

PRESS RELEASE

AMUT COMI: RELIABLE SUPPLIER OF THERMOFORMING MACHINES

AMUT COMI, member of AMUT GROUP, is a 100% Italian company result of the cooperation between AMUT and COMI merging their technological know-how in thermoforming field. Together AMUT thermoforming division, operating since 2002, and the previous production of COMI, have created an industrial facility capable of providing plants in the international thermoforming scenery distinguished for the **sturdy structure** and for **running high performances at low energy consumption**. AMUT COMI thermoforming machines boast a proven strength and durability also under heavy conditions of cutting tougher materials such as PET and PP at high cycles rate.

The great passion for the challenges and the ongoing efforts and success of the R&D Department make AMUT COMI the ideal partner for thermoformed plastics items manufacturers.

AMUT COMI designs and manufactures **special solutions dedicated to specific products**, working on endless improvements of its machines to always meet the needs of the market.

The technological know-how in extrusion enables AMUT COMI to supply **complete in-line plants and "turnkey projects" including auxiliary equipment** (rimming machines for PP or HIPS, pre-heaters for PP foil; multi-axis stackers; stacking manipulators, automatic units to convey the formed products to the subsequent operations, end line automated systems).

Innovative design criteria are the strength of AMUT COMI: to give an example, F series is distinguished for its modular structure, which allows to add one or more stations in a second time, satisfying the productive requirements of the customers.

F and V series include a pressure or vacuum forming and steel rule die cutting, technology suitable for the production of trays, plates, lids, containers, plant pots, using any thermoplastic material. The number of station can be chosen, from 3 up to 4 or more: forming, punching, steel rule die cutting, assembling/labelling and stacking unit.

AMP, FTV and PA1000 series are suitable for processing materials with barrier layers and general purpose thermoplastic (PP, GPPS, HIPS, PET, PLA, PVC), with simultaneously forming and punching technology, divided into tilting or vertically movable design.

GLE series includes forming and punching in two stations, suitable for manufacturing of HIPS disposable products, such as cups, vending items.

AMUT COMI counts in its range also special machines for peculiar requests: FTLT series is able to produce thermoformed panels for cooling towers (PVC or PP) and FFG-E e VK-C series PS foam packaging.

AMUT COMI has presented two of its new cutting edge machines during K show, meeting with success the consent of the customers: thermoforming machine model FFG-820-ADV and AMP 850 S-GP.

Model FFG-ADV-820:

Equipped with dual technology, separate forming and steel rule die cutting and in-mould forming and steel rule die cutting, and achieve extreme versatility and flexibility.

Main Features:

Max mold size: 880 x 620 mm

Thermoforming depth positive/negative: 140mm (up to 210mm version pos/neg)

Foil width, max: 920 mm

Forming press: 60 tons (up to 80 tons)

Cutting press: 60 tons (up to 80 tons)

Production cycles: over 61/min

Dry cycles: 83

- Handling system with knee pads and satellite roller screw.
- 4-columns forming press, 4-columns cutting press.
- Upper and/or lower cupping with servomotor.
- Sheet index, with double toothed chains and wear-resistant slide plates.
- Chains adjustment on three points.
- Forming with compressed air and / or vacuum.
- Quick clamp system of forming and punching mold, cutting and stacking tools.
- Connections consumers direct -print port on the plans.
- Heating plate frames.
- Infrared heating with control in percentage. (Various configurations of control and management of the thermoforming oven on request).
- Stacker bulkheads.
- Evacuation molded ergonomic height via elevator.
- Transport system chains into the shot.
- PLC supervision of the work parameters.

Model AMP 850 S-GP:

Equipped Engineered for PP disposable cups and "AQUA CUP" .

The total production is more than 95.000 pc/h. as average, in case of 55 cavities mold the output goes to 116.000pc/h.

Main Features:

Mould size max: 850 x 560 mm

Forming depth, positive/negative: 15 / 150 mm

Max foil length: 900 mm

Pitch max.: 500 mm

Closing force: 70 ton

Production cycles: over 35/min

Dry cycles: 45

Number of mould cavities: 45 or 55

- Pick up stacker for conical and squared cups, even for low weight cups;
- forming and cutting simultaneously, with tilting movable lower platen;
- forming by compressed air;
- sheet feeding system, with double toothed chains and wear-resistant slide plates;
- chains adjustment on two positions, with independent electric drive;
- upper and lower forming oven, with lengthwise control of rows of heaters (customized zoning layout on request);
- Special oven for PP;
- final cut regulation with electric drive;
- start-up no-cut operation;
- PLC supervisor to set up working parameters;
- automatic stacker with cups counting system;
- in line automatic packing machine, in-line with stacker;
- machine configuration including line to pack into sleeves;
- in-line grinder for skeleton, placed after the thermoforming machine.

Model VPK-C84

Forming and steel rule die cutting machine

Main Features:

Mould size max: 840 x 650 mm

Forming depth, positive/negative: 130 mm

Max foil length: 890 mm

Forming press: 25 ton

Cutting press: 60 ton

Production cycles: 45/min

Dry cycles: 45

- Handling system by servomotors.
- 4-columns forming and cutting press.
- Upper and/or lower plug with servomotor.
- Forming with compressed air and/or vacuum.
- Quick clamp system for forming and punching mold, cutting and stacking tools.
- Steel-rule dies heating plate.
- Upper oven partial heating (last pitch).
- Wall stacker(other versions available).