



HARIKRUSHNA
MACHINES PVT. LTD.

erkurmakine

THERMOFORMING IS OUR PASSION...

**Thermoforming
Machines & Molds**

AUTOMATIC PACKAGING

**NEW
PRODUCT**



ER 130-5

**NEW
PRODUCT**



ER 70-C



**ER 70-3/70-4 XL
ER 80-3/80-4
ER 90-3/90-4
ER 100-3/100-4**



ER 130 TRIM PRESS



THERMOFORMING MOLDS



Represented by Harikrushna Machines Pvt. Ltd.

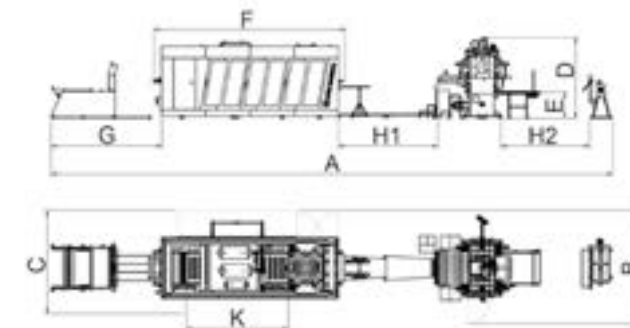
www.harikrushna.com | www.erkur.com



Technical Specification

FUNCTION		Form-Cut-Stack
Forming Mould Size		1300 x 1200 mm
Cut&Stack Mould Size		1500 x 600 mm
Forming, Cutting Area		1275 x 1175 mm
Sheet Width		1240 mm Max.
Sheet Thickness.		0,1-2 mm for Plastics/1,0-5 mm for PS Foam
Maximum Sheet Roll Weight		1500 kg
Maximum Bobbin Diameter		1600 mm
Max. Product Height		Positive 130 mm/Negative 130 mm
Max. Dry Cycles		45 cycles/min.
Total Installed Power		230-240 kW
Heater Lenght		3950 mm
Heating power	Upper	75 kW
	Lower	73 kW
Vacuum		200 m³/min.
Required Compressor		6-7 m³/min.
Required Chiller		40.000 Kcal/h
Operation Pressure		6-8 bar
Forming Closing Force		75.000 daN
Cutting Closing Force		120,000 daN
Lubrication System		Automatic machine and chain lubrication
Approximate Machine Weight (ton)		28,5 t.

Cutting & punching can be done at the same station. | With the Trim Press, we can cut with a serrated knife.



* Size in cm

ER 130 TRIM PRESS	A	B	C	D	E	F	G	H1	H2	K
	2124	440	400	315	100	740	430	385	290	3950 (HEATER)

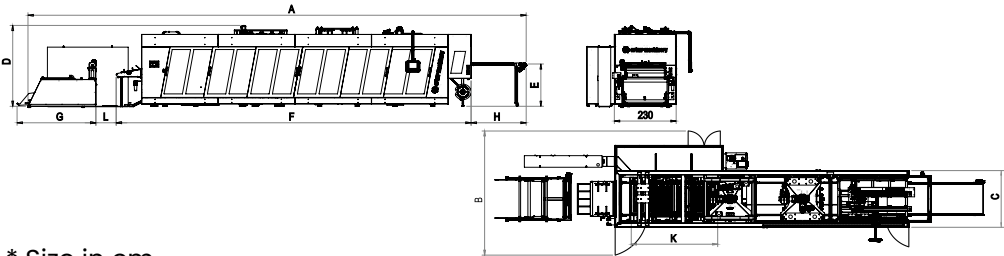




Technical Specification

FUNCTION		Form-Cut-Stack
Forming Mould Size		1300 x 1200 mm
Cut & Stack Mould Size		1500 x 600 mm
Mould High Forming	Upper	200-300 mm
	Lower	150-250 mm
Mould High Cutting & Stacking	Upper	90-160 mm
	Lower	80-120 mm
Forming, Cutting Area		1275 x 1175 mm
Sheet Width		1240 mm max.
Sheet Thickness		0,1-2 mm for plastics /1,0-5 mm for PS foam
Maximum Sheet Roll Weight		1500 kg
Maximum Bobbin Diameter		1600 mm
Max. Product Height		Positive 130 mm/Negative 130 mm
Max. Dry Cycles		45 cycles/min.
Total Installed Power		230-240 kW
Heater Lenght		3340 mm
Heating power	Upper	156 kW
	Lower	156 kW
Vacuum		200 m3/min.
Required Compressor		4-5 m3/min.
Required Chiller		40.000 Kcal/h
Operation Pressure		6-8 bar
Forming Closing Force		75.000 daN
Cutting Closing Force		120.000 daN
Lubrication System		Automatic machine and chain lubrication
Approximate Machine Weight (ton)		15 t.

Cutting & punching can be done at the same station. | With the Trim Press, we can cut with a serrated knife.



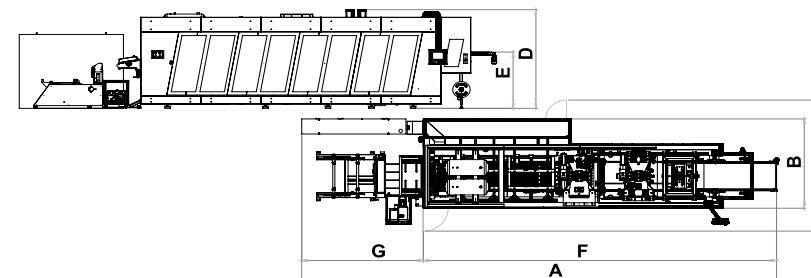
* Size in cm

ER 130 S	A	B	C	D	E	F	G	H	L	K
	1850	503	230	314	164	1318	293	205	75	334 (HEATER)



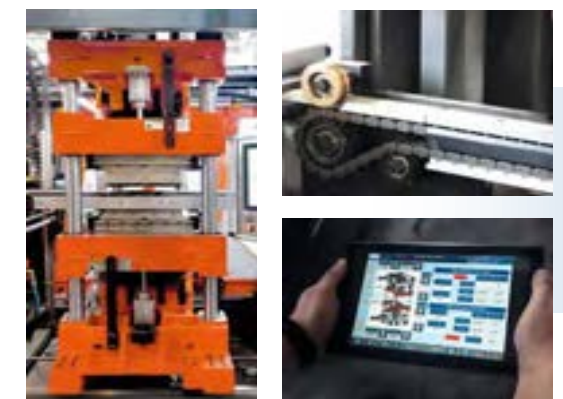
Technical Specification

		ER 100-3	ER 100-4
FUNCTION		Form-Cut-Stack	Form-Punch-Cut-Stack
Max. Mould Size		1020 x 720 mm	
Forming Mould Height	Upper	150-240 mm (with adaptor) 360-450 mm (without adaptor)	
	Lower	150-240 mm	
Cutting Mould Height	Upper	40-190 mm	
	Lower	190 mm fix.	
Punching Mould Height	Upper	-	175-325 mm
	Lower	-	260 mm fix.
Forming, Cutting Area		970 x 670 mm	
Sheet Width		1060 mm Max.	
Sheet Thickness		0,1-2,0 mm Max.	
Sheet Unwinder Reel		1300 mm Max.	
Maximum Sheet Roll Weight		1500 kg	
Max. Product Height		Positive 150 mm/Negative 150 mm	
Max. Dry Cycles		75 cycles/min.	
Running Power		100-130 kW	
Total Installed Power		225 kW/Foam 310 kW	
Vacuum		200 m³/min.	
Required Compressor		6-7 m³/min.	
Required Chiller		40.000 Kcal/h.	
Operation Pressure		6-8 bar	
Forming Closing Force		90.000 daN	
Cutting Closing Force		90.000 daN	
Punching Closing Force		90.000 daN	
Pitch Accuracy		0,15 mm	
Lubrication System		Automatic machine and chain lubrication	
Maximum Stacking Height (Sweeper)		500 mm	
Maximum Stacking Height (Robot)		500 mm	
Approximate Machine Weight (ton)		3 station - 24 t./4 station - 31 t.	



* Size in cm

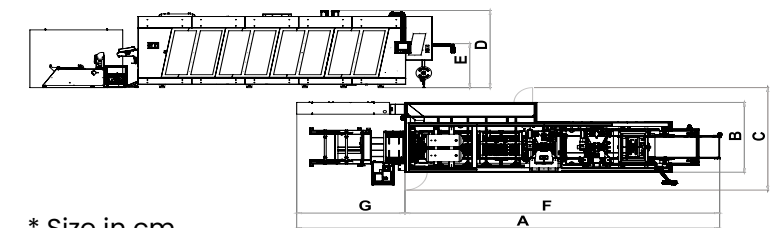
ER 100		A	B	C	D	E	F	G
	3 Station	1360	305	475	310	175	1010	350
	4 Station	1535	305	475	310	175	1175	350





Technical Specification

		ER 90-3	ER 90-4
FUNCTION		Form-Cut-Stack	Form-Punch-Cut-Stack
Max. Mould Size		920 x 720 mm	
Forming Mould Height	Upper	150-240 mm (with adaptor) 360-450 mm (without adaptor)	
	Lower	150-240 mm	
Cutting Mould Height	Upper	40-190 mm	
	Lower	190 mm fix.	
Punching Mould Height	Upper	-	175-325 mm
	Lower	-	260 mm fix.
Forming, Cutting Area		870 x 670 mm	
Sheet Width		960 mm Max.	
Sheet Thickness		0,1-2,0 mm Max.	
Sheet Unwinder Reel		1300 mm Max.	
Maximum Sheet Roll Weight		1500 kg	
Max. Product Height		Positive 150 mm/Negative 150 mm	
Max. Dry Cycles		75 cycles/min.	
Running Power		55-65 kW	
Total Installed Power		225 kW/Foam 310 kW	
Vacuum		200 m³/min.	
Required Compressor		6-7 m³/min.	
Required Chiller		40.000 Kcal/h.	
Operation Pressure		6-8 bar	
Forming Closing Force		90.000 daN	
Cutting Closing Force		90.000 daN	
Punching Closing Force		90.000 daN	
Pitch Accuracy		0,15 mm	
Lubrication System		Automatic machine and chain lubrication	
Maximum Stacking Height (Sweeper)		500 mm	
Maximum Stacking Height (Robot)		500 mm	
Approximate Machine Weight (ton)		3 station - 21 t./4 station - 28 t.	



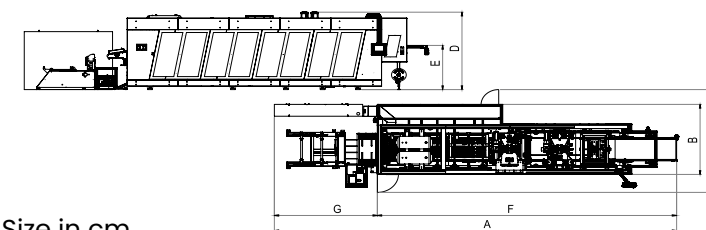
* Size in cm

ER 90		A	B	C	D	E	F	G
	3 Station	1360	305	475	310	175	1010	350
	3F Foam	1490	300	470	310	175	1140	350
	4 Station	1535	305	475	310	175	1175	350
	4F Foam	1650	300	470	310	175	1300	350



Technical Specification

		ER 80-3	ER 80-4
FUNCTION		Form-Cut-Stack	Form-Punch-Cut-Stack
Max. Mould Size		800 x 580 mm	
Forming Mould Height	Upper	150-240 mm	
	Lower	150-250 mm	
Cutting Mould Height	Upper	50-150 mm	
	Lower	150 mm fix.	
Punching Mould Height	Upper	-	145-325 mm
	Lower	-	250 mm fix.
Forming, Cutting Area		750 x 530 mm	
Sheet Width		845 mm Max.	
Sheet Thickness		0,1-2,0 mm Max.	
Sheet Unwinder Reel		1200 mm Max.	
Maximum Sheet Roll Weight		1500 kg	
Max. Product Height		Positive 130 mm/Negative 150 mm	
Max. Dry Cycles		75 cycles/min.	
Running Power		40-50 kW	
Total Installed Power		170 kW/Foam 270 kW	
Vacuum		200 m³/min.	
Required Compressor		6-7 m³/min.	
Required Chiller		40.000 Kcal/h.	
Operation Pressure		6-8 bar	
Forming Closing Force		80.000 daN	
Cutting Closing Force		80.000 daN	
Punching Closing Force		80.000 daN	
Pitch Accuracy		0,15 mm	
Lubrication System		Automatic machine and chain lubrication	
Maximum Stacking Height (Sweeper)		400 mm	
Maximum Stacking Height (Robot)		500 mm	
Approximate Machine Weight (ton)		3 station - 18 t./4 station - 23 t.	



* Size in cm

ER 80		A	B	C	D	E	F	G
	3 Station	1245	280	450	300	165	895	350
	4 Station	1350	280	450	300	165	1015	350
	4 Station	1370	280	450	300	165	1090	350
	4 Station	1565	280	450	300	165	1215	350



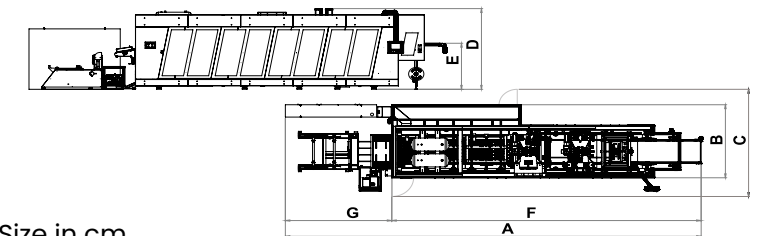


Technical Specification

ER 70-3XL

ER 70-4XL

FUNCTION		Form-Cut-Stack	Form-Punch-Cut-Stack
Max. Mould Size		700 x 585 mm	
Forming Mould Height	Upper	125-175 mm (with adaptor) 310-350 mm (without adaptor)	
	Lower	125-175 mm	
Cutting Mould Height	Upper	30-140 mm	
	Lower	140 mm fix.	
Punching Mould Height	Upper	-	95-205 mm
	Lower	-	180 mm fix.
Forming, Cutting Area		650 x 450 mm	
Sheet Width		740 mm Max.	
Sheet Thickness		0,1-2 mm Max.	
Sheet Unwinder Reel		1300 mm Max.	
Maximum Sheet Roll Weight		1500 kg	
Max. Product Height		Positive 100 mm/Negative 100 mm	
Max. Dry Cycles		75 cycles/min.	
Running Power		30-40 kW	
Total Installed Power		150 kW/Foam 210 kW	
Vacuum		105 m³/min.	
Required Compressor		5-6 m³/min.	
Required Chiller		30.000 Kcal/h.	
Operation Pressure		6-8 bar	
Forming Closing Force		70.000 daN	
Cutting Closing Force		70.000 daN	
Punching Closing Force		70.000 daN	
Pitch Accuracy		0,15 mm	
Lubrication System		Automatic machine and chain lubrication	
Maximum Stacking Height (Sweeper)		400 mm	
Maximum Stacking Height (Robot)		300 mm	
Approximate Machine Weight (ton)		3 station - 12 t./4 station-16 t.	



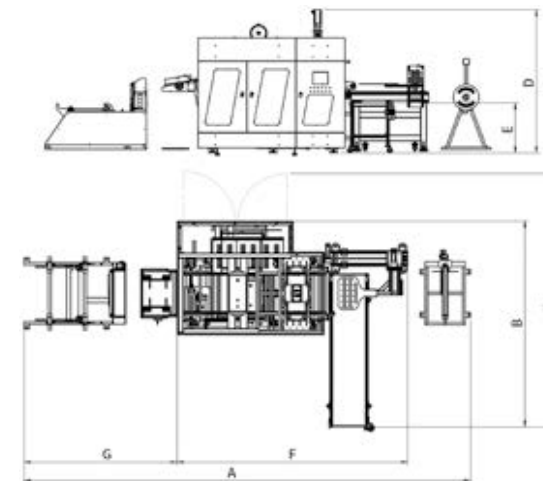
* Size in cm

ER 70 XL		A	B	C	D	E	F	G
	3 Station	1130	230	410	270	145	870	310
	3F Foam	1230	230	410	270	145	985	310
	4 Station	1220	230	410	270	145	960	310
	4F Foam	1320	230	410	270	145	1070	310



Technical Specification

FUNCTION		Form-Cut-Stack
Max. Mould Size		700 x 450 mm
Forming Mould Height	Upper	196234 mm
	Lower	170-270 mm
Forming, Cutting Area		350 x 650 mm
Sheet Width		750 mm Max.
Sheet Thickness		0,1-1,8 mm Max.
Sheet Unwinder Reel		1200 mm Max.
Maximum Sheet Roll Weight		1500 kg
Max. Product Height		160 mm
Max. Dry Cycles		30 cycles/min.
Running Power		25-35 kW
Total Installed Power		130 kW
Required Compressor		5-6 m³/min.
Required Chiller		30.000 Kcal/h.
Operation Pressure		6-8 bar
Forming Closing Force		55000 daN
Pitch Accuracy		0,15 mm
Lubrication System		Automatic machine and chain lubrication
Approximate Machine Weight (ton)		8 t.



* Size in cm

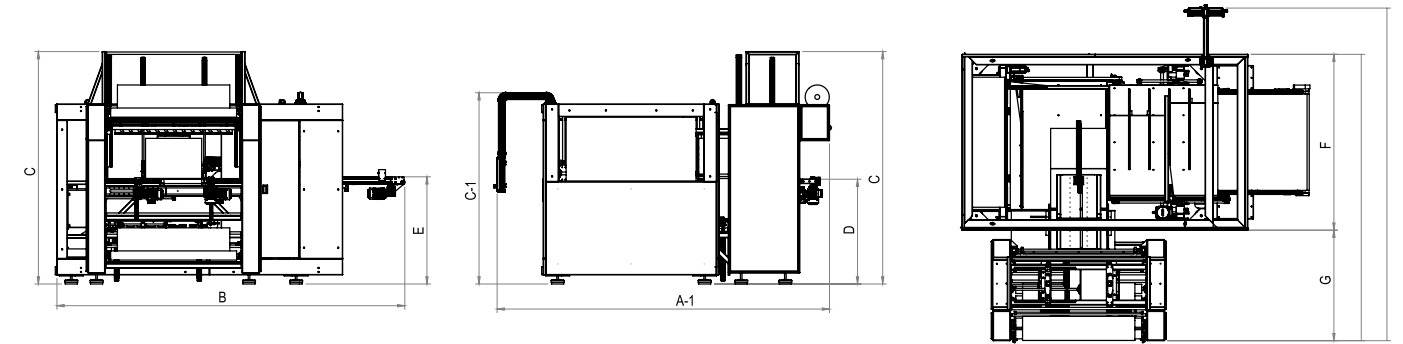
ER 130 S	A	B	C	D	E	F	G
	880	410	500	285	110	450	300





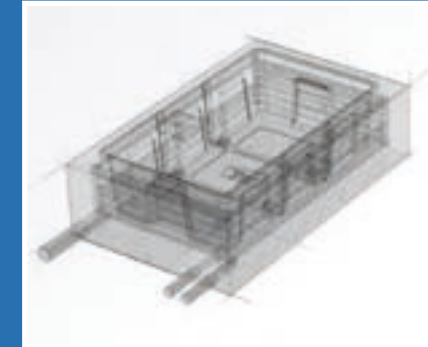
Technical Specification

FUNCTION	Form-Cut-Stack
Maximum Stacked Product Height	1000mm
Stacked Product Width	300mm
Packaging Nylon Thickness	Min-25/Max-50 Micron
Packaging Nylon Width	Max- 1200 mm
Total Installed Power	15 kW
Operation Pressure	6-8 bar
Machine Weight (ton)	3,5 t.



* Size in cm

PACKAGING	A	B	C	D	E	F	G	H	L	K
	360	415	434	290	240	130.5	133.5	219	140	334 (HEATER)



> Conceptual Design



> Sampling

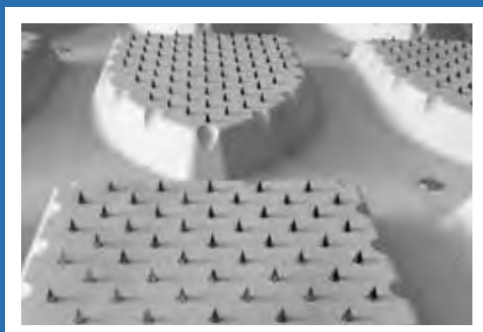


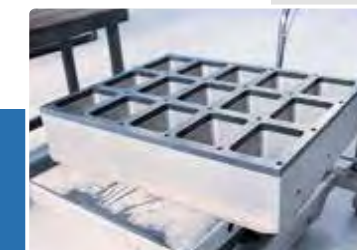
> Tool Supply

We provide complete tooling for thermoforming applications

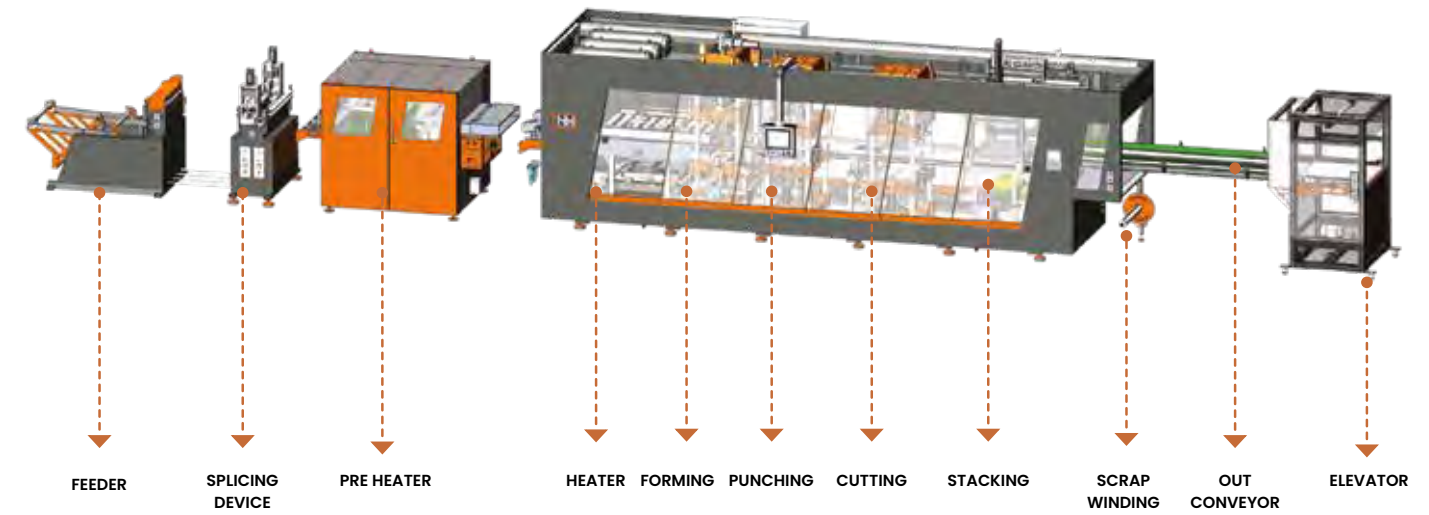
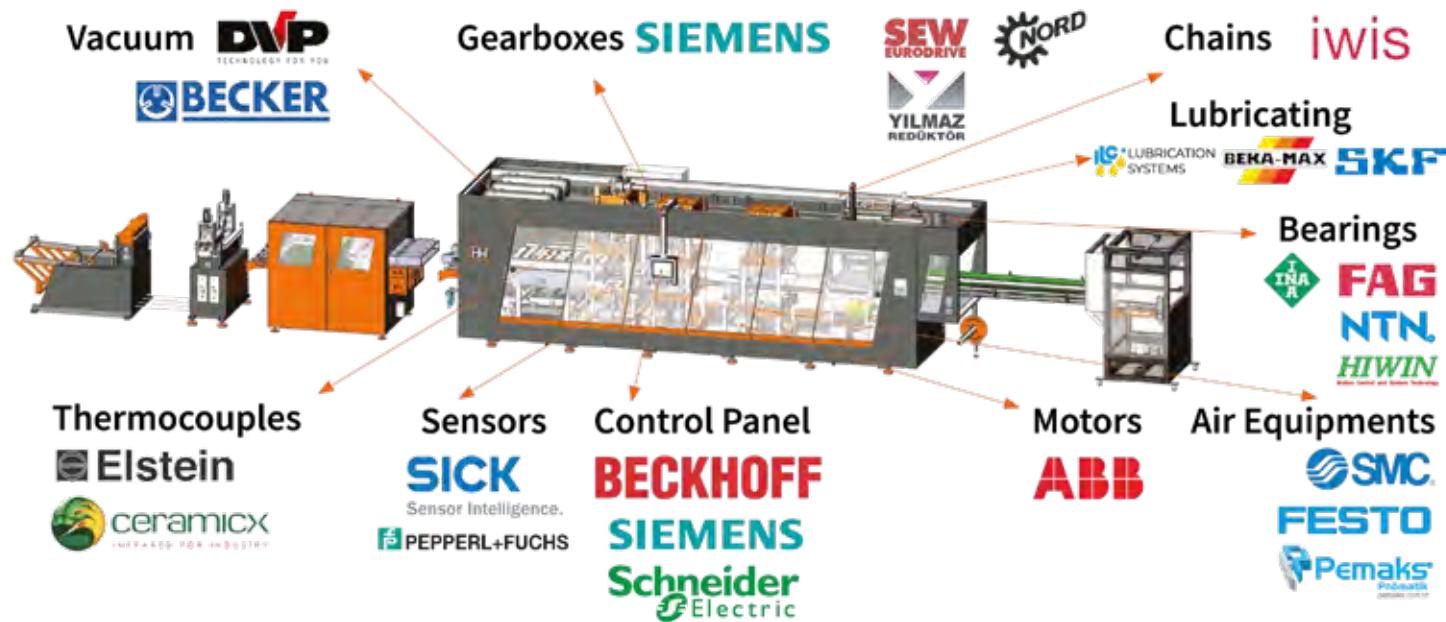
As of today's growing competency, unique designs and usability are essential elements of successful product launch. From concept, to production, Erkur Design Studio is your solution partner. We provide complete tooling for thermoforming applications.

Through our vast experience, optimum mold layout, tool cooling, forming air and vacuum systems are designed as per best practice. Materials used are of highest quality standards for life time setup. Testing, delivery and installation at sight are provided.

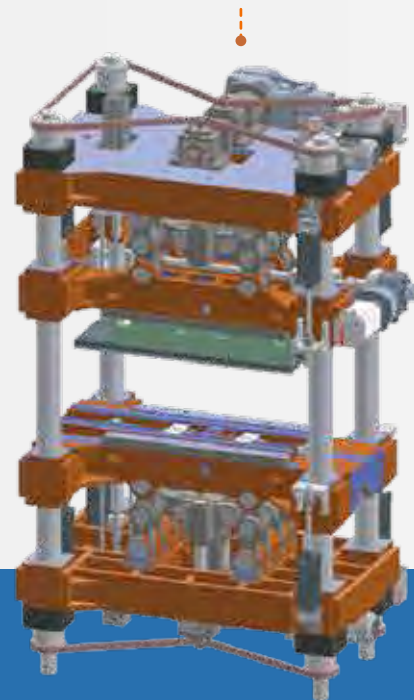




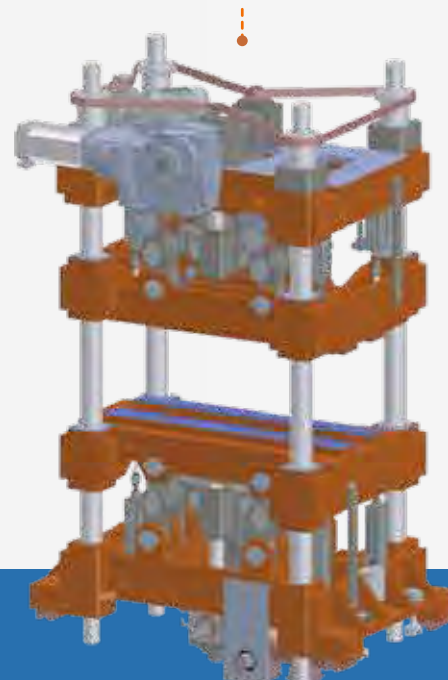
Thermoforming Machines Structure



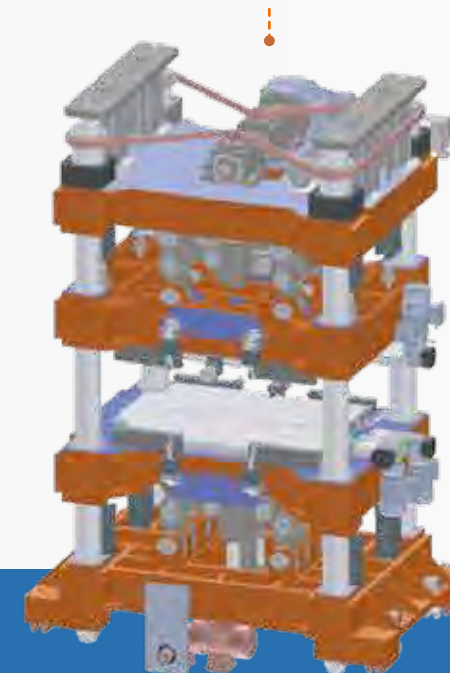
FORMING



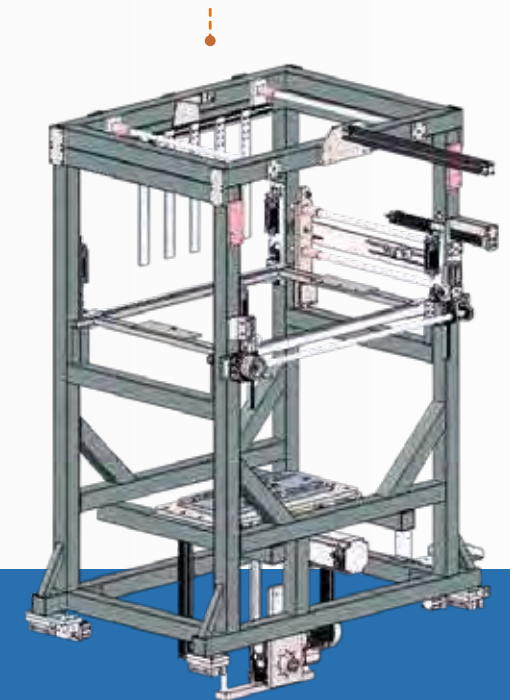
PUNCHING



CUTTING



STACKING



THERMOFORMING
MACHINES



THERMOFORMING
MOLDS



OVERHEAD CONVEYOR
SYSTEMS & CHAIN

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Final Product Design and Mold Manufacturing



HARIKRUSHNA **MACHINES PVT. LTD.**

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Factory 1

Karaağaç Mah. Batu Sok. No:9/1
Hadımköy - Büyükçekmece - İSTANBUL

Factory 2

Avrupa San. Sit. B Blok No:6
Kapaklı - Çerkezköy - TEKİRDAĞ

Factory 3

Canbazlarköyü Mah. Kanal Sok.
Kapı: 10 İç Kapı No:1 Gürsu - BURSA