

EXPERIENCE OVER 30 YEARS



2025
2026

THERMOFORMING
MACHINES,
DRY OFF-SET PRINTING MACHINE
and EXTRUSION LINES

www.ariamak.com.tr

ARIAMAK

THERMOFORMING & EXTRUSION

ARIA DIŐ TİCARET ANONİM ŐIRKETİ

We design. We manufacture. We sell.

info@ariamak.com.tr

Who We Are?

ARIAMAK
THERMOFORMING & EXTRUSION

In late 1970's, our manufacturing story started with thermoforming mould producer with the name of "ARIAMAK KALIP" for European thermoforming machines. In the following years, we decided to expand our manufacturing market as being a manufacturer of thermoforming machines as well, thus our first thermoforming company "ÇAĞ MAKİNA" was established in 1995 year, which still produces small capacity and multi-stations thermoforming machines.

Due to the experience in time we adopted with thermoforming selling, our reputation raised up in market and we became the one of leading company in industry. Our last company "ARIAMAK" was established being a manufacturer of tilting model

thermoforming machines and has been proudly manufacturing the fastest thermoforming machines since 2009 and single/multi layers extrusion machines and dry-offset printing machine since 2015.

From first established day to today, our main aim is to be good partner with our clients and make them satisfied with our best. We continuously produce our equipment with the latest technology and diversify our models according to marketing demand.

Besides, our advantage is, "We design our own equipment, We manufacture what we design, We sell what we manufacture". Also, we are the only company in Turkey which may cooperate the clients with the TURN-KEY projects. In order to share you our experience and introduce you what we produce, we invite you to visit us.



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Single and Multi Layer Extruder

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ARIAMAK has been manufacturing single and multi-layers extrusion lines, and has positioned itself as only supplier in Turkey which may provide own thermoforming machine and extrusion line together. Our extruders are unique and proven concept providing an optimized energy efficiency combined with the versatility to run a wide variety of materials, from commodity polymers (such as PP, PS, PET, PE) to biodegradable (e.g. PLA, PBAT). Besides our extruders provide 100% regrind (both Post-Consumer Recycled and Post Industrial Recycled material) or compounded material with a high concentration of mineral filler like CaCo3 (Calcium carbonate) or talcum (also called talc).



- Mono & Multi Layers Extrusion Unit
- Calender
- Flat die / Melt Pump / Feedblock
- Take-off unit
- Thickness controller
- Lamination / coating unit
- Accumulator
- Winding unit
- Filling and dosing unit
- Dryer and mixing unit

MACHINE MAIN SPECIFICATION

Screw Diameter: 70 mm to 140 mm

Max. Sheet Width: 1200 mm

Min. Sheet Width: 500 mm

Max. Sheet Thickness: 250 - 2000 μ m (0.25 - 2.0mm)

(Above thickness values are given according to average of extruder line, and final product thickness may be varied (+ and -) with material specification itself.)

Line Speed: 50/min

Applicable Materials: PP-PS-PET-PE-PLA-PBAT

Power Consumption in Operation: 200 - 250 kW

Required Chiller Capacity: 180.000 kcal/hr

Servo and Electronic Parts: ABB - SIEMENS - B&R

F75

Thermoforming Machine

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F75 thermoforming machine is designed according to the maximum needs of the customer, incorporating the latest technological developments. In addition to its high-speed operation, it is an ideal design for products with a high weight. Together with the high speed integrated robot stacker, it provides standard productivity in all products. The model is completely assembled with equipment of European origin. Model warrants perfect forming with special mechanical design and easy interface for long-life operating performance. Its mould is equipped to perform well with polymer plastics as well as biodegradable plastics.



MACHINE MAIN SPECIFICATION

Max. Forming Area: 745 x 510 mm
Max. Cutting Dimension: 725 x 480 mm
Max. Sheet Width: 750 mm
Max. Sheet Thickness: 0.2 mm / 2 mm
Max. Product Height: 150 mm +/- 20 mm
Applicable Materials: PP-PS-PET-PLA
Idle Speed: 45/min
Total Installed Power: 280 kW
Power Consumption in Operation: 65-75 kW
Processing Air Pressure: 8 bar
Compressor Power: 7m³/min
Required Chiller Capacity: 60.000 kcal/hr
Clamping Force: 500 kN
Machine Dimension: L 1260 x W 350 x
H 330 cm
Machine Weight: 12.500 kg

OTHER TECHNICAL SPECIFICATION

- Synchronized forming and cutting by tilting movable lower platen to 80 degrees
- Sheet pitched by double toothed chains and move on abrasion resistant slide plates
- Lengthened pan design allows reaching optimum forming heat without using pre-heater
- Upper and lower mould; heats control by individual thermoregulation device machine
- Fine adjustment for mould by electric drive
- Traversing and tilting moving system of mould
- PLC for control the line operation and supervise working parameters
- Opportunity to set one or more forming cycles without cutting by pneumatic drive
- High production capacity with resistant to high speed strong and vibration free main
- Double inlet- outlet system for fast cooling by increasing water discharge
- Energy analyzer which gives amount of the electric consumption
- Cutting adjustment possible by digital meter, controlled by PLC
- Plug assist motor and plug speeds all controlling by PLC suitable to put variations of movement to plugs to plugs, start slow go fast end slow etc.

MACHINE COMPONENTS

Servo Motor and Drive	B&R
Control Panel	B&R
SSR	GEFRAN
Gear Box	STOBER, WATTDRIIVE, NEUGART
Lubrication Unit	GRACO
Bearing	FAG, INA, SKF
Vacuum Pump	DVP
Heater	CERAMIX
Electrical Parts	SCHENEIDER, OMRON, ABB
Pneumatic Group	NOGREN, SMC, FESTO

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CMK 80-50

2 Station Thermoforming Machine

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CMK 80-50 is eligible to form round and rectangular shape lids, plates, trays and containers with single or multi compartments. Standard max. product depth is 60mm but for round products +10mm extra depth is been possible. Machine has in-mould cutting & forming at same unit, and stacking unit where the products are stacked upward. Model warrants perfect forming with adequate mechanical design and easy interface for long-life operating performance. Its mould is equipped to perform well with polymer plastics as well as biodegradable plastics.



MACHINE MAIN SPECIFICATION

Max. Mould Area: 800 x550 mm
Max. Forming Area: 750 x 500 mm
Max Product Height: 60 mm (+10 mm optional)
Machine Dry Cycle: 40/min
Max. Sheet Width: 800 mm
Max. Sheet Thickness: 0.25 mm / 0.70 mm
Processing Air Pressure: 8 Bar
Required Chiller Capacity: 30.000 kcal/hr
Required Compressor Power: 3m³/min
Total Power Consumption: 40-45 kW
Applicable Materials: PP-PS-PET-PVC-PLA

OTHER TECHNICAL SPECIFICATION

- Fully control system by 10" colour PLC touch panel
- Possible to store different mould settings
- 98 m³ vacuum pump
- Available setting for stacking and counting
- Hoist unit which can carry 1 ton weight
- Separate electricity panel and cooling with AC
- Automatic lubrication unit
- Pneumatic sheet lifting system
- Movable upper parts in mould
- Electrostatic oven
- Baked painted protective cover



MACHINE COMPONENTS

AC motor and Gear Box	YILMAZ
Pneumatic Group	SMC
Servo System	MITSUBISHI
Lubrication Unit	LUBRIMAC
Electrical Parts	SCHNEIDER & MITSUBISHI
Control Panel	MITSUBISHI

CMK 85-55-S3

3 Station Thermoforming Machine

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CMK 85/55-S3 Station Thermoforming Machine is eligible to form round and rectangular shape lids, plates and trays, single or multi compartment containers, hinged lid containers, leaking-proof containers, egg viovole, etc. Machine adopts the latest thermoforming technology itself and intelligent control. This model combines maximum speed and bulk production, high quality and efficiency, and low consumption in energy. Its mould is equipped to perform well with polymer plastics as well as biodegradable plastics.

MACHINE MAIN SPECIFICATION

Max. Sheet Width: 930 mm

Max. Sheet Thickness: 0.2 mm /1.6 mm

Max. Product Height: 150mm +/-150 mm

Applicable Materials: PP-PS-PET-PVC-
OPET-PLA

Idle Speed: 80 cycles/min

Total Installed Power: 170 kW

Power Consumption in Operation: 50-55 kW

Processing Air Pressure: 8 bar

Compressor Power: 7m³/min

Required Chiller Capacity: 50.000 kcal/hr

Vacuum Pump Capacity: 205 m³

Machine Dimension: L 1200 x W 260 x H 280 cm

Machine Weight: 11.000 kg



OTHER TECHNICAL SPECIFICATION

- All units are fully automatic
- Movable touch control panel
- Screen size 15" and colour
- Electricity panel assembled to the machine and cooling by AC
- Ethernet portal
- Possible to store different mould settings
- Convenient and fast mould change and pneumatic fixing
- Pneumatic control systems with servo motors
- Automatic lubrication of moveable parts which is activated as per the specified time space
- Safety sensors for mould assemble
- An innovative smart system which allows the operator an easy-to-use interactive interface
- Pneumatic system for sheet roll lifting up (ø 1200 mm)
- Sheet sensor
- Protection sensors
- Automatic valve for water in/out



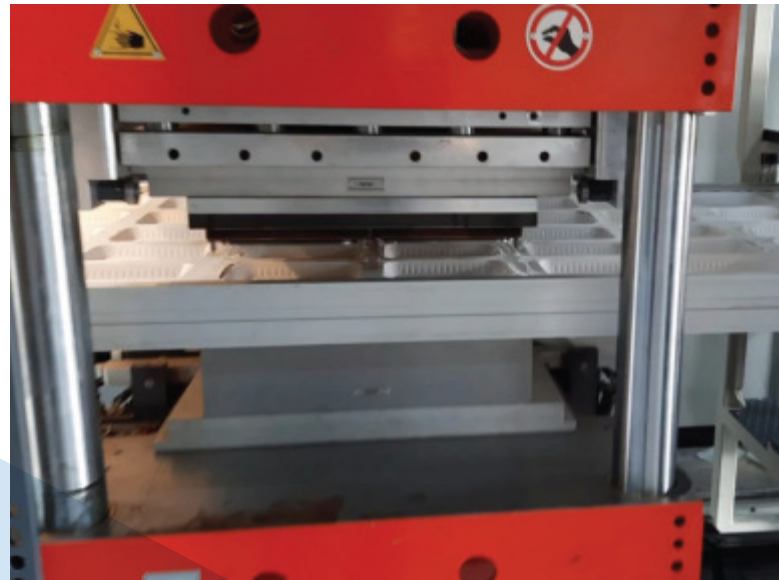
MACHINE COMPONENTS

AC motor and Gear Box	YILMAZ
Pneumatic Group	SMC
Servo System	SEW
Lubrication Unit	LUBRIMAC
Bearing	INA, FAG
Chain	IWIS
Resistance	CERAMIX
Electrical Parts	SCHNEIDER & MITSUBISHI
Control Panel	BEIJER

CMK85-55 S3 STATION	FORMING	CUTTING	STACKING
Max. Tool Area	890 x 570 mm	890 x 570 mm	890 x 570 mm
Max. Process Area	850 x 550 mm	850 x 550 mm	850 x 550 mm
Max. Height + and -	(+,-) 150mm	(+,-) 150mm	(+,-) 150mm
Upper Group Servo Motor	5.5 kW	5.5 kW	3 kW
Lower Group Servo Motor	5.5 kW	5.5 kW	
Reference Servo Motor X-Y	0.75 kW	0.75 kW	0.75 kW
Total Motor Power	24.2 kW	17 kW	4.1 kW

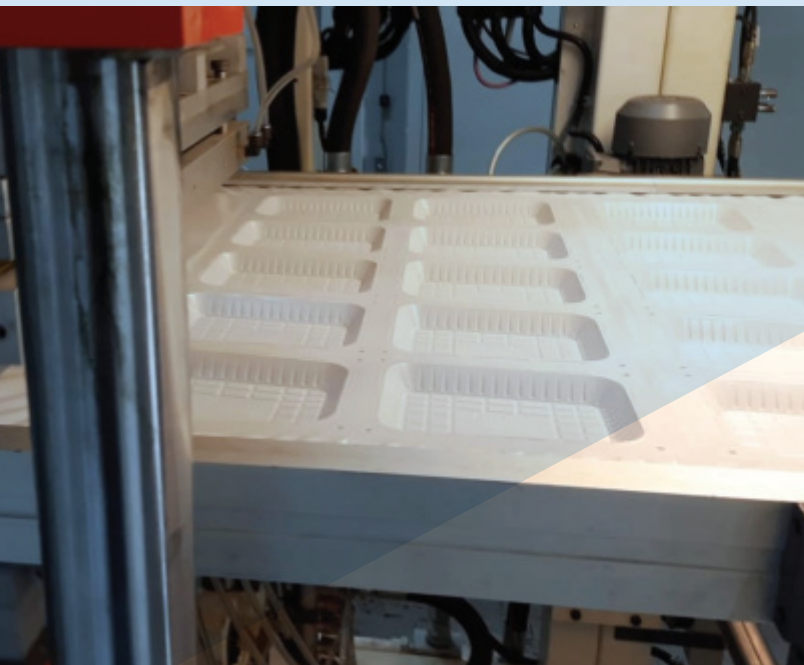
FORMING STATION

- 4-column, servo-controlled station groups
- Needle bearing toggle system
- Cooling water flow control system
- Max stroke upper/lower 150 mm
- Lubrication system for each bearing
- Easy mould clamping (with Locking System)
- Support piston upper and lower group
- Upper group spacing system (Positioning block parallelism)
- Ability to work with frame or press in upper and lower press
- Servo controlled seal system
- Compression force 60 tons



CUTTING STATION

- 4 Column cutting station
- 80mm diameter resistant shafts in each column
- Lower and upper independent servo motor station groups
- Cutting right - left and forward - reverse motorized adjustment system
- Max 180°C cutting blade temperature and insulation plate.
- Fast blade clamping system
- Cutting group stroke lower/upper 150 mm
- Needle bearing system
- Piston upper group clearance system
- Compression force 60 tons



STACKING STATION

- Servo motorized stacking plate
- Counting and stacking system that can be controlled from the screen
- Conveyor belt to transport stacked products

CMK 85-55-S4

4 Station Thermoforming Machine

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THERMOFORMING & EXTRUSION

CMK 85/55-S4 Station Thermoforming Machine is eligible to form round and rectangular shape lids, plates and trays, single or multi compartment containers, hinged lid containers, leaking-proof containers, hole-punch containers, egg vial, flower pots and seeding trays. Machine adopts the latest thermoforming technology itself and intelligent control. This model combines maximum speed and bulk production, high quality and efficiency, and low consumption in energy. Its mould is equipped to perform well with polymer plastics as well as biodegradable plastics.



MACHINE MAIN SPECIFICATION

Max. Sheet Width: 930 mm

Max. Sheet Thickness: 0.2 mm / 1.6 mm

Max. Product Height: 150mm +/- 150

Applicable Materials: PP-PS-PET-PVC-
OPET-PLA

Idle Speed: 80 cycles/min

Total Installed Power: 190 kW

Power Consumption in Operation: 60-65 kW

Processing Air Pressure: 8 bar

Compressor Power: 7m³/min

Required Chiller Capacity: 50.000 kcal/hr

Vacuum Pump Capacity: 205 m³

Machine Dimension: L 1300 x W 260 x H 280 cm

Machine Weight: 12.000 kg

OTHER TECHNICAL SPECIFICATION

- All units are fully automatic
- Movable touch control panel
- Screen size 15" and colour
- Electricity panel assembled to the machine and cooling by AC
- Ethernet portal
- Possible to store different mould settings
- Convenient and fast mould change and pneumatic fixing
- Pneumatic control systems with servo motors
- Automatic lubrication of moveable parts which is activated as per the specified time space
- Safety sensors for mould assemble
- An innovative smart system which allows the operator an easy-to-use interactive interface
- Pneumatic system for sheet roll lifting up (ø 1200 mm)
- Sheet sensor
- Protection sensors
- Automatic valve for water in/out

MACHINE COMPONENTS

AC motor and Gear Box	YILMAZ
Pneumatic Group	SMC
Servo System	SEW
Lubrication Unit	LUBRIMAC
Bearing	INA, FAG
Chain	IWIS
Resistance	CERAMIX
Electrical Parts	SCHNEIDER & MITSUBISHI
Control Panel	BEIJER

CMK85-55 S4 STATION	FORMING	PUNCHING	CUTTING	STACKING
Max. Tool Area	890 x 570 mm	890 x 570 mm	890 x 570 mm	890 x 570 mm
Max. Process Area	850 x 550 mm	850 x 550 mm	850 x 550 mm	850 x 550 mm
Max. Height + and -	(+,-) 150mm	(+,-) 150mm	(+,-) 150mm	(+,-) 150mm
Upper Group Servo Motor	5.5 kW	5.5 kW	5.5 kW	3 kW
Lower Group Servo Motor	5.5 kW	5.5 kW	5.5 kW	
Reference Servo Motor X-Y	0.75 kW	0.75 kW	0.75 kW	0.75 kW
Total Motor Power	24.2 kW	18.1 kW	17 kW	4.1 kW

FORMING STATION

- 4-column, servo-controlled station groups
- Needle bearing toggle system
- Cooling water flow control system
- Max stroke upper/lower 150 mm
- Lubrication system for each bearing
- Easy mold clamping (with Locking System)
- Support piston upper and lower group
- Upper group spacing system (Positioning block parallelism)
- Ability to work with frame or press in upper and lower press
- Servo controlled seal system
- Compression force 60 tons

STACKING STATION

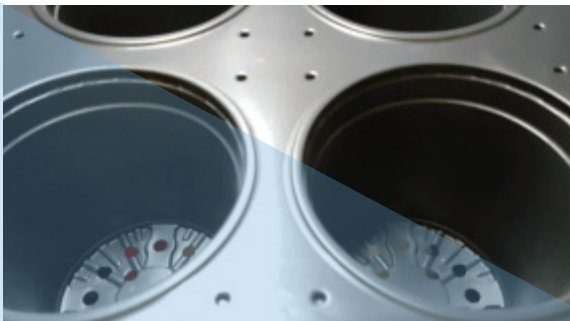
- Servo motorized stacking plate
- Counting and stacking system that can be controlled from the screen
- Conveyor belt to transport stacked products

PUNCHING STATION

- 4 column punching station
- Upper and lower servo motor controlled blocks
- 60 tons of punching force
- Vacuum and blowing system
- Needle bearing system
- Each column shaft is 80 mm diameter resistant
- Piston upper group clearance system
- Punching lower/upper stroke 150 mm

CUTTING STATION

- 4 Column cutting station
- 80mm diameter resistant shafts in each column
- Lower and upper independent servo motor station group
- Cutting right - left and forward - reverse motorized adjustment system
- Max 180 °C cutting blade temperature and insulation plate.
- Fast blade clamping system
- Cutting group stroke lower/upper 150 mm
- Needle bearing scissor system
- Piston upper group clearance system
- Compression force 60 tons

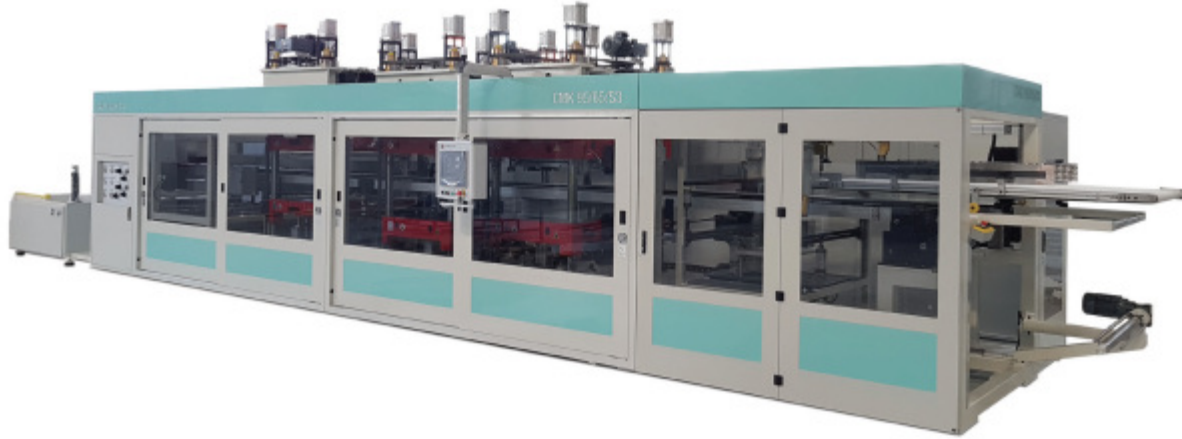


CMK 95-65-S3

3 Station Thermoforming Machine

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THERMOFORMING & EXTRUSION

CMK 95/65-S3 Station Thermoforming Machine is eligible to form round and rectangular shape lids, plates and trays, single or multi compartment containers, hinged lid containers, leaking-proof containers, egg viyole, etc. Machine has the bigger forming area than 85 series station machine, and it is better if high capacity is targeted. Machine adopts the latest thermoforming technology itself and intelligent control. This model combines maximum speed and bulk production, high quality and efficiency, and low consumption in energy. Its mould is equipped to perform well with polymer plastics as well as biodegradable plastics.



MACHINE MAIN SPECIFICATION

Max. Sheet Width: 1030 mm

Max. Sheet Thickness: 0.2 mm / 1.8 mm

Max. Product Height: 150mm +/- 150 mm

Applicable Materials: PP-PS-PET-PVC-
OPET-PLA

Idle Speed: 80 cycles/min

Total Installed Power: 220 kW

Power Consumption in Operation: 70-80 kW

Processing Air Pressure: 8 bar

Compressor Power: 7m³/min

Required Chiller Capacity: 50.000 kcal/hr

Vacuum Pump Capacity: 205 m³

Machine Dimension: L 1500 x W 300 x H 280 cm

Machine Weight: 12.800 kg

OTHER TECHNICAL SPECIFICATION

- All units are fully automatic
- Movable touch control panel
- Screen size 15" and colour
- Electricity panel assembled to the machine and cooling by AC
- Ethernet portal
- Possible to store different mould settings
- Convenient and fast mould change and pneumatic fixing
- Pneumatic control systems with servo motors
- Automatic lubrication of moveable parts which is activated as per the specified time space
- Safety sensors for mould assemble
- An innovative smart system which allows the operator an easy-to-use interactive interface
- Pneumatic system for sheet roll lifting up (ø 1200 mm)
- Sheet sensor
- Protection sensors
- Automatic valve for water in/out

MACHINE COMPONENTS

AC motor and Gear Box	YILMAZ
Pneumatic Group	SMC
Servo System	SEW
Lubrication Unit	LUBRIMAC
Bearing	INA, FAG
Chain	IWIS
Resistance	CERAMIX
Electrical Parts	SCHNEIDER & MITSUBISHI
Control Panel	BEIJER

CMK95-65 S3 STATION	FORMING	CUTTING	STACKING
Max. Tool Area	990 x 690 mm	990 x 690 mm	990 x 690 mm
Max. Process Area	950 x 650 mm	950 x 650 mm	950 x 650 mm
Max. Height + and -	(+,-) 150mm	(+,-) 150mm	(+,-) 150mm
Upper Group Servo Motor	5.5 kW	5.5 kW	3 kW
Lower Group Servo Motor	5.5 kW	5.5 kW	
Reference Servo Motor X-Y	0.75 kW	0.75 kW	0.75 kW
Total Motor Power	30 kW	17 kW	4.1 kW

FORMING STATION

- 4-column, servo-controlled station groups
- Needle bearing toggle system
- Cooling water flow control system
- Max stroke upper/lower 150 mm
- Lubrication system for each bearing
- Easy mould clamping (with Locking System)
- Support piston upper and lower group
- Upper group spacing system (Positioning block parallelism)
- Ability to work with frame or press in upper and lower press
- Servo controlled seal system
- Compression force 70 tons



CUTTING STATION

- 4 Column cutting station
- 80mm diameter resistant shafts in each column
- Lower and upper independent servo motor station groups
- Cutting right - left and forward - reverse motorized adjustment system
- Max 180 °C cutting blade temperature and insulation plate.
- Fast blade clamping system
- Cutting group stroke lower/upper 150 mm
- Needle bearing system
- Piston upper group clearance system
- Compression force 70 tons



STACKING STATION

- Servo motorized stacking plate
- Counting and stacking system that can be controlled from the screen
- Conveyor belt to transport stacked products

CMK 95-65-S4

4 Station Thermoforming Machine

CMK 95/65-S4 Station Thermoforming Machine is eligible to form round and rectangular shape lids, plates and trays, single or multi compartment containers, hinged lid containers, leaking-proof containers, egg viovole, flower pots and seeding trays. Machine has the bigger forming area than 85 series station machine, and it is better if high is targeted. Machine adopts the latest thermoforming technology itself and intelligent control. This model combines maximum speed and bulk production, high quality and efficiency, and low consumption in energy. Its mould is equipped to perform well with polymer plastics as well as biodegradable plastics.



MACHINE MAIN SPECIFICATION

Max. Sheet Width: 1030 mm
Max. Sheet Thickness: 0.2 mm / 1.8 mm
Max. Product Height: 150mm +/- 150 mm
Applicable Materials: PP-PS-PET-PVC-
OPET-PLA
Idle Speed: 80 cycles/min
Total Installed Power: 220 kW
Power Consumption in Operation: 70-80 kW
Processing Air Pressure: 8 bar
Compressor Power: 7m³/min
Required Chiller Capacity: 50.000 kcal/hr
Vacuum Pump Capacity: 205 m³
Machine Dimension: L 1500 x W 300 x
H 280 cm
Machine Weight: 12.800 kg

MACHINE COMPONENTS

AC motor and Gear Box	YILMAZ
Pneumatic Group	SMC
Servo System	SEW
Lubrication Unit	LUBRIMAC
Bearing	INA, FAG
Chain	IWIS
Resistance	CERAMIX
Electrical Parts	SCHNEIDER & MITSUBISHI
Control Panel	BEIJER

OTHER TECHNICAL SPECIFICATION

- All units are fully automatic
- Movable touch control panel
- Screen size 15" and colour
- Electricity panel assembled to the machine and cooling by AC
- Ethernet portal
- Possible to store different mould settings
- Convenient and fast mould change and pneumatic fixing
- Pneumatic control systems with servo motors
- Automatic lubrication of moveable parts which is activated as per the specified time space
- Safety sensors for mould assemble
- An innovative smart system which allows the operator an easy-to-use interactive interface
- Pneumatic system for sheet roll lifting up (ø 1200 mm)
- Sheet sensor
- Protection sensors
- Automatic valve for water in/out

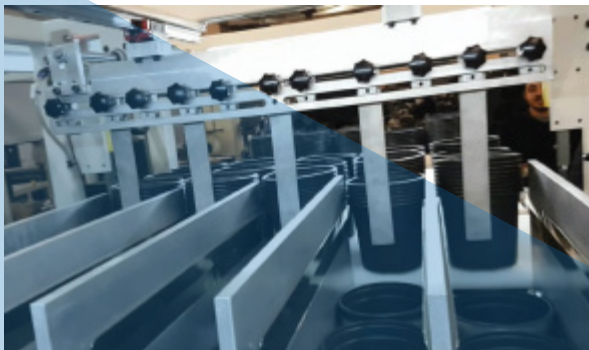
CMK95-65 S4 STATION	FORMING	PUNCHING	CUTTING	STACKING
Max. Tool Area	990 x 690 mm	990 x 690 mm	990 x 690 mm	990 x 690 mm
Max. Process Area	950 x 650 mm	950 x 650 mm	950 x 650 mm	950 x 650 mm
Max. Height + and -	(+,-) 150mm	(+,-) 150mm	(+,-) 150mm	(+,-) 150mm
Upper Group Servo Motor	5.5 kW	5.5 kW	5.5 kW	3 kW
Lower Group Servo Motor	5.5 kW	5.5 kW	5.5 kW	
Reference Servo Motor X-Y	0.75 kW	0.75 kW	0.75 kW	0.75 kW
Total Motor Power	30 kW	18.1 kW	17 kW	4.1 kW

FORMING STATION

- 4-column, servo-controlled station groups
- Needle bearing toggle system
- Cooling water flow control system
- Max stroke upper/lower 150 mm
- Lubrication system for each bearing
- Easy mold clamping (with Locking System)
- Support piston upper and lower group
- Upper group spacing system (Positioning block parallelism)
- Ability to work with frame or press in upper and lower press
- Servo controlled seal system
- Compression force 70 tons

STACKING STATION

- Servo motorized stacking plate
- Counting and stacking system that can be controlled from the screen
- Conveyor belt to transport stacked products



PUNCHING STATION

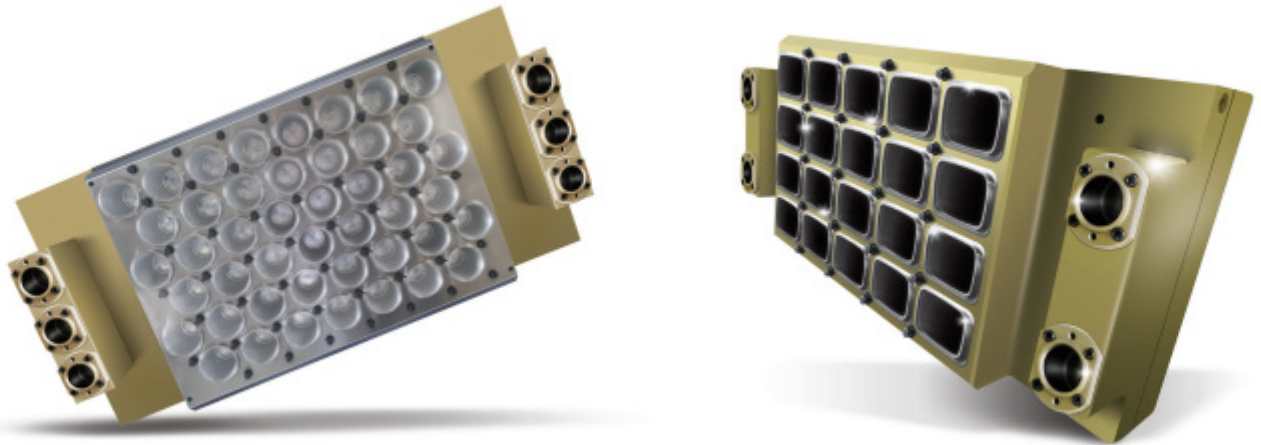
- 4 column punching station
- Upper and lower servo motor controlled blocks
- 70 tons of punching force
- Vacuum and blowing system
- Needle bearing system
- Each column shaft is 80 mm diameter resistant
- Piston upper group clearance system
- Punching lower/upper stroke 150 mm

CUTTING STATION

- 4 Column cutting station
- 80mm diameter resistant shafts in each column
- Lower and upper independent servo motor station group
- Cutting right - left and forward - reverse motorized adjustment system
- Max 180 °C cutting blade temperature and insulation plate.
- Fast blade clamping system
- Cutting group stroke lower/upper 150 mm
- Needle bearing scissor system
- Piston upper group clearance system
- Compression force 70 tons

Tilting and Station Type Thermoforming Moulds

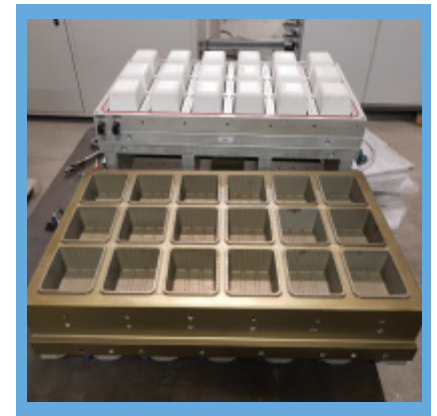
ARIAMAK has been perfectly designing and manufacturing its own tilting and station thermoforming moulds as well as it has been a good partner which may provide the adaptable moulds for other brands in industry. From R&D to processing range, the required pre-works for the moulds are made by our expert team and manufactured through technological CNC machines and tools. Plus, the engineering priority is to manufacture efficiency performance, long-life operating and less labour.



Thermoforming Machine and Moulds

MOULD SPECIFICATION

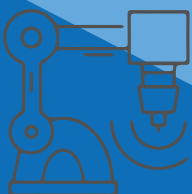
- Aluminum Parts: Alumold and Alumecc (Germany)
- Steel Parts: Böhler (Austria) and Steeltech (Germany)
- Mould Insert and Ejector (Aluminum / 7075)
- Mould Nuts (12/9 Würth)
- HYTAC Plug for PP - PS
- Polyemid Plug for PET



Technological Mechanic Process

Expert Engineering

Delivery in Time



AR 400/450

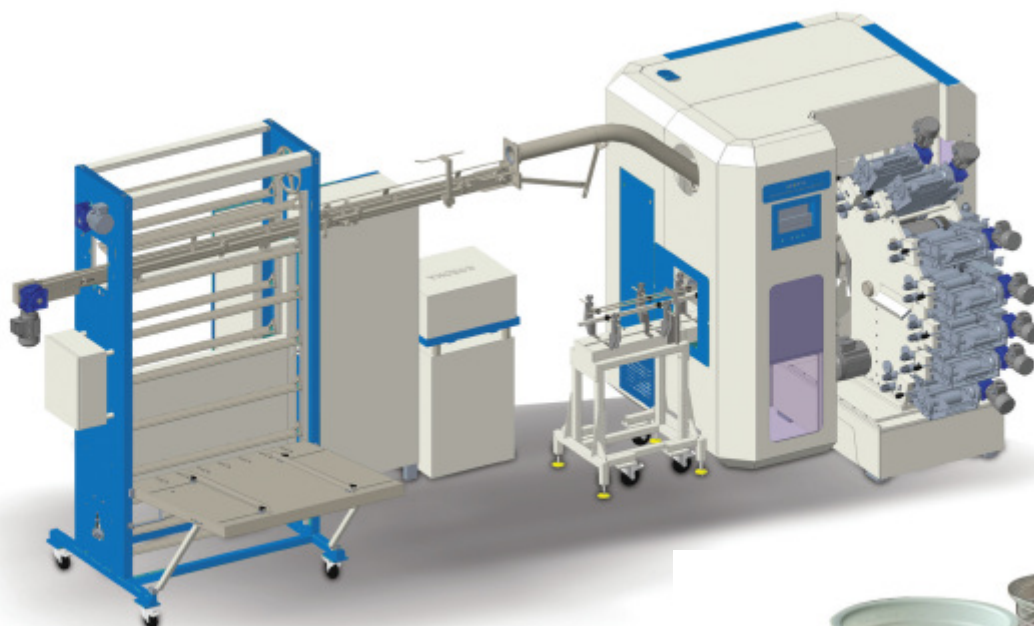
Dry Offset Printing Machine

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ARIAMAK AR 400/450 dry-offset/printing machine has been designed for disposable plastic cups. The machine has a speed of range maximum 400-450 cups per minute and be equipped up to 7 and 8 colors heads and has the capability to print on round cups from 50mm to 165mm. It's equipped with the highest European brands and warrants maximum output in printed cups, low cost and easy operation.



- ❑ MACHINE GENERAL SPECIFICATION
- ❑ INFEED SYSTEM
- ❑ PRINTING UNIT
- ❑ COLOR HEADS
- ❑ RE-STACKER AND COUNTER
- ❑ OPTIONALS



MACHINE GENERAL TECHNICAL SPECIFICATION

- ▶ Up to 7 and 8 colors
- ▶ Production speed up to 400-450 cups per minute
- ▶ Width range of products (Rim Dia: 50 - 165 mm)
- ▶ Easy access to product handling areas and print area
- ▶ Electrical control panel with the latest generation display and PLC
- ▶ No Cup, No Print
- ▶ Adjustable feeder without tube use.
- ▶ Corona pre-treatment with electronic generator provided with "Hole Detector Device"
- ▶ Quick change mandrel and Mandrel rotation control
- ▶ Easy to operate
- ▶ Curing on Mandrel and UV-lamp system with stand-by mode
- ▶ Laser sensor for exact counting before re-stacker
- ▶ Hold-on which ensures the product stays on the mandrel during printing

DESCRIPTION	MACHINE SPECIFICATION
Max. Production Speed	400/450 cpm (depends on shape and product dimension)
Max. Printing Length	414 mm (with 4 printing blankets) 535 mm (with 2 printing blankets)
Max. Printing Width	150 mm
Max. Product Diameter	165 mm
Min. Product Diameter	50 mm
Max. Product Height	180 mm
Taper	2° - 15°
Printing Blankets On Central Rollers	4 (2)
Mandrel Quantity	8
Pressure required for pneumatic system	6/8 bars
Power Consumption (Machine only)	21 KW (UV is included)
UV drying power	8 KW
Max. Air Consumption	650 NI/min.
Weight	5500 kg approx.

INFEEED SYSTEM

- ▶ The feeding consists of a system made of 4 helical screws which are entrance position at 45° that synchronize the arrival of the containers on the mandrels.
- ▶ The machine is provided with quick adjustment systems for the positioning of feeding scrolls, discharge belts and guides.
- ▶ Adjustments for cup diameter and one central adjustment handle to move the screws and hopper rods in and out during product size changes.
- ▶ Adjustable feeder without tube use.

PRINTING UNIT

- ▶ Disc type mandrel drive system, driving all 8 mandrels in all stations. Mandrel speed synchronized with machine speed ensuring matching speed between cup and blanket.
- ▶ The mandrels are checked continuously for full rotation, ensuring all around pretreatment and curing.
- ▶ 4-blanket offset cylinder, separate drive motor enables easy electronic change-over to 2 blanket mode for longer print lengths. There is also a platform for easy access to all color heads.
- ▶ No Cup, No Print.
- ▶ It consists of a single (UV) lamp high power system. The lamp is air-cooled (the air is blown, not sucked). It is also provided with shutter and with half-power device that is activated when the machine stops. The machinery is provided with an ozone suction system.
- ▶ The machine has two discharge stations: one for good containers and the other for the cups to be rejected.
- ▶ The Index unit is driven by a separate drive motor which is synchronized with the offset cylinder drive motor. The machine is standard supplied with a 120 degrees indexer.
- ▶ A mechanism, cam driven hold-on, which ensures the product stays on the mandrel during printing
- ▶ Central lubrication system operated by manual pump.
- ▶ Menu-based touch screen operator panel with the use of symbols, displays all machine functions, controls, status.
- ▶ Motorized movement of the print unit diameter adjustment for easy, fast changeovers.
- ▶ The index unit and UV system are enclosed providing UV light shielding and operator safety. Large interlocked, hinged doors for excellent accessibility. The machine complies to CE.
- ▶ Manuals with descriptions and explanations about operation and maintenance of the equipment in the English language will be provided. This manual also contains detailed drawings with part numbers, a recommended spare parts list, complete electrical schematics and a pneumatic diagram. The machine manuals are supplied on USB-stick, delivered in 2 copies. Paper book manuals or other languages can be ordered for an additional price.
- ▶ PLC, Touch Panel and Drivers are made by B&R.

COLOR HEADS

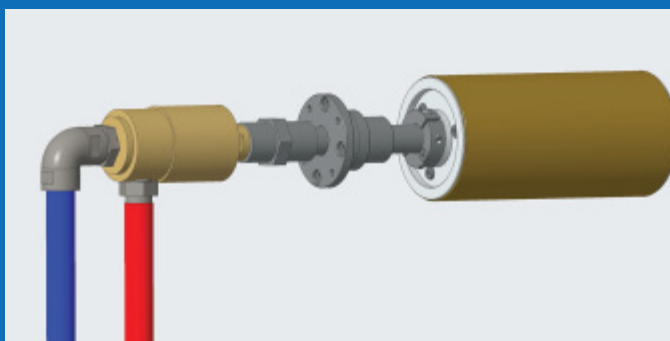
- ▶ High printing quality with two form rollers on each color head
- ▶ Easy Set Ink Fountain with knife.
- ▶ An electronic-pneumatic system is fitted on each inking group; this allows easy control of the collection of the ink from the ink-fountain to the oscillating roller, with a metering system adjustable from 0 to 100%.
- ▶ 1 metal driven oscillating roller (synchronized external mechanical drive).
- ▶ One printing plate roller, which can be slid out to allow a quick fixing of plates through locking pins.
- ▶ Ink agitator: To be sure ink consistency

RESTACKER AND COUNTER

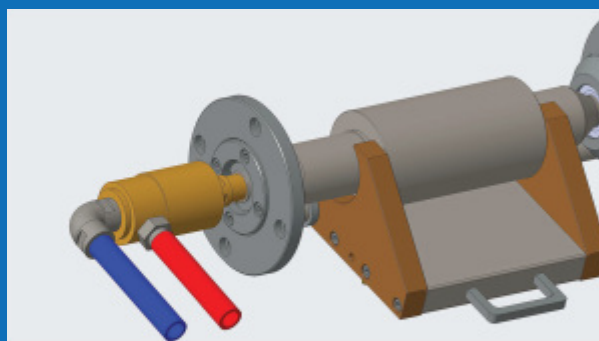
- ▶ The product is blown from the mandrel in the 9 o'clock mandrel position, into the teeth of two rotating belts
- ▶ The belts transport the cup forward to the belt of the re-stacker
- ▶ The cup rims are counted as they pass by a laser sensor. When the correct number of cups have passed the laser sensor, the stack is pushed forward to unstack conveyor.

OPTIONALS

- ▶ Quick change mandrel ring assembly
- ▶ Antistatic system
- ▶ Double Cup - Index Mechanism / In case of double cup, the index system stops immediately in order to prevent blanket damage
- ▶ Cooling on oscillating roller
- ▶ Cooling on ink feeder roller

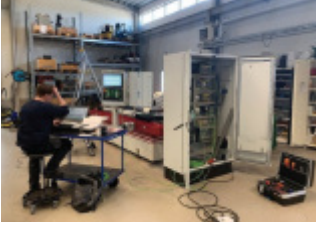


Cooling on oscillating roller



Cooling on ink feeder roller

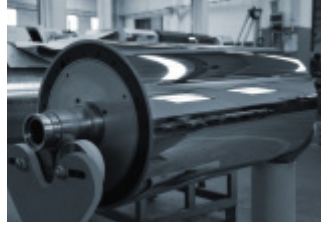
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