

## START OF PRODUCTION OF THE NEW MULTIAIR TECHNOLOGY

Production of engines with Multiair technology started in the FPT Termoli plant.

The new technology was presented in a world-wide premiere at the Geneva Auto show last March.

The engine is a Fire 1.4 (from 105 to 170 HP) that will equip, as a first application, the Alfa Romeo Mi.To due to be launched next September.

Multiair is the new electro-hydraulic system of engine valves for dynamic and direct control of air and combustion, cylinder by cylinder and stroke by stroke

Thanks to a direct control of the air through the intake engine valves without using the throttle, Multiair helps reducing fuel consumption; pollutant emissions are likewise reduced through combustion control

Multiair is a versatile technology, easily applicable to all gasoline engines and with future potential developments also for Diesel engines

Main Multiair benefits are:

- up to 10% more power
- up to 15% low-rpm torque improvement
- up to 10% fuel consumption and CO2 reduction
- up to 25% fuel savings on Turbo downsized versions
- 40% Hydrocarbon and Carbon Monoxide reduction
- 60% NOx reduction

These benefits generate a strong “Customer appeal” with a consequent, huge increase of demand for these engines.

Product and industrial process technological versatility assures the Termoli plant with the level of flexibility needed to meet a foreseen increase of demand, up to the extension of Multiair Technology to the whole Fire production.



Industrial process has been specifically optimized, both in machining and assembly phases, in order to assure a quality level on a worldwide basis.

### **FIAT POWERTRAIN TECHNOLOGIES**

Fiat Powertrain Technologies, managed by CEO Alfredo Altavilla, is the Fiat Group Company including all the Powertrain activities previously carried on in Fiat Group Automobiles, Iveco, Centro Ricerche Fiat and Elasis

With its annual output of around 2,9 million engines and 2,4 million transmissions and axels, 20.000 employees, 16 plants and 11 research centres in 9 countries, FPT is one of the most significant players in the powertrain sector on a worldwide basis.

For further information, please surf our web sites

[www.fptpowertrain.com](http://www.fptpowertrain.com)

[www.fptmultiar.com](http://www.fptmultiar.com)

### **THE TERMOLI PRODUCTION SITE**

The Termoli plant was opened in 1972; engines production started the year after, whereas transmissions began to be produced in 1975.

At present, in the Molise site Fire engines 8 and 16 valves and 1.4 T-Jet and C510, C513 e C546 transmissions are being produced.

Yearly production capacity amounts to around 1 million engines and 650.000 transmissions. Termoli production site covers a total area of around 1.274.000 square meters of which 220.000 are covered and employees some 2600 people.

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