

CMX HYBRID
SERIES

CMX STANDARD
SERIES

SUSTAINABLE
DURABLE
STRONG
FAST



Optimum performance
in Thermoforming Technology

cemaks.com



CEMAKS®

**HYBRID
THERMOFORM**

FUTURE OF THERMOFORMING

CEMAKS — get to know closely



25 YEARS of Experience.

Cemaks Inc. has been manufacturing thermoforming machines since long years established with a strong R&D investment and market leading team with over 25 years of experience in the thermoforming sector.

Cemaks have machines installed and running mainly in Europe, USA, Asia and Turkey with giving first quality service on 7/24 availability and being on site whenever needed. With high technology and genuine design CEMAKS has been building machines for the world market. The philosophy and main priority of Cemaks is to serve our customers on time and without compromising quality by using the right components, materials and production methods.

We will continue to provide the perfect solutions and will always aim the better for our customers.

■ OUR MISSION is to Improve. To be a Pioneer.

Our mission is being the market leader in the thermoforming sector by developing the company continuously and consistently with initiating technological innovations. We prioritize satisfying customer expectations with supplying the highest quality of machines and adding value to the our employees, customers, company, sector, country and the world.

■ OUR VISION is to be a Global Brand.

Our vision is being initiator and proactive in new technologies, satisfying customer needs at our most priority and with optimum conclusion, educating employees for optimization of personnel and reflection to the customers including being a team with our personnel and customers. We aim to become a highly respected well known global brand in the thermoforming sector.



HYBRID Series

Thermoforming machines

CEMAKS proudly brings you the *thermoforming technology of the future*

CMX HYBRID
SERIES

■ What is Hybrid Thermoform?

Hybrid Thermoform is the name of the system which the production is completely automated by combining thermoforming machines with packaging machines. The classical manufacturing process is a manpower-based model, where the packaging process is performed by skilled operators. Too much labor, limited working speeds, high waste rate and slow production are the biggest disadvantages of this system.

■ Benefits of Hybrid Thermoform?

With Hybrid Thermoforming, a complicated process is simplified as the necessity of skilled labor is eliminated resulted to high production speed, low waste rate and reduction of labor costs.

CEMAKS Hybrid Thermoform, proudly designs and presents the future of the fully automated production process today.

STANDARD Series

Thermoforming machines

CEMAKS has been building thermoforming machines designed genuinely by its own team. The design team is experienced in thermoforming machines over 25 years. Thermoform machines are capable to produce disposable products for food, packaging industry and several other industries.

The thickness range of the sheet may vary from 0.10 mm to 2.5 mm. PP, PET, PLA, OPS, PS, XPS are some of the materials to run on the CMX machines. Examples for items mostly being produced in our machines are punnets, containers, flower pots, plates, lids, fruit trays, cups and various types of products. The sectors related to the thermoforming machine we manufacture are mainly Packaging and Food Industry, Paperwork industry, Toy industry, Automotive, Electronic and Medicine industries.

Main Technical ADVANTAGES.

- The forming and cutting stations are very strong and with 110 tons clamping force enabled by using special alloy steel casting monoblock system.
- The machine is running with 70 cycles/min without load.
- All arms are made of steel casting and last much longer in comparison to standard arms.
- All electronic and mechanical components are chosen among high quality world brands.
- The control panel is user friendly and very easy to use.
- Chain rails are made of special and very durable alloy which lasts much longer.
- Cemaks machines having adapter already on the machine enables to run the tools of almost all other thermoforming machines (No adaptation needed).
- Our large mould area which enables maximum cavity configuration and maximum production output with high speed for the machine.
- Processing depth of the machine is 170mm negative/positive.
- The change from Servo to pneumatic plug assist is adjusted from the screen (No mechanical adjustment necessary)
- There are many different configurations for the Robot stacker and can be chosen as optional.
- Forming station enables cutting in place (forming&cutting in the forming station).

CMX STANDARD SERIES

cemaks.com



We offer solutions — **for all your needs**

From Molds to Self-Packaging,
Preheater to Grinder



Standard and Hybrid
Series Models

	Maximum Mould Size	Maximum Forming Area	Maximum Cutting Area	Positive Forming Depth *	Negative Forming Depth *	Maximum Sheet Width	Minimum Sheet Width	Heater Power	Continuous Power Consumption		Total Installed Power		Vacuum	Dry Running Cycle	Required Compressor
									3 Station	4 Station	3 Station	4 Station			
	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)	kW	kW		kW		m ³ /h (ft ³ /h)	cycle/min	m ³ /min (ft ³ /min)
	1100 X 860 (43" x 34")	1080 X 840 (42" x 33")	1080 X 840 (42" x 33")	170 (6,5")	170 (6,5")	1150 (45")	600 (23")	190	85	100	265	325	210 (7416)	70	10 (353)
	920 X 710 (36" x 28")	900 X 680 (35" x 27")	900 X 680 (35" x 26")	170 (6,5")	170 (6,5")	970 (38")	400 (16")	150	65	75	225	285	210 (7416)	70	8 (282)
	1100 X 860 (43" x 34")	1080 X 840 (42" x 33")	1080 X 840 (42" x 33")	170 (6,5")	170 (6,5")	1150 (45")	600 (23")	190	85	100	265	325	210 (7416)	70	10 (353)
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* Forming depth values may vary depending on the type of the tool and raw material used.

CMX-1000 / CMX-900
are available in 3 and
4 station.

CMX-1000 / CMX-900
Form-Cut in Place for Forming
Station Possible.

The Flagship of Efficiency and Precision



■ Precision In Every Curve

CEMAKS is proud to unveil our latest innovation: the CMX-1000 Series, a pinnacle of engineering excellence and efficiency with the highest potential in production capacity that we've ever offered.

■ Sustainable Operation

Robust and Reliable: Built with top-tier components, this machine promises unparalleled durability and minimal downtime.

■ Efficient Production In Every Material

Whatever the material you work with PET,PS or PP, CEMAKS 1000 series offers you efficient, stable and trouble-free mass production.

■ Fast Production

The CMX-1000 Series boasts rapid production capabilities, thanks to its larger tools and powerful motors, enabling faster manufacturing cycles

CEMAKS proudly brings you the **thermoforming technology of the future**

For smooth and flexible production



■ Custom Design Projects.

CEMAKS's design team can contrive all your specified needs and produce the right machine for you.

■ Universal Tool Compatibility.

Our machines are compatible with all the tools used in the market and they can also be used with your existing tools.

■ Cut in Place (CiP) System.

Our Cut in Place system enables the production of high-quality plastic packaging with high cutting accuracy.

■ Specialized Packaging System.

Our genuine designed packaging system will evolve your production line's automation to an higher level.

CEMAKS proudly brings you the **thermoforming technology of the future**



M1

M2

M3

M4

M5

**THERMOFORMING
MACHINES**

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**SCULPTING INNOVATION
ENHANCING PRODUCTIVITY**

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THERMOFORM
FUTURE OF THERMOFORMING

Optimum performance in Thermoforming Technology

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Scientia Machinery is the exclusive North American representative of CEMAKS.

Reach information about Cemaks,
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