

EQUIPMENT AND PROJECT PLANNING

Crab stick production line

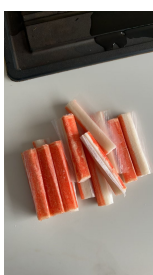
From prepared surimi to a formed, colored and wrapped product. YUKE Machinery brings together the processing stages around your product and your factory.



YUKE production equipment photographed for the product brochure. The final machine list is agreed for each project.

Start with the product you want to make

Product literature shows classic crab sticks, oblique-fiber and V-shaped products, and flower-cut formats. Filled-product options use an additional core-feed and forming arrangement. Different formats require different equipment combinations.



Classic sticks



Oblique-cut samples



Flower-cut pieces

Define the complete scope

Preparation, sheet forming, cooking, cutting, bundling and finishing are reviewed together. Final packing, freezing and site utilities are included only where the project proposal expressly specifies them.

This guide begins with prepared surimi. Equipment for converting whole fish into surimi is a separate scope.

THE MANUFACTURING PROCESS

Seven connected stages

The sequence is matched to the recipe and finished product. Use it to identify machine roles and the interfaces that need to be agreed.

01 Surimi preparation	Cut and mix surimi with the selected recipe ingredients. Coordinate the paste-feed arrangement with the continuous downstream equipment.
02 Sheet forming	Feed the prepared paste to the forming section and create a continuous sheet. Match the sheet format to cooking and subsequent texture-forming operations.
03 Cooking and cooling	Pass the sheet through the selected cooking arrangement, then cool and transfer it. YUKE literature shows steel-belt cooking equipment. Processing conditions follow the recipe and utilities.
04 Cutting and bundling	Divide the sheet into strands, gather the strands and form the bundle. Some product styles add pressing, oblique cutting, turning or ordering operations.
05 Coloring and wrapping	Apply the selected surface color and handle the film around the formed product. Confirm color application, film specification and sealing arrangements together.
06 Length cutting and packing	Cut to the agreed product length and transfer to the next operation. Individual wrapping and the final retail or foodservice pack are separate configuration decisions.
07 Downstream integration	Plan the transfer to freezing, storage and dispatch around the product and packing format. Identify any external equipment and the exact supply boundary.

Temperature, time, utility load and output are set for the agreed configuration and product trial. This overview is not a universal processing recipe.

SELECTING EQUIPMENT

Match each machine to its job

Forming	Sheet forming prepares paste for cooking. Later pressing or rolling shapes the bundled material. Filled products add a core-feed and forming arrangement.
Cutting and bundling	Strand cutting develops the layered texture. Oblique or patterned cutting changes the product appearance. Final length cutting portions the product for the next operation.
Coloring and wrapping	Color application, film handling, sealing and length cutting form a connected finishing section. Check the upstream handoff and final packing requirement.

Review the factory conditions

- Send a dimensioned drawing with doors, columns, access routes and existing equipment.
- Identify the available electrical supply, water, drainage and heating utilities.
- Allow access for ingredient movement, cleaning, inspection and routine maintenance.
- Describe downstream packing, freezing and storage equipment, including transfer heights and direction.

Upgrading an existing line

Provide the working width, infeed and discharge heights, operating speed and control arrangement of the existing machines. A replacement needs to connect with both the upstream material and the equipment that receives the product.

Agree the final specification

The proposal should state the machine list, configuration, interfaces and supply boundary. Installation dimensions, utility requirements, materials, controls and performance conditions are confirmed for the selected equipment. A single-machine specification does not describe the complete line.

INDIVIDUAL EQUIPMENT

Machine specifications

The values below describe individual machines. They are not the installed power, dimensions or output of a complete production line.

FCM-3011 - Crab stick pressing machine

Dimensions / weight	1300 x 500 x 1700 mm / 200 kg
Power / material	0.75 kW / SUS304 stainless steel
Controls	Siemens frequency inverter; Schneider Electric main electrical components

Presses two rolled sheets, each 170 mm wide and 1.2 mm thick, into a strip 30 mm wide and 8-10 mm thick; or one 260 mm-wide, 1.2 mm-thick rolled sheet into a 30 mm-wide, 10 mm-thick strip.

FCM-3025 - Oblique cutting and shaping

Dimensions / weight	2600 x 1100 x 1950 mm / 500 kg
Power / material	5 kW / SUS304 stainless steel
Controls	Siemens frequency inverter; Schneider Electric main electrical components

Cuts rectangular material at 25 degrees into flat parallelogram-shaped pieces, then shapes, turns and orders the pieces for the next process.

FCM-3013 - Coloring, wrapping and cutting

Dimensions / weight	1600 x 1000 x 1800 mm / 500 kg
Power / material	3 kW / SUS304 stainless steel
Controls	Siemens PLC, frequency inverter and servo motor; 10-inch touchscreen; Schneider Electric main electrical components

Combines coloring, film wrapping, heat sealing and length cutting. Confirm product dimensions, film and the upstream and downstream interfaces in the final proposal.

PREPARING YOUR INQUIRY

Build a useful quotation

Send the information below so that the equipment proposal can address your product, your site and the stages you need.

- Product sample or clear photographs, including the cross-section and desired texture.
- Product dimensions, color, intended shape and any filling requirement.
- Target hourly output and operating schedule, stated as project requirements.
- Individual wrapping and final pack format, with any available film information.
- Workshop drawing, available utilities and details of existing machines.
- Factory location, delivery destination and intended project schedule.

Compare quotations on the same basis

Compare equipment items, quantities, interfaces and included services. Identify transport, site work, installation, commissioning, operator training and spare parts separately. Confirm delivery, payment, warranty and support terms for the particular order.

Plan commissioning and ongoing support

Agree the product trial and acceptance checks before ordering. Discuss site preparation, installation responsibilities, operator familiarization and cleaning procedures. Ask which replacement parts should be kept locally and how technical support will be arranged.

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Based on YUKE product literature and equipment configuration materials reviewed in September 2026. Photographs show equipment and product examples; the agreed proposal defines the supplied configuration.