



***Machinery for baking wafers
for
creams and ice cream***

***European quality
and
Chinese dynamics***



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EUROPEAN QUALITY AND CHINESE DYNAMICS

*In 2014 **Zhaoqing Coral Foodstuff Machine Company Ltd.** signed a cooperation with the **Kocula company of Poland**, expanding its offer of highly efficient automated lines for wafer production by smaller machinery for baking wafers for ice cream & creams as well as flat wafers.*

The new offer is designed for small and medium size wafer production. The devices are hand operated machines as well as mechanized and fully automated machinery.

The cooperation between the Coral and Kocula companies will provide new machinery for use which derives from Kocula company's over 50 years of experience, technology with a great production potential, professional knowledge and rich experience of Coral company.



Machinery for baking wafers for ice-cream and cream from CORAL-KOCULA

Machinery for baking wafers for ice-cream and creams as well as for wafer rolls produced in conjunction with the CORAL-KOCULA companies are designed mainly for small and medium size producers. Wafer machines are individually manufactured on order, considering the particular needs of the customer regarding efficiency and automatization level, wafer design, decorative engraving, inscriptions ect. The client can choose a wafer pattern from the catalogue or let us manufacture any type of a pattern. Each machine can be manufactured with more or less socket amount as required. Matrixes are heated electrically. Machines are able to work 24 hours/day. Baking tests are carried out before the receipt of the machine. All machines are equipped with spare parts for at least one year of intensive use.

Hand operated machines



Machines are equipped with with electronic temperature and time of baking control (with an end-baking audible signal). Each wafer baking machine is equipped with a self-filling mechanical device, batching wafer batter (dough). Control elements are in the free standing console, which can be put near the machine or mounted onto the wall. All electrical and electronic equipment comes from well-known producers and guarantees high reliability and work safety for users. Applying of mentioned improvements together with precise execution of the whole machinery ensures high productivity, savings on batter (dough) and electric energy as well as a continuous control of wafer baking parameters.



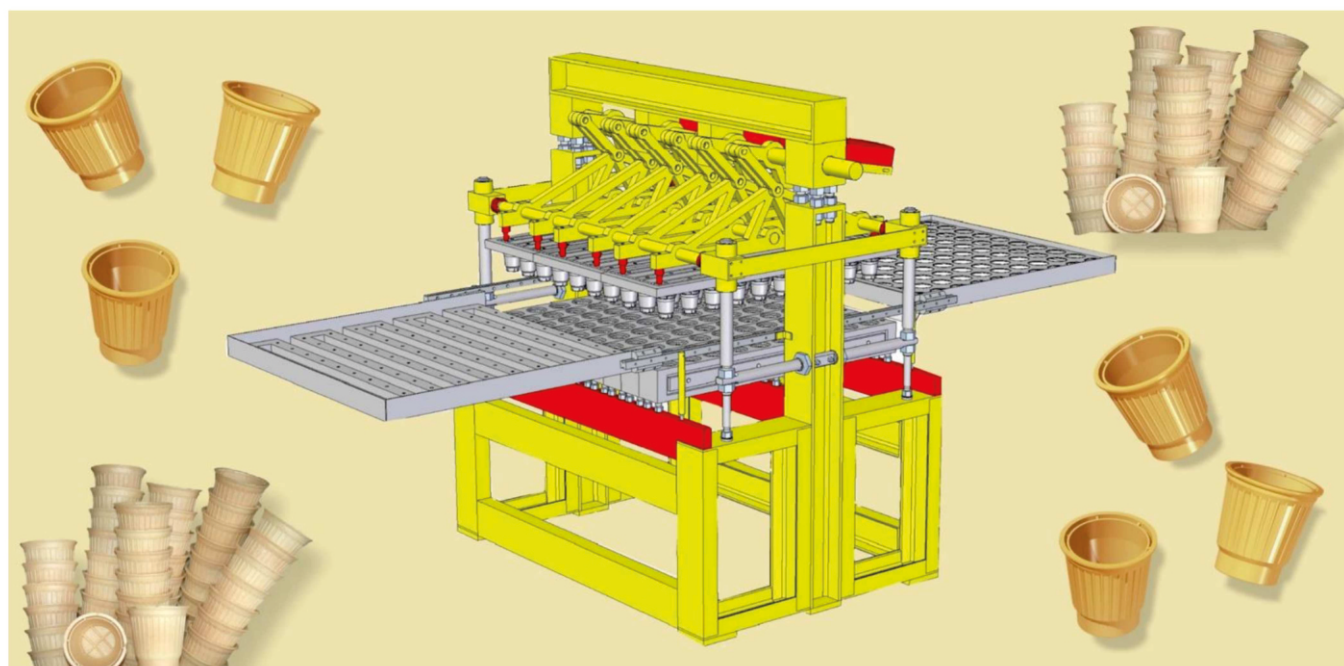
Mechanized machinery

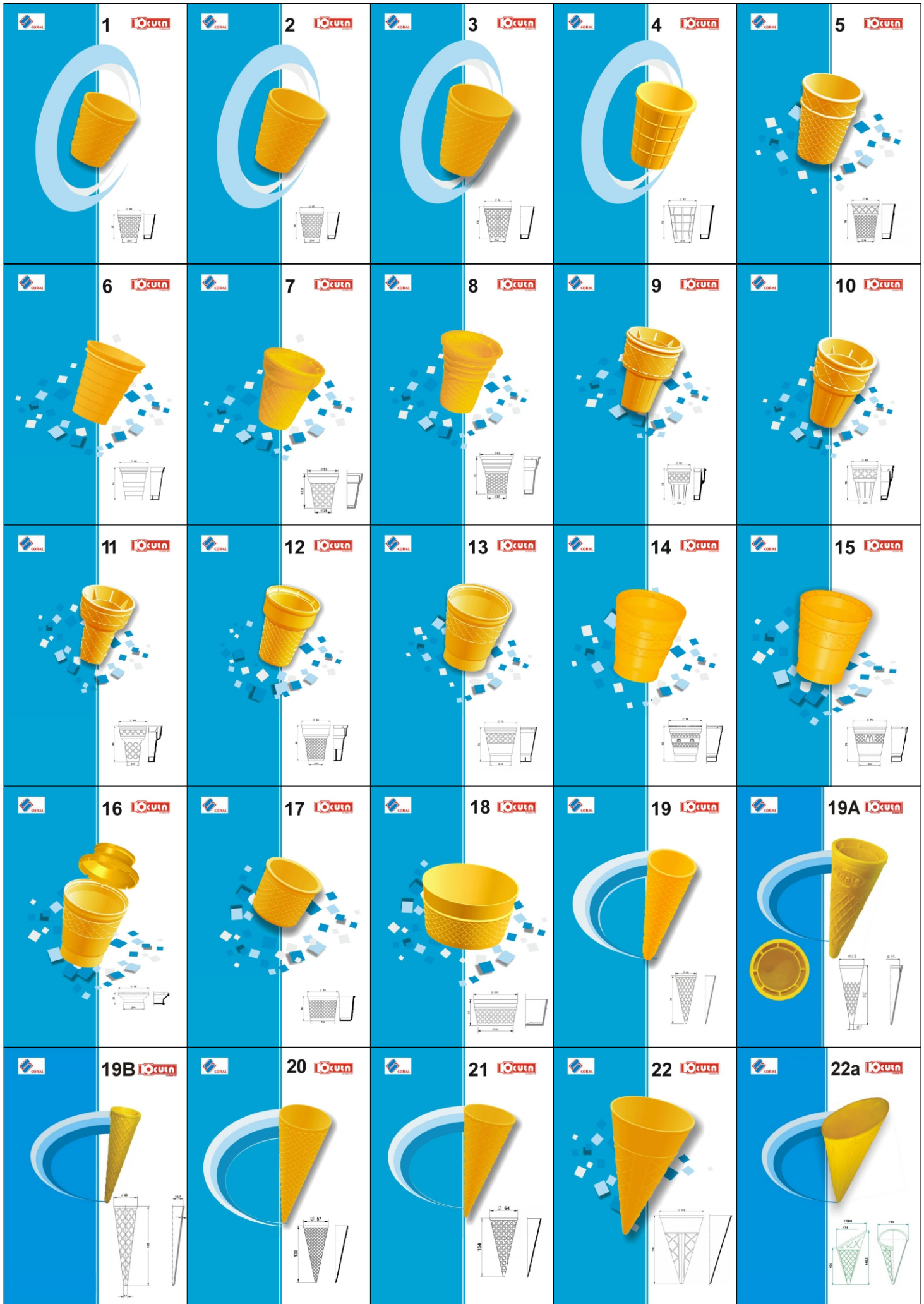
Machinery for baking wafers for ice-cream is fully mechanized with matrixes drawn apart, manual wafer packaging, traditional decorative engraving, batter dosage by a tilting ladle or a nozzle dispenser. The operation of the machine can last up to 24 hour of automatic or so called "forced automatic" work. The whole cycle begins when the machine operator presses a "start" button. The baking process runs automatically without any assistance. At the end the top pin plate is lifted, the matrixes are drawn apart and the freshly baked wafers fell down on the conveyor or directly into a container. The next baking process should be proceed by making sure if all baked wafers have felt down. The new cycle is launched again by pressing the "start" button. Automatisatation eliminates the hard physical work during the operation and enforces the repetition of baking process parameters as well as it decreases the exploitation of the machine caused by an inappropriate closing and opening of the top pin plate (which in practice is impossible to eliminate during a manual operation).

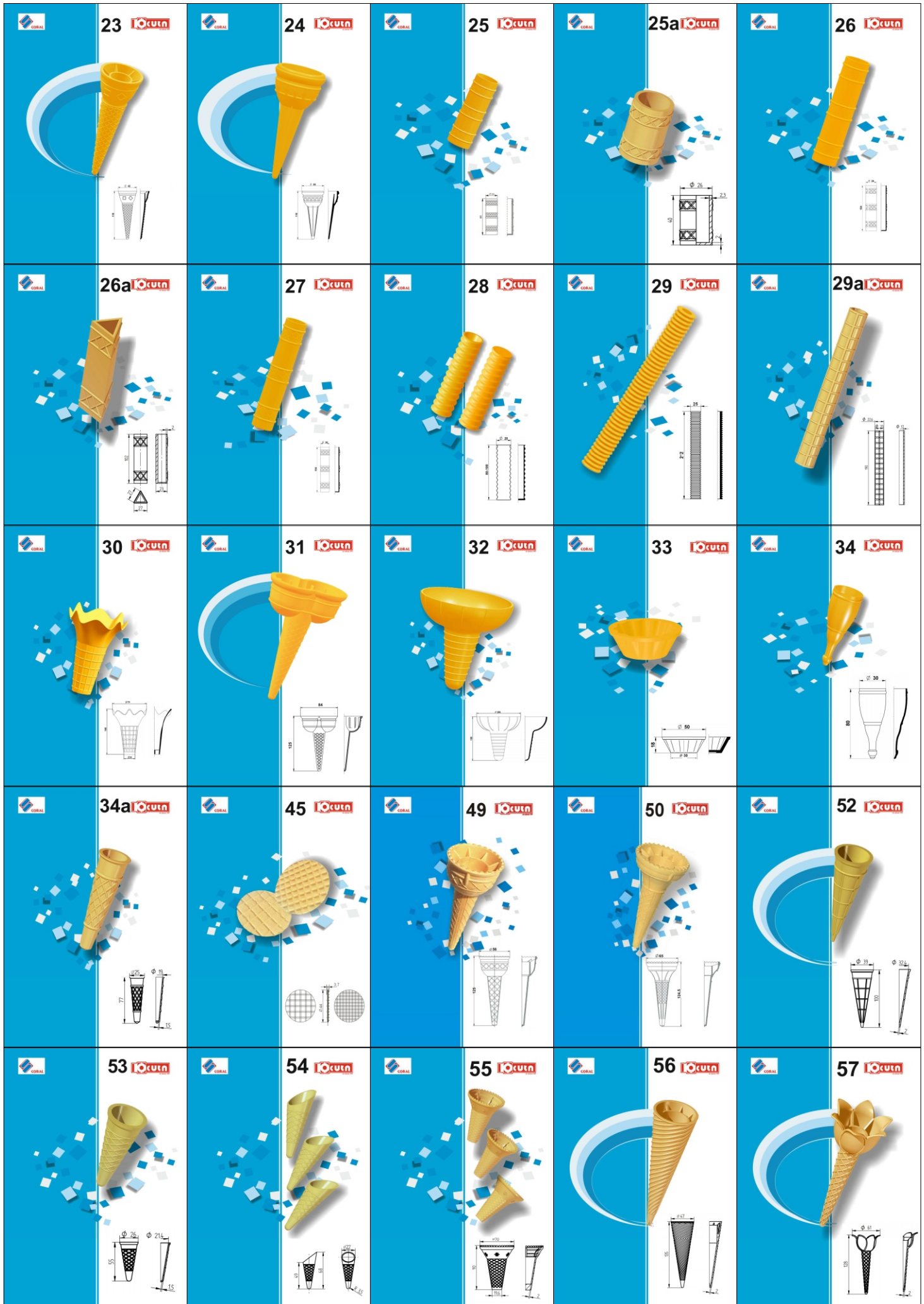


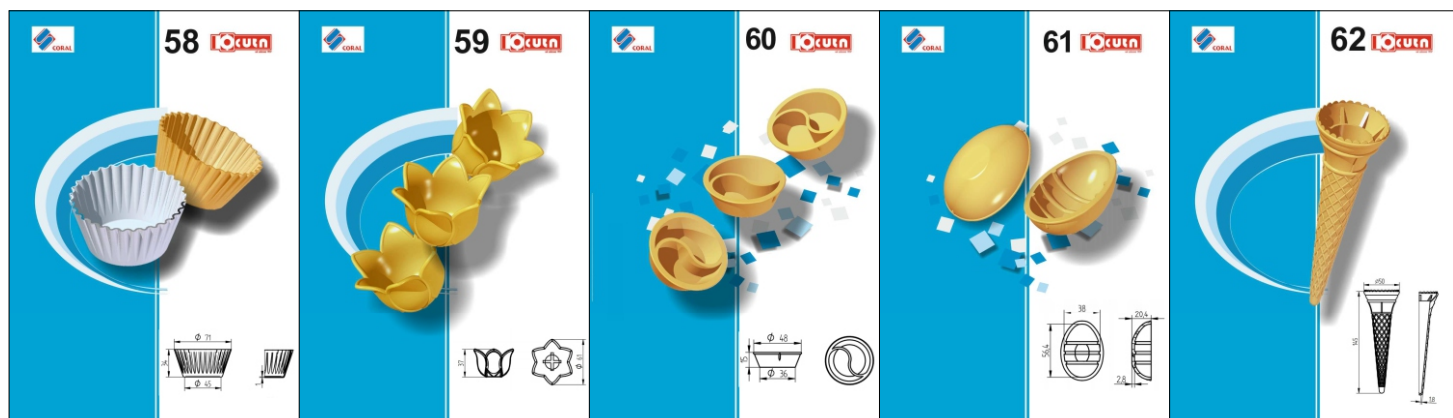
Automatic machinery

An automated wafer baking machine for baking wafers with a flat bottom and a vertical decorative engraving are designed by usage of a new technology – fixed matrixes. Freshly baked wafers are disposed of the machine in an ordered way and collected in piles, ready for packing. The work cycle is fully automated. Machines are highly, have low energy consumption and occupy little space. They are equipped with maximally durable matrixes which can be easily exchanged to a different wafer pattern.















































Catalogue number	Wafer's type	Wafer's size	Sockets amount (max.) Efficiency minimal (pieces/hour) Power supply (kW)		
			Hand operated machinery	Mechanized machinery	Automatic machinery
1		Ø54/57/Ø34	55, 2000 , 20	88, 2650 , 34	169, 5000 , 52
2		Ø57/65/Ø35	55, 2000 , 22	88, 2650 , 34	156, 4680 , 50
3		Ø62/76/Ø38	55, 2000 , 22	70, 2100 , 30	132, 3960 , 50
4		Ø62/76/Ø38	55, 2000 , 22	70, 2100 , 30	132, 3960 , 50
5		Ø62/76/Ø38	55, 2000 , 22	70, 2100 , 30	132, 3960 , 50
6		Ø66/74/Ø39	50, 1750 , 20	63, 1900 , 30	132, 4000 , 48
7		Ø53/57/Ø28	78, 3000 , 25	96, 2880 , 34	182, 5400 , 56
8		Ø67/70/Ø37	50, 1750 , 22	63, 1900 , 30	121, 3600 , 44
9		Ø52/72/Ø27	60, 2400 , 22	96, 2900 , 30	182, 5460 , 56
10		Ø60/78/Ø28	55, 1650 , 22	70, 2100 , 30	144, 4300 , 48
11		Ø64/80/Ø27	55, 1650 , 22	70, 2100 , 30	132, 4000 , 48
12		Ø65/80/Ø35	50, 1500 , 22	63, 1900 , 30	132, 4000 , 48
13		Ø74/78/Ø48	36, 1100 , 18	48, 1440 , 28	100, 3000 , 42
14		Ø76/82/Ø48	36, 1100 , 18	48, 1440 , 28	100, 3000 , 42
15		Ø76/78/Ø48	36, 1100 , 18	48, 1440 , 28	100, 3000 , 42
16		Ø70/28/Ø48	40, 1200 , 18	54, 2900 , 28	110, 3600 , 44
17		Ø70/56/Ø55	40, 1200 , 18	54, 2900 , 28	110, 3600 , 44

Catalogue number	Wafer's type	Wafer's size	Sockets amount (max.) Efficiency minimal (pieces/hour) Power supply (kW)		
			Hand operated machinery	Mechanized machinery	Automatic machinery
18		Ø100/54/Ø80	18, 540 , 15	30, 900 , 24	56, 1700 , 32
19		Ø48/110	72, 2800 , 26	117, 3500 , 38	—
19a		Ø48/112	72, 2800 , 26	117, 3500 , 38	—
19b		Ø43/145	90, 3000 , 26	140, 4200 , 40	—
20		Ø57/130	55, 2200 , 25	88, 2650 , 34	—
21		Ø64/134	55, 2000 , 25	70, 2100 , 30	—
22		Ø102/156	18, 500 , 15	30, 900 , 24	—
22a		Ø100/Ø74/148	18, 500 , 15	30, 900 , 24	—
23		Ø42/110	90, 3600 , 26	150, 4500 , 40	—
24		Ø50/110	72, 2880 , 26	108, 3300 , 38	—
25		Ø26/80	140, 4000 , 28	322, 8050 , 56	—
25a		Ø26/40	176, 5000 , 28	322, 8050 , 56	—
26		Ø24/104	154, 4000 , 28	322, 8050 , 56	—
26a		27/102	140, 3500 , 28	308, 7000 , 56	—
27		Ø20/104	182, 5000 , 28	490, 12 200 , 65	—
28		Ø28/100(80)	140, 4000 , 28	286, 7150 , 52	—
29		Ø25/190	—	—	150, 3000 , 32
29a		Ø20/190	—	—	150, 3000 , 32
30		Ø75/100/Ø24	36, 1080 , 18	48, 1440 , 26	100, 3000 , 42

Catalogue number	Wafer's type	Wafer's size	Sockets amount (max.) Efficiency minimal (pieces/hour) Power supply (kW)		
			Hand operated machinery	Mechanized machinery	Automatic machinery
31		84/125	42, 1250 , 26	64, 1900 , 34	—
32		Ø100/100	18, 500 , 15	30, 900 , 24	—
33		Ø50/18/Ø30	72, 2200 , 26	108, 3200 , 36	196, 5800, 56
34		Ø30/80	133, 4000 , 28	260, 7800 , 50	—
34a		Ø25/77/Ø9	147, 4400 , 28	336, 9400 , 56	—
45		Ø44/3,7	84, 3000 , 22	126, 3700, 30	225, 6700, 55
49		Ø56/125	55, 1650 , 22	88, 2600 , 32	—
50		Ø65/125	55, 1650 , 22	63, 1800, 32	—
52		Ø39/100	90, 3000 , 26	160, 4800, 40	—
53		Ø27/55/Ø7	168, 6000 , 30	308, 9200 , 50	—
54		Ø27/68/49	147, 4400 , 30	—	—
55		Ø70/87/19,5	40, 1200 , 18	54, 1600 , 26	100, 3000, 42
56		Ø46/135	72, 2800 , 26	126, 3700, 38	—
57		Ø61/128	50, 1500 , 22	70, 2100, 30	—
58		Ø71/34	12, 400 , 12	—	100, 3000, 40
59		Ø61/38	50, 1500 , 22	—	144, 4000, 48

Catalogue number	Wafer's type	Wafer's size	Sockets amount (max.) Efficiency minimal (pieces/hour) Power supply (kW)		
			Hand operated machinery	Mechanized machinery	Automatic machinery
60		Ø48/Ø36/15	72, 2880 , 26	90, 2500, 38	200, 5500, 52
61		56/38/20,5	72, 2880 , 26	90, 2500, 38	200, 5500, 52
62		Ø50/145	72, 2880 , 26	108, 3300 , 38	—

Matrixes for wafer baking

The CORAL-KOCULA companies offer a wide variety of matrixes for machines for baking wafers as well for own production as for other producers.

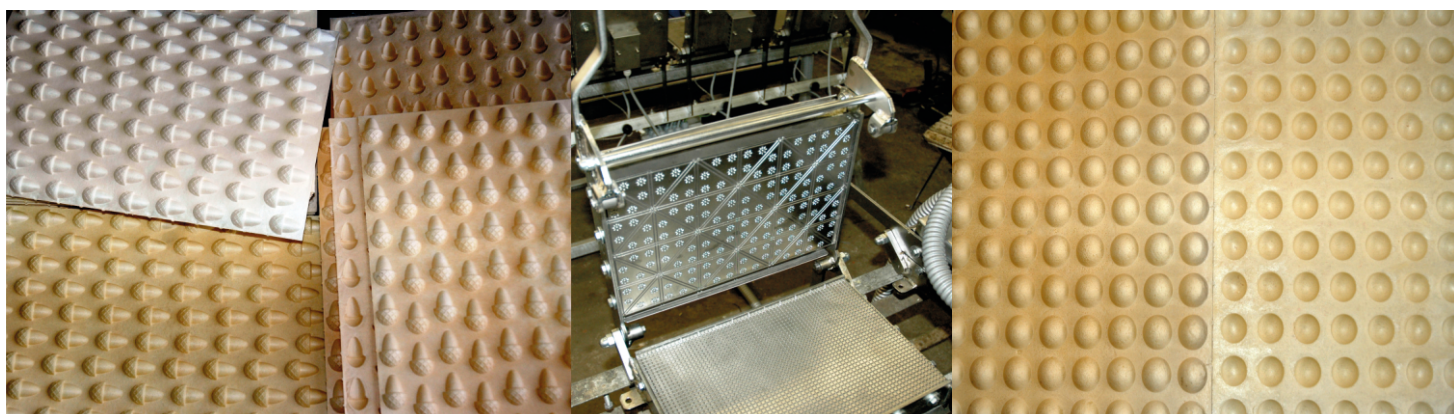


Machines for baking flat and shaped wafers

CORAL-KOCULA companies have expanded their present offer of highly efficient lines for baking flat wafers by hand-operated machinery for baking flat and shaped wafers designed for small and medium sized wafer producers. Machinery for baking flat wafers (square, rectangular, round wafers) are mostly made as 4 iron set, which means that there are 4 independent irons mounted on a common frame.



Each iron is designed for baking one wafer sheet. In front of the base a batter tank is placed together with a mechanical filling device which enables with a single hand motion to fill a measured quantity of batter on the given spots on each iron simultaneously. Each out of 4 iron set is equipped with baking time and temperature controls as well with wafer thickness adjustment. All electrical and electronic equipment comes from verified producers and guarantees high durability, reliability and safety. Matrixes are made from high quality cast iron, the base (frame) from galvanized steel and other elements from acid resistant steel and chromium plated steel. The iron sets can also come in a mechanized version, with an open-close actuator.





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