent of the novelties shown during the fair.



Hall 13 / Stand D39

On the occasion of this event we introduced interesting news including:



- **NEWS** -> **Power Plus Machine 60.000A** (Patent Pending)

The future in a new technology

The Power Plus introduced a new hybrid technology, comprehending energy storage and inverter, which propels us into the logic of energy saving towards which the world is evolving. The low energy absorption diluted over time combined with excellent welding quality make this technology suitable for any kind of operating locations, from small workshops to large warehouses of mechanical factories.



going green...

This machine allows to perform medium frequency weldings with current over 60.000 Ampere and welding times up to 120 ms. The machine uses a three-phase electric supply with a socket of 32 Ampere only, which makes the machine suitable also for end users relying on reduced installed power.



- **NEWS** -> **E-tech family: 3660 and 3670**

The E-tech are the new TECNA's welding systems dedicated to the end-of-line plants. The versatility of the machine together with the excellent technical features given by the TE760 welding control unit, create a machine that can be used both in the car body repair field as well as in the industrial one so to ensure an excellent welding quality in very high-productive fields. Upon demand, the machine may be equipped with a fully water-cooled "X"-type gun.

- **NEWS** -> **Welding Gun with self-centring electrodes**

This welding gun is suitable to be integrated in automatic welding facilities of small mechanical parts and electrical connections. The upper part of the gun allocates the medium frequency welding transformer which can be chosen between different models available. On precision guideways with recirculating balls, the lower part realizes the mechanical parallel sliding of the moving elements that bring the welding electrodes. The stroke of the electrodes can be limited, both in the opening and in the closing phase by means of independent adjusting screws. It is also possible to delay the movement of either one of the electrodes thus to always get the same sequence of squeeze to the workpiece.



- **NEWS** -> **Strength Test Machine ST1900 0.5 - 5 TON**

The ST1900 have either a single or a double stationary self-supporting structure with a vertical movement of the operating head. Thanks to the precision recirculating ball screws, this very rigid kinematic solution guarantees a high quality precision test. To the vertical movement test system is applied a force transducer which varies according to the ST1900's models and capacities, that is to say according to a range that goes from 5000 N up to 300.000 N. The ST1900 can carry out both tensile tests on steel samples or rods, either spot or projection welded, and compression tests on projection welded nuts and bushings. This allows to estimate, during the test, the deformation of the material and the direct effects on the welded sample being inspected.





- **6022 evolution** - Linear action welder 30kVA

The big news conveyed by the 6022E is the new welding control unit that, besides the constant current working mode, provides a "Welding automatic system in SMART PLUS working mode" where the control automatically adjusts to the material to be welded without any operator intervention.

The union between the new fully automatic welding control unit, *Touch control*, and our 6022 machine fits perfectly into the current labour market that sees both production lots resized in the quantities and, sometimes, even less competent operators unfortunately. This new reality leads to an optimization of timings and to a search for flexibility in the various stages of production. Once the main parameters are set, the control unit on the 6022E, which is equipped with an automatic software, allows the machine to detect the thickness and type of material to be welded thus facilitating even an unskilled operator who will not have to reset the machine's welding parameters each time.

Moreover, we have exhibited:

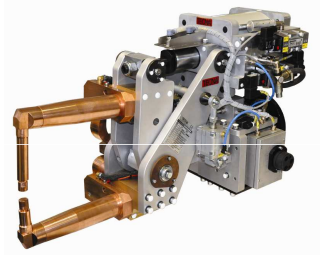


- **6020**
- **6022**

Inverter rocker arm and linear action spot welders 30 kVA



- **Controls** -> among our several controls our **TE850 Little Spot**, TE800, TE750, TE550, TE700, TE96, TE90



- **NEWS** -> **Robot Guns** - 2903, 2923, 3154D

Both with pneumatic cylinder and with electric actuator.

New electric version with standard brushless motors to better adapt to the demands of the integrators that often uses the gun as a seventh robot axis thus making the most of the software packages dedicated to "Spot welding".



- **Balancers** -> among these ones, also our **ATEX** 9354AX, 9522AX, one off the **new 95XX** and two off the **new Rubber-bodied Balancers** 9405.G and 9370.G.

We hope you will be pleased by these pieces of information.
Best regards.

TECNA S.p.A.