

# FLAKER SERIES



NIPPON CAREER  
FLAKER  
CATALOG

FLAKER

				
Model	F-103A	F-251A	F-253A	F-302A
Flaking system	Bridge knife/Cross-cut system			
Feeding system	Manual feeding via auxiliary table/ 45° inclined automatic pressurized system	Manual feeding via auxiliary table/horizontal pusher system		
Max. block dimensions	W400×H200×L550mm	W420×H220×L560mm	W420×H220×L650mm	W530×H250×L650mm
Min. temp. of materials used(core temp.)	-10°C	-10°C	-20°C	-10°C
Flaking dimensions	67.5 (W) × 3/4/5/6/7/8 (liner adjustments) (t) mm	72(W) × 3·4·5·6·7·8 (liner adjustments)(t) mm		67.5(W) × 3·4·5·6·7·8 (liner adjustments)(t) mm
Hourly output (theoretical)	1200~2400kg/h	750~2000kg/h	800~1500kg/h	1300~3000kg/h
Drive (3phase 200V)	For cutter:2.2kW (with brake)	For cutter:3.7kW (with brake) For compressor:0.2kW	For cutter: 5.5kW (with brake)	4P×5.5kW (with brake) For compressor:0.4kW
Cutter rpm	119.4/121.1rpm (50/60Hz)	168.2/165.8rpm (50/60Hz)	144/145rpm (50/60Hz)	215.9/218.2rpm (50/60Hz)
Block input height	795mm	779mm	778mm	832mm
Ejection port height	260mm	580mm	611mm	580mm
Ejection port dimensions	W403×L336mm	W400×L231mm	W415×L327mm	W400×L261mm
Dimensions	W933×L1510×H1191mm	W1215×L2111×H1177mm	W1429×L2154×H1331mm	W1425×L2173×H1203mm
Weight	420kg	650kg	790kg(excl. work bench)	880kg



Challenging "Perfection"  
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Please be aware that product specifications may be changed without notice in order to improve product performance.

Ver.2022.11



F-253A

**FLAKER**  
F-103A / F-251A / F-253A / F-302A

# A New Standard in the Intermediate Processing of Frozen Material

Compatible frozen materials: Meat, fish, fruit, vegetables, butter, and cheese, as well as industrial products and medical materials.

Nippon Career's series of flakers achieve top level product quality, safety, and hygiene.

Now offering a model able to handle temperatures down to -20°C, Nippon Career flakers support any and all materials.

## No need to thaw means increased efficiency

- Cut materials as cold as -20° C without thawing (F-253A).

## Greatly improved safety

- Feeding port equipped with safety guard/auxiliary table. Safety and work efficiency during material input increased via separation of operation from cutting area (F-103A). Brake motor also activates when top and front cover are open to instantly stop rotor (F-251A /253A, F-302A).



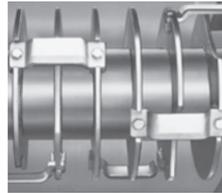
Top/front cover equipped with safety devices

## Superb hygienity

- Simple design, including leg height and use of cylindrical steel pipe, ensures easier cleaning of both machine and floor (F-253A). Cutter rotor axis is also cylindrical to keep cleaning area to a minimum (F-103A, F-253A).

## High efficiency cross-cut system

- With Nippon Career's cross-cut system, knife edges are arranged to provide lapping action, drastically improving cutting efficiency (all models).
- Adjustable liner enables cutting thickness to be changed from 3 ~8mm (all models).

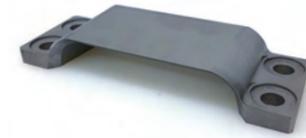


Cross-cut system

## No Thawing Needed, Even for Materials at -20° C Perfect for a Broad Range of Uses

Even further improved bridge knives achieve cutting of frozen material at -20°C. (F253-A)

Bridge knives with edges strengthened in terms of width and thickness as well as a more rigid rotor and powerful motor make it possible to cut frozen materials at -20° C. In addition to saving the labor involved in material thawing, Nippon Career flakers enable processing of harder materials, drastically increasing efficiency and product value.



## Connection to a Vertical Conveyor Achieves Smooth Transport of Material to the Next Process

Nippon Career vertical conveyors achieve space saving production lines through the transportation of material in the shortest vertical distance (all models).

Connecting a Nippon Career flaker to a vertical conveyor makes it possible to transport material in the shortest possible distance to the next process in line. Cut pieces never touch human hands, maintaining hygienity and preventing unnecessary material temperature increases while also securing more work space.



## Flaker Lineup Four choices to suit your purposes.

### Smallest machine in series

Perfect for small scale/specialty shops

- Automatic pressurization
- Cross-cut system
- Brake motor
- All stainless steel
- Connectable to vertical conveyor\*

## F-103A



\* (optional)

- Compact and low price.
- Improved safety when feeding material.
- Improved hygienity.

### Popular high performance model

High functionality and low price

- compressed air pressurization
- Cross-cut system
- Brake motor
- All stainless steel
- Connectable to vertical conveyor

## F-251A



- A model with excellent features and value.
- Automatic hatch opens and closes with material feeding operation.
- Detachable pusher ensures easy cleaning.

### Handles materials as cold as -20°C

Able to process blocks up to 650mm long

- compressed air pressurization
- Cross-cut system
- Brake motor
- All stainless steel
- Connectable to vertical conveyor

## F-253A



- Able to process frozen materials as cold as -20°C.
- Automatic hatch opens and closes with material feeding operation and can be fully opened for cleaning.
- Detachable pusher ensures easy cleaning.
- Clean and open leg design improves hygienity.

### Easy block feeding

Able to process blocks up to 250mm tall

- compressed air pressurization
- Cross-cut system
- Brake motor
- All stainless steel
- Connectable to vertical conveyor

## F-302A



- Automatic hatch opens and closes with material feeding operation and can be fully opened for cleaning.
- Detachable pusher ensures easy cleaning.