

TECHNE TECHNIPACK ENGINEERING ITALIA S.p.A.
'People who find solutions'

HALL 14
STAND NR.14 B 05

Press release

TURNOVER	The final turnover 2006 was € 25.800.000
PRODUCTION	After 22 years of activity TECHNE can boast about 870 machines produced, most of them still in operation world-wide. In 2006 TECHNE manufactured and sold 40 machines with a total moulds cavities of 439.
EXPORT ACTIVITY	TECHNE sales export activity is about 89%. TECHNE machines are present in 60 countries all around the world.
EMPLOYEES	TECHNE employs over 105 people world-wide.
BRANCHES	TECHNE has consolidated international Branches based in <ul style="list-style-type: none">- Brazil (following Brazil Sales and South America Service)- North America (following all U.S.A. and Canada Sales and Service)- United Kingdom (following all North Europe sales)- Mexico (following Mexico Sales and Service) In addition the following Branches are in evaluation for opening : <ul style="list-style-type: none">- India- China
AGENTS	TECHNE has a network of 7 consolidated and full time operating Agents, in addition to several collaborators all around the world.
TECHNICAL SERVICE	TECHNE has a staff of 8 Italian technical engineers travelling all around the world in addition to a worldwide technical network, located in <ul style="list-style-type: none">- South Africa (1 technical engineer available)- Dubai (1 technical engineer available)- Australia (1 technical engineer available)- Mexico (1 technical engineer available)- Brazil (1 technical engineer available)- China (2 technical engineers available)- North America (2 technical engineers available)
CUSTOMER CARE	TECHNE has 200 acquired Customers, most of them are market leaders in their own territories or international structures. In the last two years the internal Customer Care dept. has carried out some surveys on the customers' satisfaction and the machines technical performances. The aim was to evaluate the quality perceived by its Customers, to maintain a constant contact with Customers' expectations and use the feedbacks gathered to improve the relationship with them.
FUNDATION	TECHNE was founded in September 1985 in Bologna, Italy.
LOCATION	TECHNE is located in Bologna, Italy, as sole manufacturing plant worldwide. In 2008 TECHNE will move to a completely new premises in Castelguelfo (Bo), an industrial district near to all facilities.

HISTORY

TECHNE was born from a high motivated staff of technicians who decided to develop a shuttle EBM project able to compete with the dominant position of German Companies.

Since the beginning the main target was to fully control the technology and mechanical concepts (extrusion screws and barrels profile, extrusion sophisticated heads, operating software, hydraulic projects, moulds); secondly to manufacture EBM with all recent resources in terms of quality components, mechanical parts with tight tolerances, world-wide available commercial parts and extremely accurate control and test procedures.

Last but not least, the attention has been always kept to create a "team work" internally to the Company and to build a concept of "working partnership" with our Suppliers and with all our Customers.

The result has been outstanding: TECHNE has been able to grow up as to being identified as one of main players in his own field of application and to become a major Supplier of almost all Liquid Products Market Leaders and of biggest worldwide Converters.

MISSION

TECHNE is committed to:

- achieve the status of worldwide market leader in high technology extrusion blow moulding machines manufacturing
- be recognised as a first class "solution provider" in the liquid products plastics packaging field
- continuously improve the perceived quality related to its products and services in order to exceed customers' expectations (as per Kaizen theory)
- develop an organisation which contributes to the economic and social well-being of the community at large

KNOW-HOW

All TECHNE® technology has been developed in-company since the beginning of his history and bullet points could be identified as follows:

- **Multi-cavity and multi-layer extrusion heads**
(First Company to design and manufacture EBM machine up to 8 extrusion heads 6 layer for food and EBM machine up to 24 extrusion heads monolayer)
- **Extrusion screws profile for all kind of different materials**
- **TWIN® mould clamping concept**
(The only Company to design and patent the TWIN concept, unable to decrease machines footprint of more than 30% for same production output, thanks to dual frontal exit, and unable to increase the output of more than 10% for same number of cavities, thanks to innovative parallel motion)
- **Co-extrusion technology PCR**
(First Company to develop COEX 3 layers with 3 separate extruders, for Post Consumers Recycled material related to household chemical products).
- **Co-extrusion technology HMWPE**
(First Company to develop COEX 3 layers with 3 separate extruders, for HMWPE for Dangerous Goods Drums)
- **High performance cooling VELTECH®**
(First Company to patent a fast cooling device without any external agent able to reduce significantly the production cycle time)
- **Clamping system**
(First Company to utilize AC vector speed motor for electronic mould clamping)
- **Aseptic packaging system**
(The only Company to design and patent aseptic EBM system for low acid liquid food, such as white milk ,without use of chemical sterilizing agent)
- **In mould labelling**
(First Company to design and patent I.M.L. for shuttle EBM machines with recyclable plastic labels up to 32 labels simultaneous application)
- **Proprietary software**

(First Company to develop and apply CamBus wiring to EBM machines)

- **Extrusion head material colour quick changes**

(The only Company to develop and implement static mixer in EBM extrusion heads allows colour change below 40 minutes any colour to any colour)

- **Six Sigma Programme**

(The only Company in EBM technology to develop a TQM -Total Quality Management- and to utilize it for final product analysis with CP/CPK methods).

BRANDS

- TECHNE©
- SYSTEM©
- ADVANCE©
- VELTECH©

PATENTS

All TECHNE® technology aims to provide a response to today's demanding production needs.

- **ALLPAC EBM:** integrated with a Filling and Capping system in order to produce end-finish products.
- **ADVANCE EBM:** full electronic motion with possibility to run up to 4 carriage simultaneously.
- **VELTECH:** Modified cooling methodology and technique that allows a significant saving related to cooling phase of EBM process.
- **TWIN EBM** machine with parallel shuttle motion
- **ASEPTIC BLOW System** to keep constant the internal bottle volume.
- **STACKABLE BOTTLE BOTTOM** technique to open a mould for an extremely deep bottom configuration.
- **ELECTRIC CLAMPING** solution to apply an adjustable clamping force with AC vector speed motor.
- **IN MOULD LABELLING** technical solution to increase the application speed for plastic label during the blowing process.
- **EXTRUSION HEAD** to produce multi-layers bottles

PRODUCTS

TECHNE is a 'Global Solution Provider' able to supply complete engineering lines and turnkey solutions (multi-cavity, multi-layer and aseptic solutions): From the customers' needs to TECHNE complete Solutions through several stages:

- o the products design, the pilot mould test run, CP/CPK analysis, the industrial moulds
- o the supply of the stand-alone machine or complete engineering lines
- o the possibility of having a complete range of after-sales services (spare parts and retrofit assistance, technical service, training and preventive maintenance plans).

TECHNE EBM machines provide users with high added value in terms of durability of the investment, running costs, productivity and efficiency throughout the working life of the machine.

APPLICATIONS

TECHNE machines are designed for the production of HDPE, PP, HMWPE, containers up to 25 litre for non-carbonated liquid food and industrial applications such as:

- white, soya and additivated milk (low acid aseptic products)
- fruit juices, tomato sauces, (high acid aseptic products)
- yoghurt, on the move drinks (pasteurized products)
- fluid lubricants, agrochemical, dangerous goods (industrial products)
- detergents, softener (household products)
- hair and body products (personal care products)

BULLET POINTS

INNOVATION by advanced technologies
EFFICIENCY by advanced methodologies
COST REDUCTION by high standardisation

PROCESS CONTROL by Total Quality Management (Six Sigma)
SERVICE by worldwide twenty four hours support
COMPETENCE by extensive staff education
COMMUNICATION by modern media tools

CONTACTS

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FOR FURTHER INFO

Please visit our web-site: www.techne-it.com

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TECHNE: PEOPLE WHO FIND SOLUTIONS

ADVANCE® MACHINE

(Official presentation during K2007)

GENERAL PRESENTATION

During K1992 TECHNE revolutionized the market by introducing a new and innovative design of a blow moulding machine: SYSTEM models.

After 15 years during K2007 TECHNE again will revolutionize the market with a world-wide patent. During this exhibition TECHNE will officially launch the exclusive ADVANCE® model blow moulding machine. This new mecatronic machine guarantees a high productivity with a energy saving of 35% (compared with Hydraulic machines).

ADVANCE® has been developed to offer application flexibility and support customers with their production growth: it is totally electric, innovative on the shuttle motion, studied for a modular configuration from 1 to 4 shuttles with a simultaneous movement, provided with adjustment clamping according to the production needs, completely electronic parison profiling, interchangeable extrusion platform in order to grant a totally versatile use and offer a configuration up to 6 layers.

A remarkable cost reduction is possible due to the Cambus wiring, the use of an industrial Pc Windows based machine control, technical assistance on-line, remote production data retrieval, dramatically reduced standard maintenance and thanks to the automatic setup of the production regulation parameters.

The reduction of the mentioned costs, the high modularity and flexibility (e.g. the possibility of producing from 4 to 40 cavities with the same machine!) along with the VELTECH® system (TECHNE patent capable of increasing the production speed by a minimum of 15% when comparing the same container technical characteristics), makes ADVANCE® series the market datum point for next years.

Consequently ADVANCE® offers a measurable and rapid return on investment: reliable and efficient, in accordance with the most strict operator security rules, the innovative lay-out allows for space optimization. The assembly standardization and the respect of precise quality parameters guarantee a long operating life of the investment, as applies to all the other TECHNE machines (more that 800 multi-cavity equipments produced in 20 years' activity and still working all around the world).

Provided with a low environmental impact, quiet and hygienic, ADVANCE® is suitable for alimentary application, as well as aseptic, cosmetic and pharmaceutical use.

The ADVANCE® ADV4-510 model will be working every day during K2007, from 11 a.m. to 13 p.m. and to 15 to 17 p.m. producing 250ml bottles for the cosmetic market (production: 8.930 pieces per hour). In particular this prototype is equipped with quick mould/colour change and VELTECH® cooling system. In addition, the mould and the production process are in conformity with the detailed and strict analysis parameters of 6 Sigma - CP/CPK as per the customers' requirements.

CONTACTS

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FOR FURTHER INFO

Please visit our web-site: www.techne-it.com

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TECHNE: PEOPLE WHO FIND SOLUTIONS

ADVANCE® MACHINE *(Official presentation during K2007)*

SHORT PRESENTATION

GENERAL FEATURES	<p>Total electric motion Modular shuttle concept Adjustable clamping force Industrial pc windows based Cambus wiring Ac drive for all extruders Interchangeable extruder package Quick colour change extrusion heads Quick moulds change device Parts standardisation C.E. safety approved Extrusion head at 90° Innovative parison regulation</p> <p>Our studies have calculated that there is an average Consumption Reduction of 35% (VS Hydraulic Machine).</p>
MODELS RANGE	<p>ADV1/2/4-510</p> <p>ADV1/2/4-700</p>
MODEL ON THE SHOW	<p>ADVANCE® model ADV4-510, 5+5 cavities for the production of 250 ml bottles for cosmetic market. Hourly production 8.930 pcs. This model will benefit by TECHNE fast cooling system Veltech©. The mould will be tested according to the CP/CPK analysis in order to meet customer's quality standard.</p>
EVENTS ON THE BOOTH	<p>During the exhibition the ADVANCE® machine will be working all days:</p> <p>Morning: from 11 to 13.00 Afternoon: from 15 to 17.00</p> <p>Considering the extremely innovative know-how of this model, specific information will be released directly from TECHNE staff available on the booth.</p>
CONTACTS	<p>TECHNE Media Communication dept. e-mail : media_communication@techne-it.com</p>
FOR FURTHER INFO	<p>Please visit our web-site: www.techne-it.com</p> <p>TECHNE TECHNIPACK ENGINEERING ITALIA S.p.A. Via della Tecnica 53 40068 San Lazzaro di Savena (BOLOGNA) Italy</p> <p><i>TECHNE: PEOPLE WHO FIND SOLUTIONS</i></p>