

**ULTIMATE
CUTTING
EXPERIENCE**
**SINCE
1918**



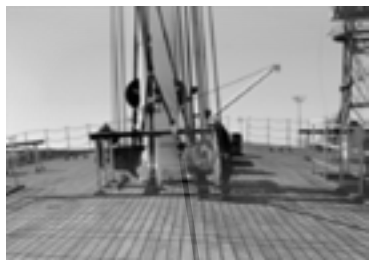
Kallion Konepaja and KARA saws

Kallion Konepaja Oy is a Finnish manufacturer of small-scale sawmills and the global market leader in single-blade circular sawmills. Our brand, KARA, is known in some 70 countries. Our product range includes circular sawmills as well as edging and crosscut saws, sharpening machines, conveyors and entire sawmill plants.

Our operating concept is to manufacture safe, ergonomic and high-quality sawmill machines that make customers more profit and yield. By understanding our customers' needs we can provide products that help them succeed.

Our machines are designed for every kind of climate, can handle a vast variety of timber, soft and hard wood species and will fulfill reprocessing needs. We also develop individual sawmill machine solutions. We invest in customer service, which naturally includes maintenance and guidance. We want our customers to feel that they receive more than just a product.

Our company has decades of experience in small-scale sawmills and sawmill plants.



KARA on a global scale

It all began when Kallion Konepaja produced the first circular sawmill in 1918. A small-scale operation expanded into a global business. The products were systematically developed and, over the years, the product range has expanded. Today, the majority of KARA products are exported. KARA sawing machines are in use everywhere, from the taigas of

Siberia to the plantations of Australia. Our company has more than 20 expert distributors throughout the world. Many of them are small-scale sawing professionals. For distributor contact information, please visit www.kara.fi



Why choose a KARA product?

Versatility

A single machine for every work phase: cutting the log, breaking the block, resawing and edging. Every log can be processed individually and according to grading. Thin kerf of 4.6mm (03/16in) makes the profit and yield for a sawyer, even with mobile unit. Every kind of wood species sawed around the world from Australian hardwood to Scandinavian coniferous softwood.

Accuracy

An effective feeding roller and reliable size adjuster: a combination that creates high accuracy, appearance grade lumber and dimensioned sawn lumber. Tolerance +/- 1mm (03/64' in). All these features combined reduces the need of planing i.e. furniture and cabinet makers. Metering device dimension from 13mm to 400 mm (33/64' in to 15 3/4' in) also with inch scale.

Efficiency

Fast and easy to use. For handling timber, a log adjuster with rotator, automatic block aligner and slab conveyor. For fastening the log, the choice of a mechanical or hydraulic log fastener. These options will give yield per log up to 70%. Output with one man saw unit up to 4300m/14000 ft of lumber daily.

Safety

Safety is inherent in the design of our products. Hydraulic equipment for the heavy stages of work. Versatile equipment for single-handed operation. All our equipment are manufactured according to CE (Conformité Européenne) standard for sawmill machines.

**SAWMILLS
SAWS
INDUSTRIAL
MACHINES
CONVEYORS
ACCESSORIES**

Ergonomics

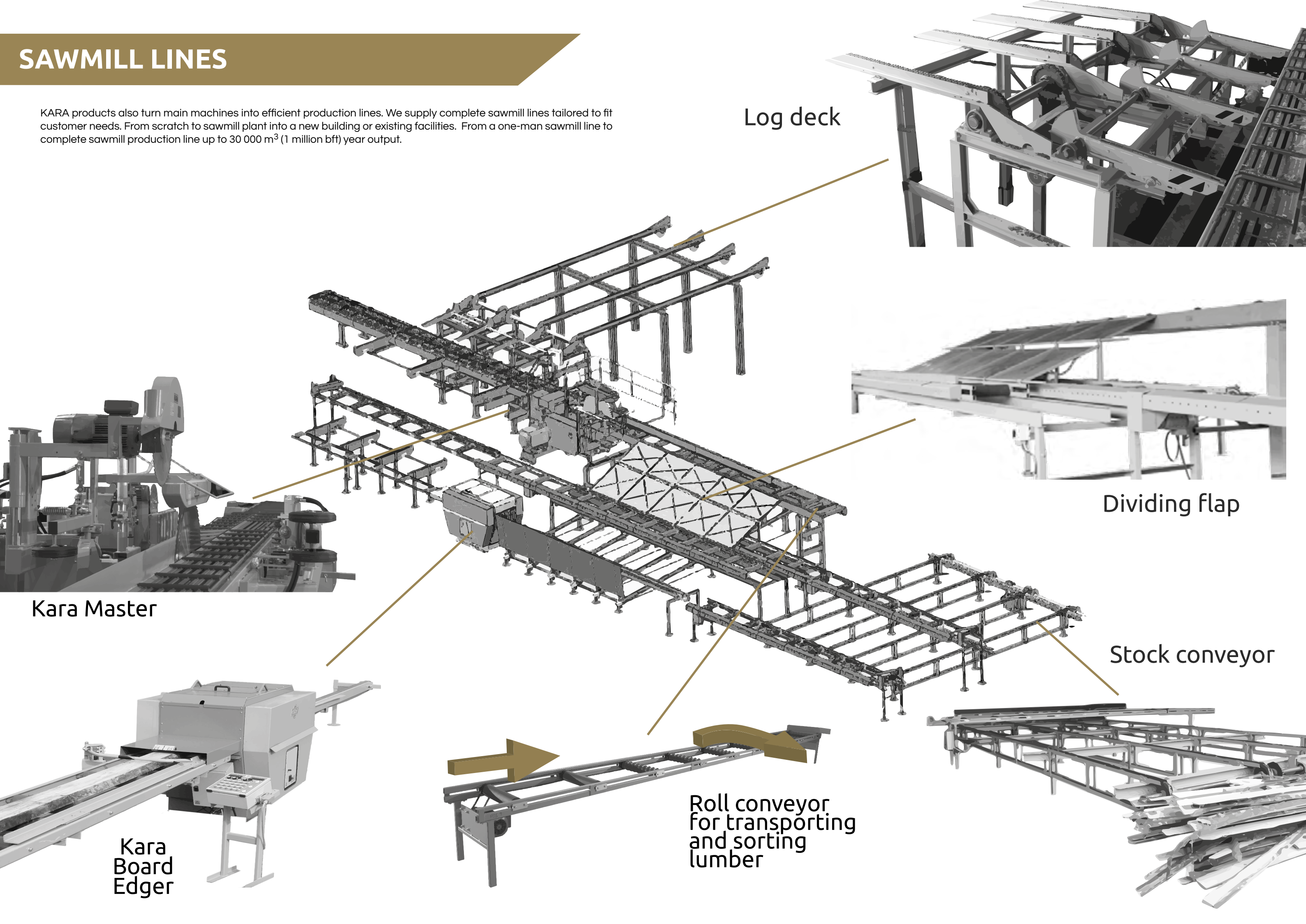
Good, balanced working posture. All control levers within reach of the operator. Designed in cooperation with Oulu University.

Uniqueness

Our products are ideally suited for both the production of specialized sawn goods as well as for specialty sawing methods. They always tailored to meet customers individual needs.

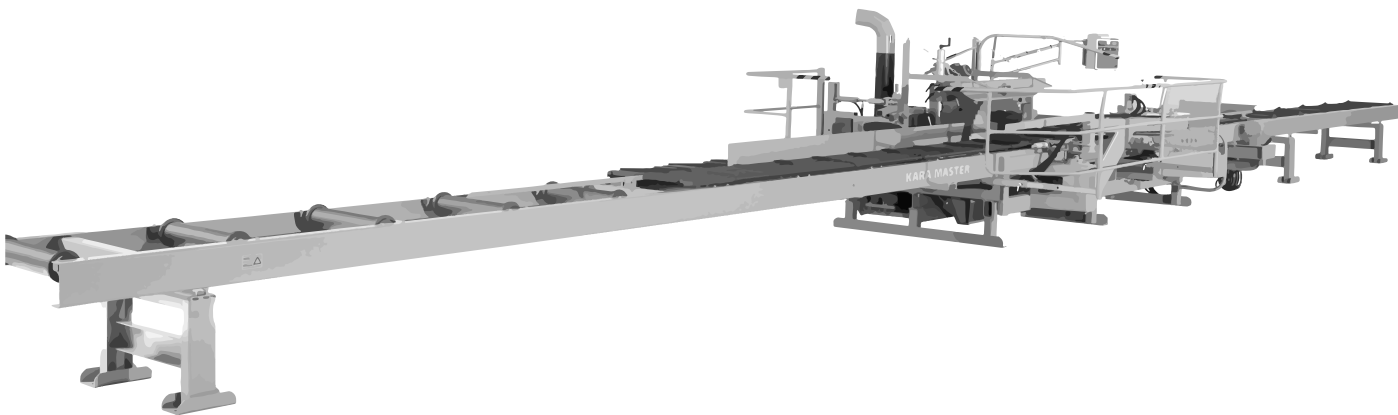
SAWMILL LINES

KARA products also turn main machines into efficient production lines. We supply complete sawmill lines tailored to fit customer needs. From scratch to sawmill plant into a new building or existing facilities. From a one-man sawmill line to complete sawmill production line up to 30 000 m³ (1 million bft) year output.



CIRCULAR SAW, MASTER

It is number one in efficiency. Master for high capacity professional sawmilling. Leading technology in sawing ergonomics and productivity. The robust structure ensures minimal maintenance costs and increases production time. An aligning double-feeding roller and load-sensitive hydraulics make the Master exceptional.



TECHNICAL DATA

Table, through running
9 m
(29 ft) length

KERF
3,2 mm to 5,2 mm
1/8 in to 13/64 in

Blade diameter
800 mm to 1200 mm
(31 in to 47 in)

Electric and programmable
size adjuster KARA LS460
13-300 mm
(1/2 in to 12 in)
20 dimensions on 6 pages
+ kerf dimensions

Feed speed
Stepless
0 – 140 m/min
(up to 459 ft/min)



Max log size
length 11 m
diameter 65 cm
(length 36 ft diameter 2 ft)

Measurements and weight:
Master 6.8 m (22 ft) x 2.2 m (7 ft) x 1.8 m (5,10 ft)
Weight 4000 kg (8818 lb)
(Master-Y for transportation 3800 kg/8378 lb)

Hydraulics:
Double pump. Tank volume 105 l.
Hydraulic pilot operation with load sensing
hydraulics for table feed and feeding roll

Cutting height
395 mm for 1000 mm blade
(15 in for 39 in)

CIRCULAR SAW, F2000

KARA F2000 and KARA F2000 Mobil are circular sawmills for professional use. A stationary and mobile model, also with accessories for one-man operation. Circular sawmill for professional use. Reliable and advantageous basic sawmill. Suitable for professional use as part of an efficient sawmill line or independent unit. Electric or tractor drive, mobile or stationary models available.

TECHNICAL DATA

Table, through running
8 m
(26 ft) length

KERF
3,2 mm to 5,2 mm
1/8 in to 13/64 in

Blade diameter
700 mm to 1100 mm
(27 in to 43 in)

Feed speed
Stepless
0 – 125 m/min
(up to 410 ft/min)

Size adjuster mechanical
16-300 mm
(5/8 in - 12 in), 19 dimensions
Electro-mechanical 13 – 300 mm
(1/2 in to 12 in),
120 dimensions (+ kerf)

Cutting height
385 mm for 1000 mm blade
(15 in for 39 in)



Max log size
length 10 m
diameter 55 cm
(length 32 ft diameter 1.665 ft)

Recommended power supply:
Electric motor 37 kW, 1500 rpm
Tractor/powerpack engine 50 kW

Measurement and weights:
F2000 5.9 m (19,4 ft) x 2.25 m (7 ft) x 1.7 m (5,6 ft).
For transportation
Weight 3000 kg (6613lb)

F2000 Mobil 9.4 m (30,10 ft) x 2.25 m (7 ft) x 1.85 m (6 ft).
Weight 3300 kg (7275 lb)
Hydraulics:
Double pump.
Tank volume 65 l





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