

INDUSTRIAL BREWERIES



FOODING.



PUB BREWERIES

VECO
GROUP



ORIGIN AND COMPANY EVOLUTION

The VELO Family, originally from Caerano S. Marco, has been involved in conceiving and manufacturing machinery for farming and oenology, since the middle of the nineteenth-century.

As witness of that creative past, the VELO's symbol is still an old wine-press made by Simeone Velo in 1855 that is shown in the actual modern head office. Since 1967 Antonio Velo, who is the actual owner, has been wisely developing the original knowledge and experience of four generations of manufacturers, letting grow and expanding around him a Company which is leader in this field today. Intuitions and skills of 250 people have improved the Company performances during the years in a way to achieve the revenues target of 50 Mil.

Euro. The two production plants at Caselle d'Altivole cover an area of 100.000 sq.m of which 42.000 sq.m are sheltered. Besides the oenological

branch, VELO SpA increased its presence in pharmaceutical, chemical and foodstuffs area designing and manufacturing complex plants for spirits, beer, fruit juices, chemical preparations, pharmaceutical liquids, oils and edible greases and primary water, process and waste water treatment .

VELO IN THE WORLD

VELO is selling 60% of its production abroad in 33 different nations. During the last 10 years a commercial network has been structured, allowing to operate in the foreign markets in direct contact and close to the final customers needs.

We can consider an Australian or a Brazilian customer as close to Velo as an Italian customer can be. Ability to foresee and to anticipate market changes allowed the company to grow from artisan to industrial size, being now present as such in different places in the world.

JOINING OF THE LEADING COMPANIES IN THE WORLD OF BEER: VELO GROUP AND FOODING GMBH

Since the month of April 2002, FOODING GMBH has become a company of VELO GROUP; while VELO S.p.A. remains the market reference in Italy, FOODING is now in charge of all engineering and commercial activities for the rest of the world.

This joining between leading companies in the field of pub and industrial breweries let now the German company FOODING own all the required resources to extend its international activities.



SINCE 2002
THE UNION

VELO
GROUP
with
FOODING
GMBH offer now

breweries systems developed with the German design and culture, manufactured with the advanced and top quality technology of VELO S.p.A. factories, situated in Italy near Venice, widely using CAD/CAM automation systems. Breweries can be designed with all levels of automation to reach plants fully autonomous requiring a very low man intervention.

The traditional FOODING flexibility, able to produce a variety of technical solutions is now supported by a dynamic production response of VELO GROUP in Italy with a prompt in-time deliveries.

The experience and references of both companies let FOODING enter the field of bigger size plant up to 250 HL per brew.

The two companies have already jointly delivered mini breweries turn key plants up to 150 HL per brew.

The synergetic effect of this joint could be seen right from the start up of complete breweries with 250.000 HL/year turn key project.

- Feasibility study
- Concept and strategy
- Project engineering
- Design for Manufacturing
- Production
- Assembly and start up
- After sale service
- Preparation of recipe and beer types
- Training on site

FROM
THE IDEA
TO THE
CONCEPT





QUALITY IN IDEAS AND DESIGN

Starting from the deep analysis of your ideas we plan step by step their achievement with the know-how and skill required. We own strong competence in the field of breweries ranging from pub breweries to industrial breweries with a cast out volume of 250 HL. Our engineers and expert brew masters design the complete plants from the process flow sheet to lay-out to manufacturing and assembly plans up to the final procedures for the production of beer with the required quality.

Also the training of client personnel is part of the project plan. For both newly designed breweries and enlargement or restructuring of existing plans, VELO Group is the competent partner from the malt to the bottle.

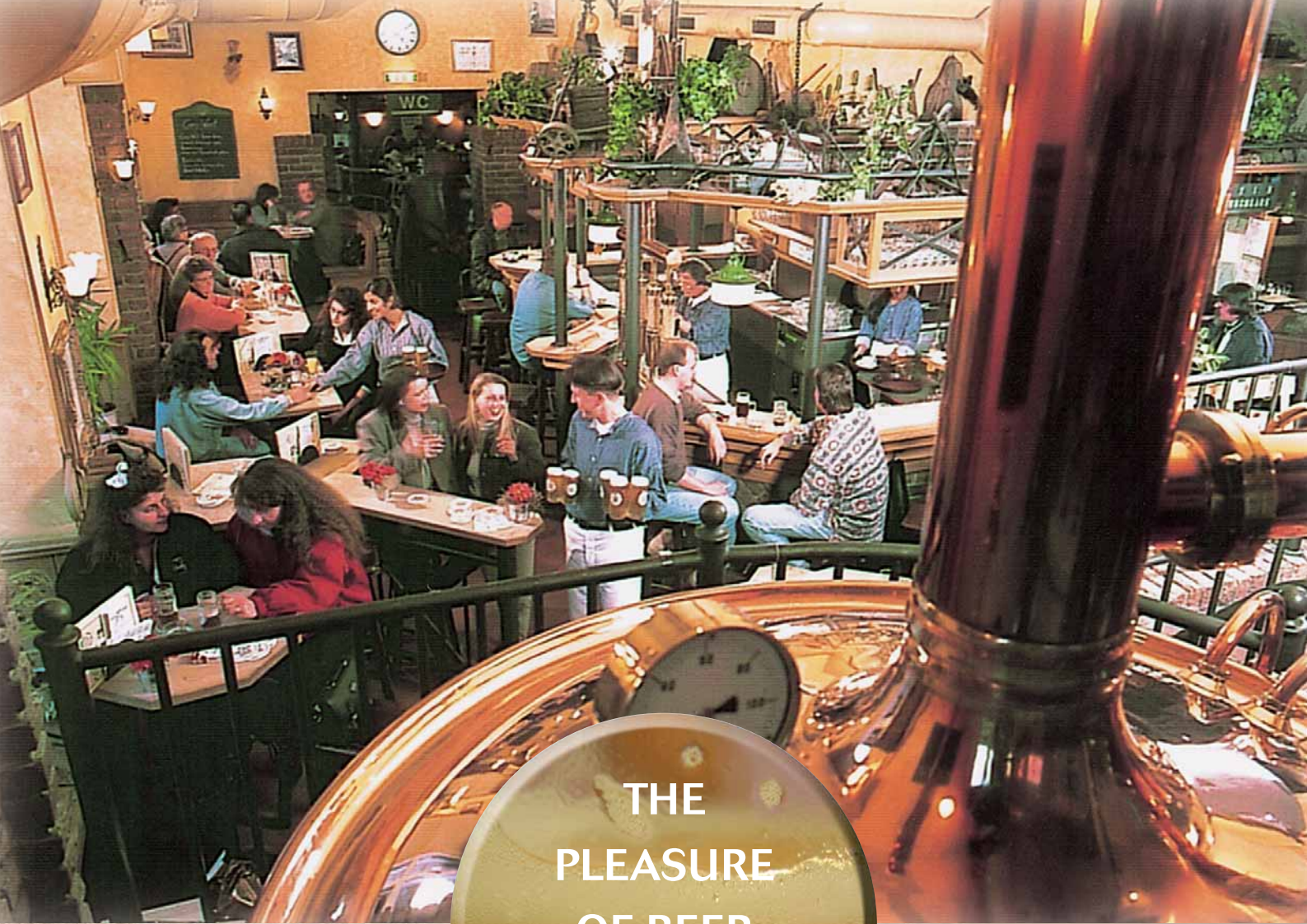
COMPETENCE IN BEER PRODUCTION

We can design and produce complete industrial brewhouses with a state of the art technology; they are designed for a flexible production for all types of beer with specific procedures for each need.

Our industrial plants are designed for the traditional way of brewing, as well as high gravity, and non alcoholic beverages.

Our service as consultants can contribute to the execution of newly designed plants and to find solutions for existing breweries, optimising the efficiency of already working equipment.

Our experience is built on more than 200 installed breweries worldwide; in Italy we are the market leader with more than 50 installations.



THE
PLEASURE
OF BEER
AT THE SOURCE

Talking, drinking, eating: these primary needs can be best satisfied in a comfortable environment.

This is the reason why the concept of pub with annexed brewery is very popular: here the pleasure of drinking where the beer is produced is a special event.

A pub of this kind to be successful always requires:

**concept,
management,
technique
of beer production.**

We would be glad to develop with you and the help of our furnishing experts a concept representing your personal wishes and ideas.



TECHNICAL INNOVATION BY WORLD WIDE EXPERIENCES

Thanks to the high quality of finishing and design varieties, our plants opening become exceptional events.

We do not accept compromises when choosing the technical components: we use only elements and systems that have been successfully tested in the brew industry all around the world.

Our engineers contribute to the development and innovation of the project on the base of over 200 plants experience. One of our strong points is the high automation degree

we can equip our plants with. Our technology can limit the employment of manpower to the supervision only.

● Automation

● Filtration

● Brew kettle
vapour condensers

● Frequency
regulation

● Compact milling

● Compact electrical
steam heating

● Racking harm
with adjustable elevation

● CIP plants

● Cooling unit

● Decantation technique

● Fermentation
temperature control

● Decoction/infusion
process

● Fermentation process

● Stainless steel
and copper solutions

CONCEPT
MANAGEMENT
TECHNIQUE



GREAT ARTISAN SKILLS WITH A HIGH PRODUCTION TECHNOLOGY

One of the most important factors for the construction of a successful plant is the attitude of the company to orient its activities towards the project management, to obtain the harmonious co-operation among the team components.

By this approach the organisation is projected to the common targets of timely delivery, project costs and quality, finally satisfying the client with a successful business.

Together with the production of complete breweries, Velo group can supply single components required for the

production of beer, such as kieselgur pressure filters, mash filters, fermentation and any kind of tanks, CIP plants, pasteurisers, cooling units, alcohol-free beer production units, sterile filtration etc.



THE BREWHOUSE



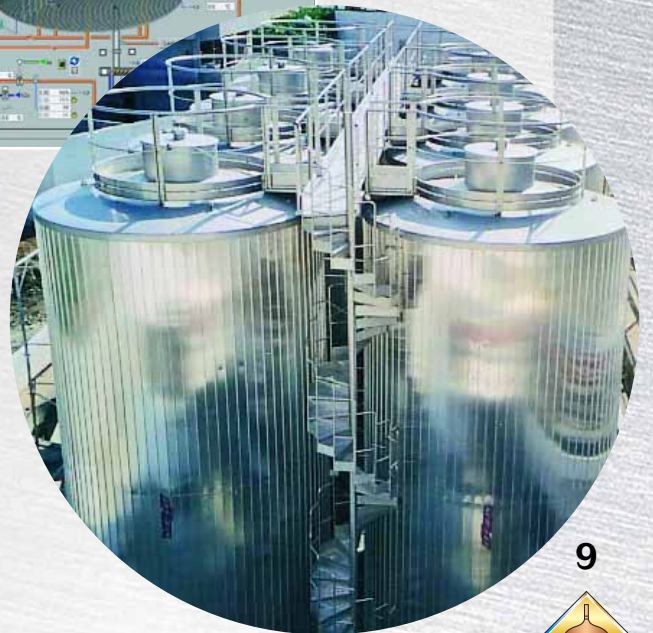
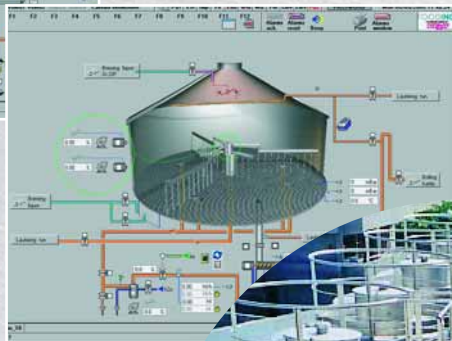
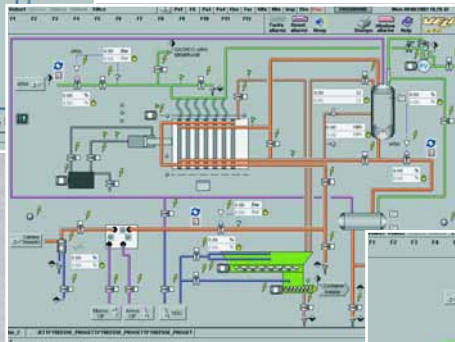
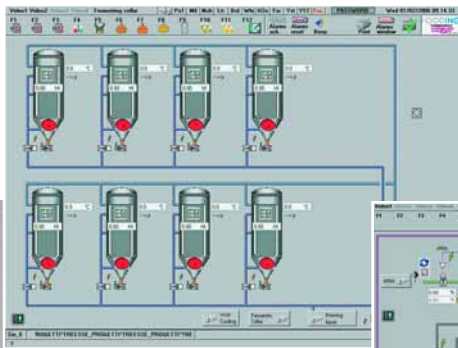
VELO
GROUP
has recently
developed and
produced the wort

filter. This technology allows an appreciable reduction of filtration lead time, compared to the traditional technology.

The further advantages are relevant to the higher efficiency of the final extract, simple use, dryer spent grain, greater quality of filtered mash and reduced overall dimension.



MASH FILTER 1500 X 2000



For fully automatic plant, our programs can adapt the plant parameters to the beer production requirements.

We can also organise training courses for people working and managing the plants.

We offer also a complete preparation of recipes and permanent advice service regarding the production process.

Also after the start up VELO GROUP will assist the clients on a 24 hours daily basis via remote modem control.

Our support team will remain at the client disposal for both phone enquiries as well as on-site visits.

TO REACH SUCCESS THROUGH YOUR IDEAS

Each person is an individual, as such we offer a focused advise on each administrative phase to obtain the authorisations required for the production of beer.

Both for newly designed breweries and enlargement or restructuring of existing plans, VELO GROUP is the competent partner from the malt to the bottle.



Structure of training course for the management of a VELO GROUP pub brewery

FIRST DAY:

- Delivery and explanations on administrative handbook
- Technical explanations of the production plant components and raw materials
- Production technology: technical explanations of production process
- Dinner at typical regional brewery

SECOND DAY:

- Starting of production progress 1st brew:
 - milling • mash • worth
- Proceeding with production process:
 - filtration • boiling
- Proceeding with production process:
 - whirlpool • cooling
- The fermentation process
 - maturation • yeast analysis
- De-briefing on technical analysis and problem solving
- Dinner at typical regional brewery

THIRD DAY:

- Starting of production progress 2nd brew:
 - filtration • keg filling • plant sanitation
- Delivery of diploma certificate of brewery management.
- Evaluation of training course issued by the trainers.

FOODING.

produzione e vendita birra artigianale e biologica - organizzazione feste con strutture, attrezzature e oggettistica

SCHEDA DI VALUTAZIONE E GRADIMENTO DEL CORSO DI FORMAZIONE ED ASSISTENZA POST VENDITA

VOCE	Scorso	Discreto	Buono	Ottimo
PRIMA FASE				
Approntamento pratiche U.T.F.				
Modulistica e manuali				
Approntamento pratiche A.S.L.				
Modulistica e manuali				
Corso di formazione c/o l'impianto di Rasai				
Materiale didattico				
Valutazione impianto Rasai				
Preparazione tecnica dei Consulenti				
Disponibilità dei Consulenti				
Ospitalità c/o l'impianto di Rasai				
SECONDA FASE				
Lavaggio impianto				
Esecuzione delle tre cotte c/o l'impianto del cliente				
Assistenza fino al prodotto finito delle tre cotte				
Qualità del prodotto finito delle tre cotte				
Durata del corso				
Gradimento globale				

Timbro e firma

_____, il _____

VELO Group

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- **Plants**

Turn key projects:

- **Brewhouses**

- Malt silos
- Malt transport systems
- Roller mills for dry and humificated malt
- Hammer mills for dry and humificated malt
- Complete Brewhouses automatic - semiautomatic - manual
- Mashing kettle
- Atmospheric pressure wort kettle
- Vacuum wort kettle
- Forced circulation wort kettle
- Lautering tun
- Mash filter
- Pneumatic or mechanical transport system for spent grains
- Spent grains silo
- Whirlpool
- Floatation tank
- Heat exchanger

- **Lagering tanks**

- Unitanks
- Open fermenting vessels
- Vertical lagering tanks
- Horizontal lagering tanks
- Bright beer tanks
- Yeast storage tanks
- Tanks for yeast propagation
- Dispensing tanks with inliners

- **Filtration**

- Kieselguhr filter with vertical screens
- Kieselguhr filter with horizontal screens
- Screen filters
- Filter press on support-hanging
- Cross-flow filters for beer and yeast
- Vibration filter for yeast
- PVPP filter with and without recovery

- **Supplying install**

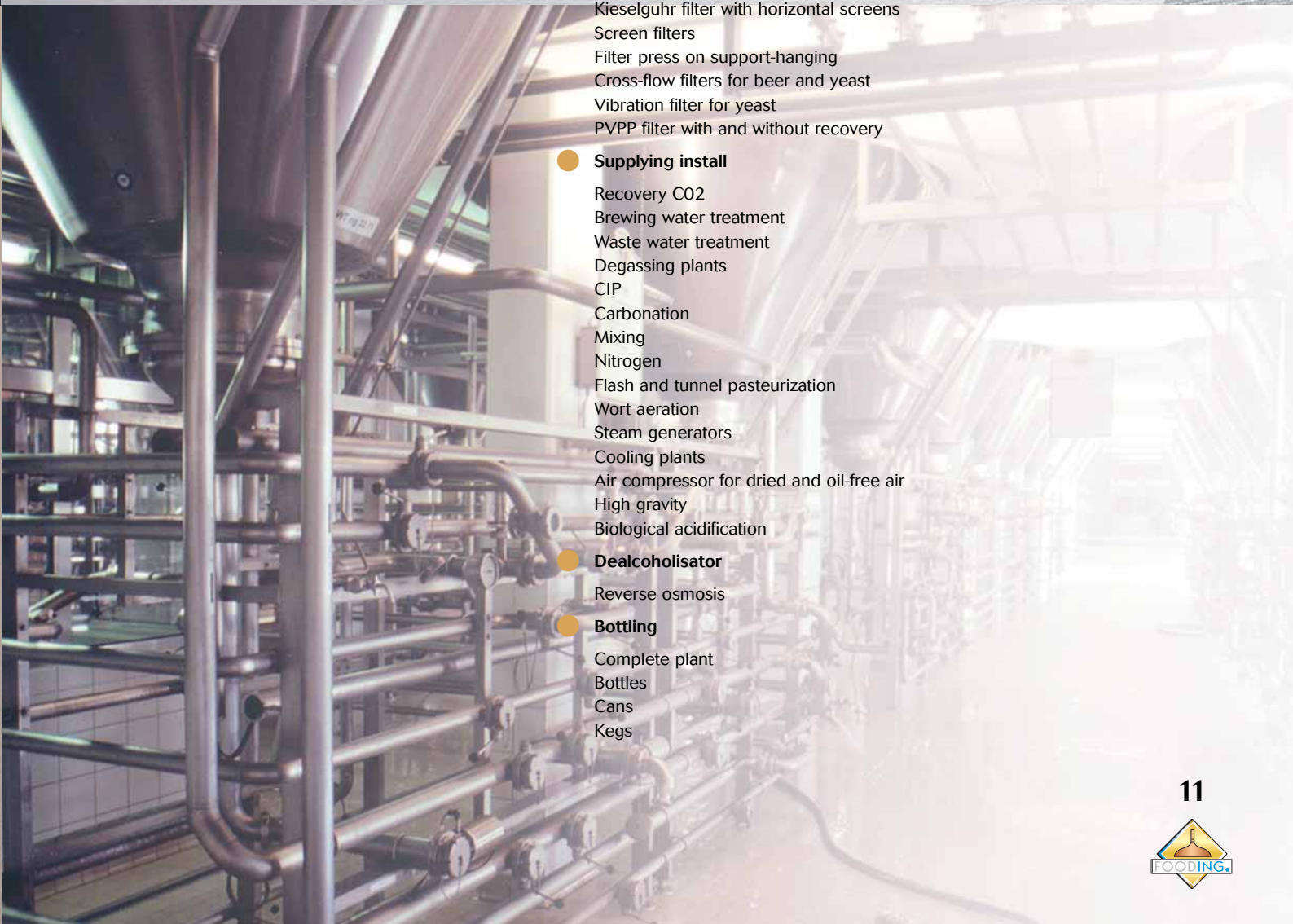
- Recovery CO2
- Brewing water treatment
- Waste water treatment
- Degassing plants
- CIP
- Carbonation
- Mixing
- Nitrogen
- Flash and tunnel pasteurization
- Wort aeration
- Steam generators
- Cooling plants
- Air compressor for dried and oil-free air
- High gravity
- Biological acidification

- **Dealcoholisator**

- Reverse osmosis

- **Bottling**

- Complete plant
- Bottles
- Cans
- Kegs



VELO IN THE WORLD



WINE DIVISION



BREWERY DIVISION



WATER TREATMENTS

- **Production units Velo & J. Ventures:** Argentina, Italy, Spain, South Africa
- **Velo agents:** Albania, Argentina, Australia, Austria, Belgium, Bosnia and Herzegovina, Brasil, Bulgaria, Canada, Chile, China, Croatia, Cyprus, Czech Republic, Egypt, England, France, Georgia, Germany, Greece, Hungary, India, Iran, Israel, Italy, Japan, Mexico, Moldavia, New Zeland, Peru, Portugal, Romania, Russia, Serbia and Montenegro, Slovakia, Spain, Turkey, Ucraina, U.S.A., South Africa, Venezuela



BREWERY DIVISION

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