

Press release



Extrusion Blow-moulding and filling in an integrated machine

THE NEWS

UNIKA is an integrated machine which will be officially launched during Anuga Foodtec 2009 exhibition. This innovative product design extrusion blow-moulds bottles with filling in a unique unit that represents the first "combi" in the HDPE market.

This model will be in operation at the exhibition, producing mono-layer HDPE 250 cc bottles for a dairy application at 4.500 pc/h.

ADVANTEGES:

- HIGH ROI: rapid and measurable return of investment thanks to a lower bottle cost and high added-value integrated production.
 - FLOOR SPACE REDUCTION: from the extrusion blow-moulding to the filling process in a unique integrated unit.
 - ENERGETIC SAVING: 35% saving in comparison to traditional hydraulic complete packaging line.
 - REDUCED MAINTENANCE: thanks to the part standardization, oil absence and mecatronic solutions. This machine does not need long machine stops for cleaning and maintenance.
 - WORKMANSHIP REDUCED by 50% in comparison to traditional packaging lines.
 - VERY FLEXIBLE due to fast mould, colour and liquid product change. Production stops and re-starts in only a few minutes.
 - EFFICIENT: high production rate thanks to technical assistance on-line, remote production data retrieval and the automatic setup of the production parameters
 - EXTREMELY PRECISE: net weight precision filling technology is reliable and superior to the performance of any other system available on the market.
 - COMPLETELY MECATRONIC: industrial PC based, Bus wiring and the most innovative solutions for granting flexibility and high production.
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- MODULAR: Modularity achieved with the machine design, assembly and test procedures. UNIKA can be standardized to a considerable degree and this has a formidable impact on the reduction of the delivery times.

- **SUSTAINABLE:** Low environmental impact, quiet and hygienic this machine is eco-friendly due to the absence of oil and the reduced presence of copper other non-recyclable materials.
- If required, the bottles produced can be in conformity with strict parameters verified through the use 6 Sigma analysis- CP/CPK.

APPLICATIONS: Suitable both for food (dairy products, sauces, fruit juices) and industrial applications (personal care, lubricants and house-hold chemicals).

UNIKA can mould and fill bottles (mono or multi-layer) from 80 ml to 2 lt.
Larger bottle volumes up to 5 lt. are possible with other UNIKA® versions.

TECHNE Extrusion Blow-moulding machine combined with ACMA VM Filling system: together with UNIKA® to respond to market higher challenges and give a faster return of investment.



Extrusion Blow-moulding



TECHNE TECHNIPACK ENGINEERING ITALIA S.p.A.

TURNOVER	The final turnover 2008 was € 31.000.000.
PRODUCTION	After 23 years of activity TECHNE can boast about 900 machines produced, most of them still in operation world-wide.
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)
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 10 Italian technical engineers travelling all around the world in addition to a worldwide technical network, located in <ul style="list-style-type: none">- Dubai (1 resident technical engineer)- Brazil (3 resident technical engineer)- North America (1 resident technical engineer)
FUNDATION	TECHNE was founded in September 1985 in Bologna, Italy.
LOCATION	In 2008 TECHNE have moved to new premises in Castel Guelfo (Bo), characterised by most innovative industrial solutions for production efficiency, workers safety and power saving.
HISTORY	<p>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.</p> <p>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.</p> <p>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.</p>

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, on purpose of reducing the machines footprint of more than 30% for same production output, thanks to twin frontal exits, and capable 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 Bus 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 turn-key solutions (multi-cavity, multi-layer and aseptic solutions): From the customers' needs to TECHNE complete Solutions through several stages:

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

TECHNE 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 flavoured 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)
- pharmaceutical (physiological solutions and medicines containers)

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

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FOR FURTHER INFO

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Filling



ACMA ITALIA S.p.A.

TURNOVER	The final turnover 2008 was € 65.000.000.
PRODUCTION	After 85 years of activity Acma can boast about 30.000 machines produced, most of them still in operation world-wide.
EXPORT ACTIVITY	ACMA sales export activity is about 90%. ACMA machines are present in 60 countries all around the world.
EMPLOYEES	ACMA employs over 500 people world-wide.
BRANCHES	ACMA 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)- China (following all Far East sales and Service)- Moscow (following CSI Sales and Service)
AGENTS	ACMA has a network of consolidated and full time operating Agents, in addition to several collaborators all around the world.
TECHNICAL SERVICE	ACMA has a staff of 48 Italian technical engineers travelling all around the world in addition to a worldwide technical network, located in <ul style="list-style-type: none">- China (1 resident project manager)- Brazil (5 resident technical engineers and 1 project manager)- North America (1 resident technical engineer 1 back office)
FOUNDATION	ACMA was founded in 1924 in Bologna, Italy.
LOCATION	Headquarter premises are located in Bologna : where design and manufacturing of soap wrappers, powder fillers, joridy pack fillers and confectionary equipment is carried out. A second manufacturing site is located in Mantova, developing design and production of liquid filling and capping equipment.
HISTORY	Acma is part of a family held company, named COESIA, a business featuring a multifunctional portfolio of an automatic machinery, with a leading position in a number of different industries. The group deals with different sectors such as <ul style="list-style-type: none">• Food and Beverage Packaging• Tobacco making and packing• Chemical packaging (Domestic Chemicals)• Hygiene Disposables making and packaging• Five-axis Milling Machinery for Aerospace and Automotive applications• Gears and Transmissions for high performance applications in the automotive industry.

The group is composed of 8 companies: G.D, ACMA, CIMA, GDM, SIRIUS, HAPA, LAETUS, VOLPAK and can rely on various manufacturing factories placed in 6 countries (Italy, Germany, Spain, USA, Brazil, Switzerland), branches in 13 countries, a turnover of 650 million euro and over 3200 employees.

The core competence of COESIA Group companies is represented by its solutions for handling materials with great accuracy and at high speed. The Group's distinctive feature lies in its important investments in innovation: over 10% per year of the Group's turnover is dedicated to R&D.

Over 7,000 customers are served and 40,000 machines have been delivered worldwide, this is the evidence of the commitment to provide value-creating solutions in all sectors in which COESIA Group companies operate. Innovation has always characterised the company's philosophy and is the key to understanding why ACMA has become a point of reference in its markets during its long history.

Today the company is forced by the market to be ever more competitive, but even before such a pressing demand, technological innovation – the feature that made ACMA great – wasn't the only answer.

"Co-creating new packaging value" means forging the best relationship with ACMA customers: the objective of our packaging specialists is first of all to be a partner during the creative and innovative process of developing packaging solutions.

Thanks to our solid knowledge of most recent technology, ACMA creates not only original solutions, but also improves the functionality and keeps the appeal of traditional packaging.

The creation of the new IPT (Innovative Packaging Technology) service represents the best evidence of this approach: putting together ACMA Staff and its customers' packaging specialists to start a process of intense creativity through the research and development of new packaging concepts, applications and materials.

MISSION

ACMA is committed to:

- To become the most successful federation of automated machinery companies in the world
- by using superior business processes and methodologies
- providing value-creating solutions and life cycle after-sales services
- to our customers
- assuring high returns on net assets
- generating satisfaction for our customers, employees, suppliers and shareholders

KNOW-HOW

The name ACMA conjures up products that are now part of the collective imagination and evokes machines that have revolutionized Italian and worldwide packaging : we are talking about over 85 years old history of success of the Italian industry. Innovation has always characterized ACMA philosophy and it is the key to become an historical point of reference in the market during its long history.

Today we are forced by the market to be even more competitive and, against such a pressing demand , technological innovation – the thing that made ACMA great – cannot constitute the only answer. Thanks to our solid knowledge of most recent technologies we can create not only original solutions, but we can also improve the functionality and keep the appeal of traditional packaging. We really care about creating a long term partnership with our clients in order to give value to their activities and follow together the path towards success.

MAIN BRANDS

- ACMA®
- CORNIANI®
- OCEA®
- WM®
- JORDYPACK®
- ZIP TOP®
- ETC.

PATENTS ACMA S.p.A. protection of intellectual property aims at maintaining the rights deriving from registered trademarks, models, design, including the copyright , the protection against unfair competition and license agreements. This precious defence activity is carried out for ACMA and for all the companies of COESIA group as well by the Intellectual Property Dept. of G.D. S.p.A. the major company of the group. Thanks to its activity all ACMA devices , machines, groups, packages, trademarks and advertisement are protected by patent rights.
ACMA is proprietary of over 150 patents and several trade marks.

PRODUCTS ACMA's core business activity is to manufacture stand-alone equipment, but it is not limited to it as we are able to supply fully engineered packaging lines and turn-key plants :

- From containers and closures production as well as product design, up to end of line equipments for cartooning, palletizing and pallet handling.
- Service : ACMA has been setting high quality standards for After Sales Service and it continues its tradition by providing for a close contact with customers for the whole life time of the machinery supplied. ACMA offers direct assistance to its clients in order to solve, as fast as possible, every kind of problem and forge a strong partnership with them.
- Spare parts: ACMA packaging service offers customised solutions, ranging from assortments of spare and wear parts, through maintenance contracts, to analysis and optimisation of existing systems.
- ACMA factory-original spares provide strict quality standards for your machines; moreover our spares are manufactured from original 3D drawings and the highest standard materials are used.

ACMA 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

- Chemical : fluid lubricants, varnishes, households products
- Personal Care : hair and body products
- Food: dairy, sauces, edible oil, fruit juices

BULLET POINTS Innovation and development as key to each business, carried out with transparency, ethical approach and respect for the individual
Participation and professional growth within a creative, united and motivated group
Social commitment in order to contribute to the sustainable development of the environment and of the local communities in which we operate
Excellence in economical performance to create value in the sectors involved

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FOR FURTHER INFO Please visit our web-site: www.acmagd.com

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