

Dear Customer,

We are pleased to inform you that our participation in the recent fair in Bologna – Lamiera (9th to 12th May 2012) - has aroused in the insiders great interest in our products and has brought important attendances of international guests and visitors to our stand.



Lamiera 2012 - Hall 36 / Stand B15

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

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

With this machine, it is possible to perform medium frequency welds using current values beyond 120.000 Ampere and times up to 65 milliseconds. The machine uses a three-phase mains electrical connection through a plug of just 32 Ampere thus making it suitable also for users who can rely on a reduced installed power only. It is equipped with an electric axis with brushless motor managing the descent of the electrode and the welding force. Optionally, it can rely on remote diagnostics for servicing, maintenance, retooling, etc. The modular design of the machine allows to frame the layout and to size the performances up according to customers needs.



going green...

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.



- **NEWS** -> **6022 Evolution**

30kVA Linear action welder (power at 50% 30kVA, maximum short-circuit current 19kA, maximum welding force 470daN).

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 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.



- **NEWS** -> **ST1900 20 TON Strength Test Machine**

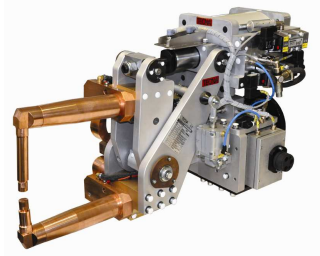
These machines are particularly suitable for manufacturing companies that rely on both spot and projection resistance welding and have the need to ensure precise mechanical features of the welded joint, such as the maximum force applied and the type of fracture, either due to fragility or to yield, which occurs when the maximum force applied is exceeded. In an industrial world where, normally, each welded spot must be checked and certified, the new ST1900 machines turn out to be the perfect instrument for guaranteeing the quality of the process.



- **Controls** -> among our several controls even the **NEWS** introduced at WIRE 2012, our **TE850 Little Spot**.

The reduced dimensions of this control allow it to be easily lodged without overlooking the performances and the best value pricing. It can be used both in single-phase and inverter machines and can be connected to different kinds of nets allowing in this way to dynamically change the welding parameters from one welding spot to another.

Moreover, we have exhibited:



- **NEWS** -> **Robot Guns**

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.



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

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

TECNA S.p.A.