



Lakatos
TERMOFORMADORAS

AUTOMATIC ROLL-FED
THERMOFORMING MACHINES



BENEFITS



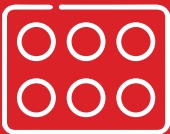
Why is TC better?

- Robust for a 24h work.
- Fast Cycle rate! Up to 63 cycles/min (Depending on the mold geometry, material and thickness).



QUALITY OF FINISHED PRODUCT

- Great forming quality.
- Best product thickness distribution. Product cut always centralized.
- Ideal for PP (with optional items).



MOLD ADVANTAGES

- Fast mold setup/ change.
- Robust molds for continuous works.
- Cutting accuracy.

TECHNICAL FEATURES / MACHINE MODEL	TC 1	TC 2	TC 2R	TC 3
Types of plastic	PS, PET, PVC and PP (with optional items)			
Plastic thickness (mm)	0,1 to 1,3			
Productivity (cycles/ min)	13 to 35 (PP) / 27 to 63 (PET and PS)			
Maximum of molding area (mm)	490 x 360	700 x 500	700 x 530	830 x 670
Maximum of negative molding (mm)	85 (standard) or 135 (optional)			
Maximum of positive molding (mm)	85 (standard) or 135 (optional)			
Press closing force (Ton)	23	40	60	60
Electrical consumption (kW) PET/ PS	8 to 14	14 to 23		20 to 30
Electrical consumption (kW) PP	18 to 25	35 to 45		45 to 58

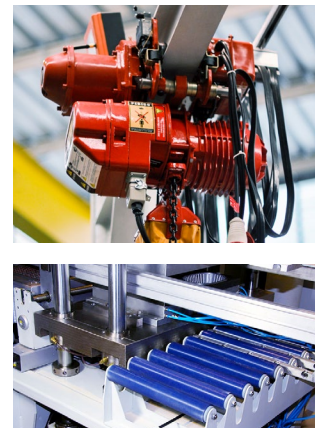
TC

Thermoformers for trays, lids, plates and food packagings.



TECHNICAL FEATURES >

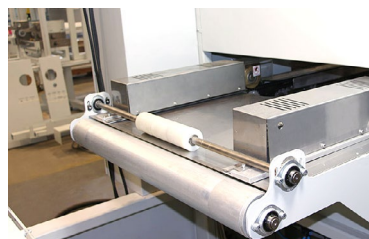
TC is a series of continuous and automatic machines, ideal for the production of thermoformed parts from rolls. Its molding and final cutting are done on a single station: after molded and cut, the pieces are automatically stacked and counted. TC is modularly assembled (unwinder, transport system, oven, press, stacker and output conveyor) and its modules can be individually customized, to meet every client's needs. TC works with PS, PP, PET, PVC rolls, among others.



UNWINDER

AVOIDS TIME LOSS

- 1st Option: "Jumbo" roll.
- 2nd Option - Holding structure for 2 rolls.
- 3rd Option - Rolls lifter.



EDGES HEATER

(optional)

Lakatos 4.0

Connectivity, integration and remote maintenance for your shop floor.

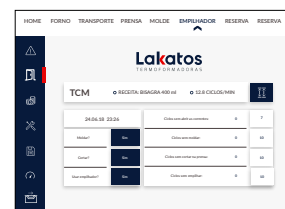
ROLL PREHEATER (optional)

In accordance with
safety standards

OVEN (S)

ENERGY SAVING

- Heating distribution in zones through ceramic elements.
- Individual temperature control for each zone (PID auto tuning).



HMI PANEL

MOLD

QUICK MOLD CHANGE

- With electrical mold lifter device and roller tables to reduce setup time.



CUTTING HEIGHT ADJUSTMENT

SERVOPRESS

MOLDING + CUTTING

- Pressure e Vacuum Forming.
- Accurate and centralized cut.
- Servo Plug system (optional).
- 23, 40 or 60 force.
- Cutting force sensor (optional).

CONVEYOR

TRANSPORTER OF FINAL PRODUCT

- Discharge in conveyor belt.
- Centralized automatic lubrication.



AUTOMATION

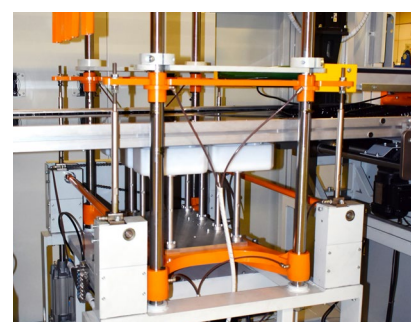
SERVOMOTOR

- High performance servomotor in motion control.

CHAIN SYSTEM

ACCURATE STEP

- Powerful servomotor for fast, accurate indexing.
- Manual or automatic auto self-centring width control at various points.



SERVOSTACKER OR ROBOT UNIT (optional)

DETACHES, COUNTS AND SEPARATES PARTS IN CONVEYOR BELT

- Servomotor stacker in two levels.
- Stacking upper movement for male pieces.



WINDER

- Has a winder for the scraps to be recycled.
- In-line crusher (optional).

