

AMUT-COMI ACF820 thermoforming machine to help fight against Covid-19 spread



(Novara, Italy – 29 May 2020) – COMI, the thermoforming division of the multinational AMUT Group has recently designed a special purpose machinery, helpful in limiting the spread of Covid-19.

The AMUT-COMI ACF thermoforming series, featuring die-cutting technology, is a flexible solution to adapt to different kinds of production. The "basic" model of the machine includes several functions that are normally offered as an option, allowing to process a wide range of materials.

Among the many applications, the automated ACF820 thermoforming machine has been adapted to produce 86,400 “non-woven fabric” protective face masks per shift.

The high-speed technology includes a stacking robot and 12-cavity mold. This robotic stacking system and suction cup gripper hand has proven to be extremely efficient, even using vacuum-permeable material.

A new design of the chain conveyor system has made it possible to minimize the formation of dust due to the rubbing of the material on the contrast guides. The integration of the inkjet mask marking system, between the forming and cutting station, has proved to be extremely effective and allows an important reduction in the number of personnel normally employed by doing this operation in sequence.

AMUT-COMI Advanced process technology has been integrated with EASY, our latest generation software, developed in-house by our skilled engineers.

Being an interactive software, it favors a very intuitive and user-friendly man-machine interface. Easy is able to understand the data set by the operator and process them, in order to propose optimized solutions, while ensuring the constancy of the process parameters, the management of the cycle functions and the ease in the resolution of the machine shutdown. This high-performance tool guarantees automatic adjustment of the cycle parameters according to the set speed, optimized diagnostics with information for

independent troubleshooting, PLC I/O boards monitor display, automatic verification of set parameters by rejecting data not compatible with the predefined cycle, detailed cycle program of all the functions of the automatic cycle, energy saving with optimization of the heating oven in relation to the mold size.

AMUT-COMI thermoforming machines are equipped with all the technological solutions required by industry 4.0 and can therefore be networked in the "Smart Factory".

AMUT-COMI is proud to contribute to stem the spread of the Covid-19, with its technology serving the Tunisian manufacturing facility of a renowned multinational leading company, active in the production of personal protective equipment.

About AMUT

AMUT (Automazione Macchine UTensili), established in 1958 is a global turn-key plastic processing and recycling systems designer and manufacturer.

Over the years the company has evolved considerably and become a group of companies providing customers with an increasingly extensive range of high quality Extrusion, Thermoforming, Recycling, Flexo Printing and Converting machinery, turn-key plants and related Services. The world Headquarters and production facility is AMUT S.p.A. which is located in Novara (Italy). Operating globally, the group's offices and customer service centers are strategically located in U.S.A., Canada, Brasil and South East Asia. This international presence is further enhanced through an efficient worldwide agent network.

Learn more at www.amutgroup.com