

OCMI: 100 years of flexibility, innovation and timely support to all customers

OCMI-OTG is celebrating its 100 years of activity in the sector of glass processing machines for the production of borosilicate tubular glass containers for medical use and of glass tableware articles in 2021.

For the past 100 years, OCMI-OTG has been equipping and supporting the main medical and tableware glass factories worldwide during their growth, becoming much more than a supplier



for them. The essential aspects that distinguish the whole history of OCMI-OTG consist in maximum flexibility according to market trends, willingness to innovate continuously, and timely support to all customers.

AN IMPORTANT ACQUISITION

OCMI-OTG's 100 years have been crowned with the acquisition of a former competitor Kyp Accesorios, a Spanish manufacturer of ampoule manufacturing lines with almost 30 years of experience in the market, that joined its know-how and manpower with OCMI and is now contributing to create a fully integrated group offering the best commercial and technical support.



CELEBRATIONS AND SPECIAL EVENTS

The celebration of this important anniversary will find its peak in the second half of year 2021 with two main events that will see OCMI as protagonist.

OCMI-OTG will be present at Vitrum 2021, International Trade Show specialized in machinery for flat/hollow glass, that will be held from 5 to 8 October in Rho, Milan.

The company's commercial staff present will be available at the stand to provide information about its machines for the production of tubular pharmaceutical containers and glass tableware items.

During Vitrum, just a few kilometres from the Milan Exhibition Centre, OCMI will inaugurate its new showroom where visitors will have the possibility, even by remote connection, to see the last technological innovations applied to the manufacturing of ampoules and vials.

FLA 18 FORMING MACHINE

The new index rotation FLA 18 forming machine will be introduced as the last innovation developed by OCMI for the production of tubular vials.

This machine has been developed with 18 stations on the upper mouth forming crown, and 9 stations on the lower bottom finishing turret. This configuration and combination between the upper and lower working turret ensures maximum productivity even in the case that a lower station is out of service for any reason.

The machine has been developed to reach a maximum output of 55 items per minute with 2R vials, with the possibility to process glass tube diameters from 10mm to 30mm.

Turret rotation is driven by torque-motor, which is supplied together with the water chiller for its cooling. The same chiller can be used for the cooling of the forming plungers.

Forming operations are performed through three dedicated stations respectively dedicated to roughing and shoulder preparation, pre-finishing and finishing. As in OCMI continuous rotation forming machines, these stations follow the rotation of upper chucks through rotating bearings mounted on forming heads, and therefore do not need any manual alignment with the chucks. All these three stations can be removed to make maintenance and job-change operations much easier for the operator.

Tools, plungers and rollers are servo-driven, making setting and forming operations much more precise and smoother. Thanks to this feature, the operator can adjust the parameters concerning tools starting/ending position and their acceleration from the machine control panel.

After mouth forming operations, main dimensions can be controlled by the OPTIVIAL camera system, coming from the experience acquired with other OCMI vial forming machines.

A new generation camera allows to take up to 15 pictures of the same rotating vial and, consequently, have more precise average value for each dimension.

Servo-motors also drive the setting of the tube receiving plates and cutting station.

Nine lower chucks of the lower turret are driven by independent motors. Before the unloading device, a dedicated station flattens the bottom by means of a containment buffer, which is important especially for large size vials.

The lower chucks are equipped with blowers enabled by solenoid valves, aimed to remove fumes from the inside of the vials in order to keep alkalinity within the limits fixed by ISO standards.

Take-out, with a servo-driven transfer system, has been developed for connection with OCMI after-forming lines.



From the machine control panel, the operator can easily set the starting and ending positions of the plates and cams driven by servo-motors via user-friendly software. During setting and job-change operations, the operator can use remote push-button by enabling the jog mode.

The FLA18 machine is also suitable to be connected with OCMI automatic loaders, now available in different versions for the pick-up of single tubes from bundles or for the collection of complete bundles inside the loader deposit.

GLASS AMPOULE PRODUCTION

OCMI will be introducing the latest developments applied to its forming machines and after-forming lines with regards to glass ampoule production. The after-forming line, in particular, has been upgraded with a new series of motors and servo-motors, with

parameters that can be controlled from only one panel.

Electronic control can now be extended to the ampoule lifting devices of the different processing stations that are driven by electronic parametrizable cams.

Setting recipes can be saved inside the line control panel with their names, and called up if necessary for future production batches.

One of the main features of OCMI upgraded ampoule lines consists in the possibility to centralize the control of all functions. The operator can manage all operations related to colour rings, OPC, printing, Form B cutting and Form D closing (if present) from a single integrated panel.

All information regarding the new equipment is now available and will soon be loaded on OCMI's new website, updated according to the recent renovation of the group.

OCMI

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**KYP
ACCESORIES**

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