

THE BODY

DISTINCTIVENESS

[Superior quality kneading and modern design, make of the SPI spiral mixers a distinctive piece of equipment, as they are like no others. The result is a projection of the past into the future, and colors embodying the ingredients used in the mixing process:

a deep olive green as is the wheat in the spring and a sunny yellow hue as the ripe wheat, which turns into bread.]

PLUS

Optimum balance between the bowl rotation and the spiral arm enables an ideal flow of the kneading and is perfect for a soft and gentle handling of the dough.

A perfectly shaped arm rotates along the sides of the bowl and the accurate proportions among bowl, spiral arm and dividing blade, work together seamlessly towards the creation of even, soft and distinguished dough, also when only small amounts are used.

Accurate speed of the bowl and spiral arm for working the kneading and its processing pattern through controlled stretches and strains, intended for a continuous and consistent handling, lead to a significant reduction of the processing time and the temperature of the dough.

STRENGTHS

The outstanding sturdiness, for which Esmach is known, has allied with the automotive industry experience as all models share common platforms fitted in different frame sizes which ensure availability of spare parts and a speedy after-sale service.

The steel frame is properly enlarged and strengthened to give firmness to the stability of the machine even during the most demanding processes and to transfer the entire mechanical energy developed by the tool over to the kneading.

The outer casing is painted with an anti-corrosion double epoxy powder coating, suitable for food contact.

The cover lid is in thermoformed ABS, its design is new and unique.

The three wheels with blocking wedges ensure stability and leveling on uneven floors. They are also handy when moving the machine for deep cleaning in the area underneath the frame.

The stainless steel bowl with a sturdy rim for extra support; the dividing blade and the spiral arm also in stainless steel.

New stainless steel grid with the design complying with the most restrictive safety regulation.

The power panel is in a IP55 box for protection against flour dust and water sprays.

Independent motors for the bowl and spiral arm for models from 60 to 200 kg. One motor for 30 and 45 kg models.

Two working speeds for the bowl and the spiral arm.

Bowl rotation reversal device in first speed (except for 30 and 45 kg models).

DIMENSIONS



| Technical Features | SPI 30 | 45 | 60 | 80 | 100 | 130 | 160 | 200 |
|-------------------------------|---------------------------|--------|------|--------|-------|------------------------|---------|-------------------------|
| A | mm 477 | 477 | 588 | 588 | 588 | 735 | 735 | 735 |
| B | mm 978 | 978 | 1121 | 1207 | 1207 | 1413 | 1495 | 1495 |
| C | mm 1378 | 1378 | 1563 | 1563 | 1563 | 1610 | 1610 | 1610 |
| D | mm 741 | 791 | 891 | 886 | 936 | 862 | 883 | 943 |
| E | mm 1879 | 1864 | 1679 | 1751 | 1776 | 1864 | 1945 | 1975 |
| F | mm 562 | 562 | 638 | 741 | 741 | 847 | 948 | 948 |
| G | mm 181 | 131 | 184 | 189 | 139 | 222 | 202 | 142 |
| Kneading Range Min-Max | kg 2+30 | 2,5+45 | 3+60 | 3,5+80 | 4+100 | 4+130 | 4,5+160 | 4,5+200 |
| Bowl Capacity (nominal value) | l 50 | 60 | 95 | 120 | 145 | 200 | 250 | 290 |
| Drawn Power | kW 1,5 | 1,5 | 2,57 | 4,55 | 4,55 | 6,8 | 8,3 | 8,3 |
| Net Weight | kg 218 | 230 | 385 | 400 | 415 | 624 | 680 | 705 |
| Packing - Pallet | mm 1150(w)x650(l)x1550(h) | | | | | 1300(w)x850(l)x1730(h) | | 1600(w)x1000(l)x1750(h) |
| Packing - wooden crate | mm 1250(w)x750(l)x1670(h) | | | | | 1400(w)x950(l)x1820(h) | | 1700(w)x1100(l)x1850(h) |

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AUTOMATIC SPIRAL MIXER WITH FIXED BOWL

SPI 30-200 F



[Innovative scratch-resistant flat cover lid in ABS, made of two separate sections for easy inspection and maintenance of mechanical parts]

[The control panel rotates right and left up to 120 degrees.]

[Stainless steel grid with the design complying with the most restrictive safety regulation.]

[Transmission to spiral arm and bowl by means of pulley and V-belts.]

[Independent motors for the bowl and spiral arm for models from 60 to 200 kg. One motor for 30 and 45 kg models.]

[Optimum balance between the bowl rotation and the spiral arm enables an ideal flow of kneading.]

[Common platforms fitted in different frame sizes to ensure availability of spare parts and a speedy after-sale service.]

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ESMACH

THE SOUL

Our new SPI range of spiral mixers is the outcome of our long-term culture and experience in quality processing of all kinds of kneading for the bakery, pizzeria and the confectionery industries and our meticulous research in product technology. Structural strength, extreme versatility of

use, reliability, high standard safety features, accurateness in the manufacturing process, ergonomics and attractive design: these are the highlights of our established success in dough making, and which will project our tradition into the future.

30.45.60.80.100.130.160.200

[SPI comes in 8 models with a capacity ranging from 30 kg to 200 kg of dough. This is our cutting-edge range of spiral mixers, its look is simple and contemporary. The spiral mixers are available in both the electro-mechanic and electronic versions.

Esmach has an attentive focus on the research and monitoring of all aspects regarding the process and the growth of the dough, the latest products, the rheological properties of the blends, their timings and their final temperature, which has proved successful. In addition, we have put great effort into studying the versatility of use, best results when processing both minimum and maximum capacity of dough can be achieved..]





[The spiral mixer will not stop in case of failure of one of the belts]



INNOVATIVE IDEAS, INNOVATIVE EQUIPMENT

The direct power transmission is generated by the rotation of both the spiral arm and the bowl and is delivered by trapezoidal drive belts on multi-groove pulleys. This ensures:

- mechanical reliability, low noise, reduction of counter-shocks from the spiral arm, ease of maintenance (the machine works also in case of failure of a belt)
- wide margin for decreasing the working speed when processing the most demanding kneading.
- ventilation provided by plentiful air vents.

A 2 - SECTION COVER TOP

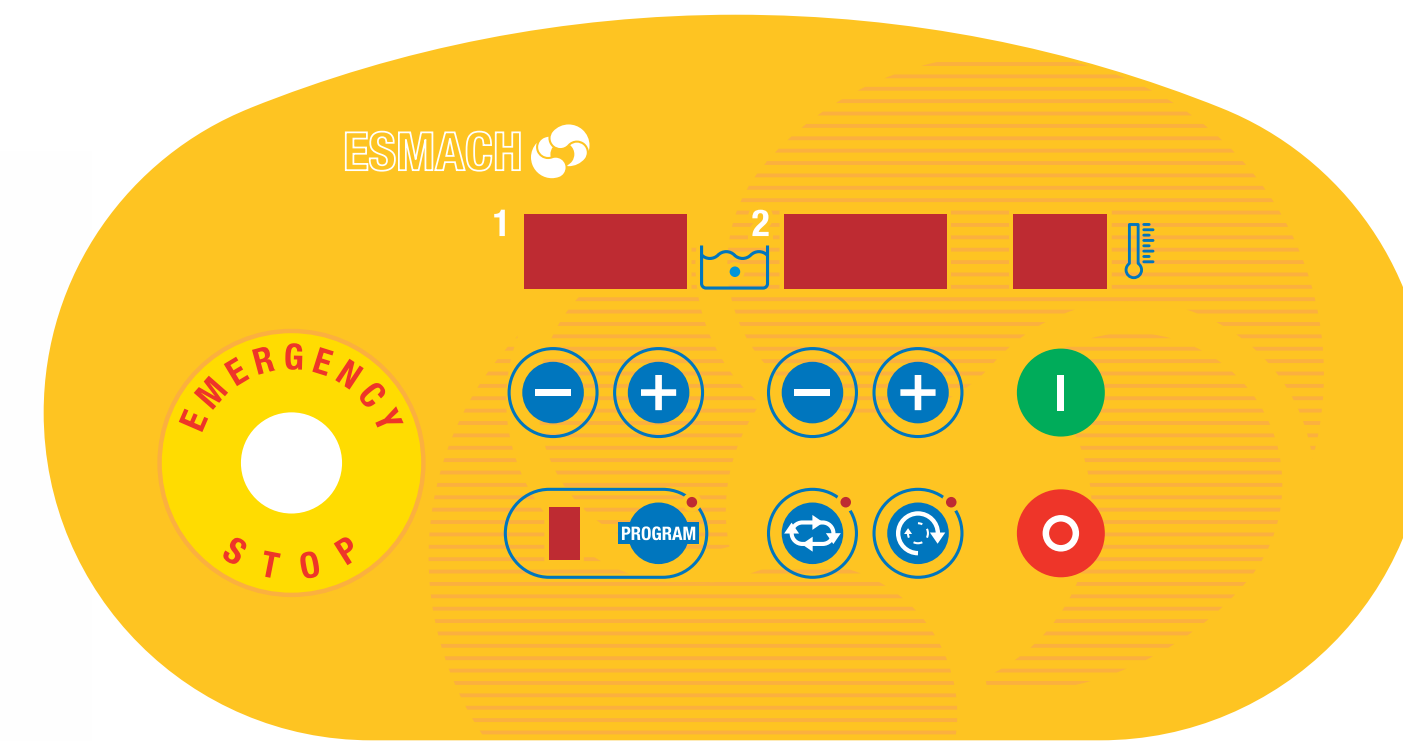


Innovative flat cover top in scratch-resistant ABS, divided in two sections:

A movable section which slides open for easy inspection and maintenance of the mechanics. Its shape is perfectly flat and, being located away from the bowl (processing area), small tools or ingredients used in the process can be placed on it, adding comfort to the operator. The raised sides of the cover top are designed to prevent items from falling off.

A fixed section, over the bowl, featuring the control panel which includes a functional and innovative command console. The console can be rotated 60° to the right and to the left providing best comfort also when space is an issue.

120°
Operating range



[Easy to operate control panel]

SAVE UP TO 9 RECIPES!

The control panel includes: command console, functional and innovative, which rotates to the left and to the right, with an operative range of 120°, providing best comfort and ergonomics, also when space is an issue.

With the keyboard panel in the membrane electronic version, you will select and monitor the working cycle in manual mode or automatically. You will be able to save up to 9 recipes.

OPTIONS

The electronic version may be supplied with the following accessories:

Water dispenser directly on the bowl with liter measurement markings, mixer manual temperature, temperature detected on display.

Detector for the dough temperature with infrared sensor, relevant screen display and option to stop the working process.

Dispenser for grainy ingredients (not available in the 30/45 kg dough model) with setting feeding time on the control panel.

Immersion temperature detector with external sensor.