NISULA

THE FUTURE OF EFFICIENT LOGGING

HARVESTER HEADS

MULTI-PURPOSE HARVESTER HEADS

NISULA

NISULA HARVESTER HEADS AND MULTI-PURPOSE HARVESTER HEADS

Tens of thousands of hours of work in practice – that's how all Nisula products are created.
The functionalities of the Nisula harvester heads make logging easy and efficient.
The Nisula harvester heads are characterised by high-quality manufacturing, materials and components.

SPECIAL DETAILS OF THE NISULA HARVESTER HEADS

- The structures are straightforward and made of high-strength steel.
- Special filler metals designed for high-strength steel are used in welding.
- The shaft sleeves are made of tempered steel and the shafts of surface hardened tempered steel.
- The components are painted with wear-resistant powder coating.
- The cylinders of the head do not move lengthways, which minimises the movements of the hoses and thereby the risk of damage.
- The design of the saw casing helps the operator find the correct cut-off point and reduces the risk of the saw hitting the ground and thereby saw chain and saw bar costs.
- The accurately measured position of the saw maximises the utilisation of the saw bar, allowing a comparatively larger cut-through diameter and minimised movement of the saw bar.
- The additional delimbing knives located in the centre section of the harvester head and below the stem or the grapple arms of the C-model provide an exceptional triangular support for the stem while it is being processed. Thanks to this property, also extra-large stems are kept in a tight grip, and the risk of the saw bar being damaged during the felling phase is reduced significantly.
- The triangular structure improves the measurement accuracy in the delimbing and processing phases. The processing is also easier and faster.
- The straightforward structure and carefully designed hosing and component assembly allow easy maintenance.

X

The **X-series** is made for forest harvesting activities where traction and power are needed. All models come equipped with four traction motors and three feed rollers. The X-Series grapple is equipped with one fixed and four moving delimbing blades.

H

The **H-model** harvester heads offer you a productive alternative for operations ranging from delimbed energy wood processing to light final felling.

C

The multi-purpose **C-model** harvester heads equipped with grapple arms offer you properties that you haven't been able to even imagine.

755X

NISULA 755X

PRODUCTIVITY BASED ON RELIABILITY

The new Nisula 755X is purpose-built for thinning dense forest and final felling. Thanks to its ingenious design and high-quality production materials, this new harvester head is reliable, easy to service, and guaranteed to maximize uptime and productivity. All unnecessary extras have been omitted. The new 755X exemplifies the trusted Nisula seal of quality.

The 755's input power is sufficient. This is handled by two 800cm^3 and two 500cm^3 traction motors. The grip force of the feed rollers and the delimbing knives are proportionally controlled and even the toughest tree stems are held firmly in place. Together with the powerful Nisula NSU saw, these features make handling tree stems easy.

THE SPECIFICATIONS THAT MAKE CHOOSING A HARVESTER HEAD EASY

- High-strength steel frame
- Ease of serviceability, simple design
- Entirely new hydraulics for 200-280 l/m flow
- New length measuring package:
  including hydraulic lifting of the measuring wheel & touchless sensors
- New diameter measurement function: back-lash free transmission & touchless sensors
- All-new, efficient Nisula NSU saw assembly with a 30cm^3 saw motor (Parker)
- Bolt-mounted saw casing equipped with blade lubrication tank and pump

NISULA 755X

USES

- More extensive thinning
- Final felling

SUITABLE BASE MACHINES

- Harvesters, 18+ t
- Excavators, 16-23 t

TECHNICAL DATA

Weight, kg	1,380-1,420
Clean delimbing Ø, mm	480
Single-cut Ø, mm (1 stem)	750
Number of delimbing knives	4+1
Opening of front knives, mm	690
Opening of feed rollers, mm	685
Opening of additional knives, mm	780
Width in delimbing position, mm (open/closed)	1,650/1,205
Operating pressure, bar	240
Required oil flow, l/m	200-280

CONTROL SYSTEM ALTERNATIVES

Nisula NCU3 with volume measurement function
Nisula NCU3i with volume measurement function + priority scaling function
Nisula NCU3X with volume measurement function + value scaling function + data transfer facility

Dasa Forester
Technion
Valmet/Komatsu Maxi

Compatibility with most common measuring devices (coming soon!)

ACCESSORIES

- Saw control
- Automatic chain adjuster
- Colour marking
- Stump treatment facility

325H

NISULA 325H

NUMBER ONE IN LIGHT HARVESTER HEADS

Nisula 325H is a harvester head that is especially suitable for first thinning and delimbed energy wood processing. It is light and easy to use, making work fast and effortless. The head is equipped with one fixed and three moving delimbing knives.

The spring-loaded blades of the basic model automatically follow the contours of the tree stem during delimbing. With normal stem forms, this is the easiest-to-use solution for the operator, as well. If the conditions require, the front knives can be equipped with cylinders. The cylinders allow the opening of the front knives during feeding. This property is necessary if the tree stems are crooked or if the amount of hardwood to be processed at the site is significant.

DETAILS THAT MAKE NISULA AN OBVIOUS CHOICE FOR A HARVESTER HEAD

1. The head is extremely easy to maintain. All the grease points can be handled with the head in one position.
2. Actuating cylinders for the front blades are available as accessories.
3. The cylinders of the head do not move lengthways, which minimises the movements of the hoses and thereby the risk of damage.
4. The saw control system and the automatic chain adjuster available as accessories enhance efficiency and decrease chain/saw bar costs.

NISULA 325H

USES

- First thinning
- Delimbed energy wood processing

SUITABLE BASE MACHINES

- Light harvesters
- Farm tractors equipped with an adapter sleeve mounted crane
- Light forwarders with head change facility
- Lighter than 8-ton excavators

TECHNICAL DATA

Weight, kg	285
Single cut Ø, mm	340
Number of delimbing knives	3+1
Clean delimbing Ø, mm	240
Operating pressure, bar	190

CONTROL SYSTEM ALTERNATIVES

Nisula NCU2	with length measurement function
Nisula NCU3LITE	with length and diameter measurement function
Nisula NCU3	with volume measurement function
Nisula NCU3i	with volume measurement function + priority scaling function
Nisula NCU3X	with volume measurement function + value scaling function + data transfer facility

- **Technion**
- **Dasa Forester**
- **Motomit IT**

ACCESSORIES

- Stump treatment facility
- Cylinders for the front knives
- Saw control
- Diameter measurement sensor
- Automatic chain adjuster

425H

NISULA 425H

IDEAL WEIGHT/EFFICIENCY RATIO FOR THINNING

Nisula 425H is a thinning harvester head equipped with additional knives. The harvester head processes the stem in a controlled manner. A new type of head control improves the speed and accuracy of the process.

New stronger driver motors increase the feeding capacity by 20% compared with the previous model. New machined front knives offer improved delimbing efficiency and durability The additional knives of the new Nisula 425H also increase productivity, something that harvester heads in the same weight category are not able to achieve. The additional knives also allow a larger delimbing diameter. 425H is a most suitable choice for thinning.

DETAILS THAT MAKE NISULA AN OBVIOUS CHOICE FOR A HARVESTER HEAD

1. The head is extremely easy to maintain. All the grease points can be handled with the head in one position. The cylinders of the head do not move lengthways, which minimises the movements of the hoses and thereby the risk of damage.
2. The saw control system and the automatic chain adjuster available as accessories enhance efficiency and decrease chain/saw bar costs.

3. The additional delimbing knives located in the centre section of the harvester head and below the stem provide an exceptional triangular support for the stem while it is being processed. Thanks to this function, also extra-large stems are kept in a tight grip.
4. The triangular support structure also facilitates the processing of the stem and improves measurement accuracy.
5. The additional knives located near the feed rollers facilitate the delimbing of crooked stems. If necessary, the head can be slid past the crooks with the front knives open without losing grip of the stem or delimbing efficiency.

NISULA 425H

USES

- Thinning
- Delimbed energy wood processing

SUITABLE BASE MACHINES

- Light harvesters
- Farm tractors equipped with an adapter sleeve mounted crane
- Light forwarders with head change facility
- Lighter than 12-ton excavators

TECHNICAL DATA

Weight, kg	410
Clean delimbing Ø, mm	320
Single cut Ø, mm (1 stem)	425
Number of delimbing knives	4+1
Opening of front knives, mm	430
Opening of additional knives, mm	580
Width in delimbing position, mm (open/closed)	1100/940
Height in delimbing position, mm	880
Height in felling position, mm	880
Operating pressure, bar	210
Required oil flow, l/m	120-150

CONTROL SYSTEM ALTERNATIVES

Nisula NCU3LITE with length and diameter measurement function

Nisula NCU3 with volume measurement function

Nisula NCU3i with volume measurement function + priority scaling function

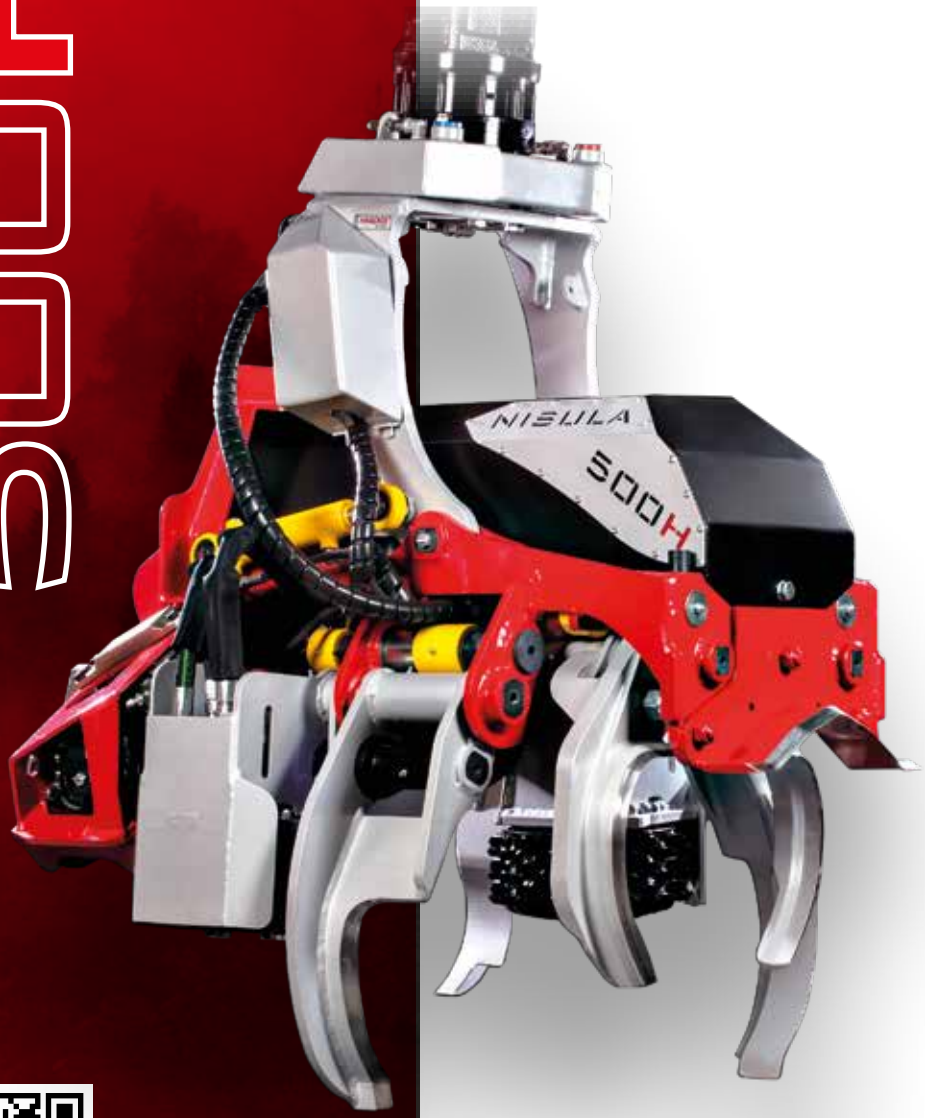
Nisula NCU3X with volume measurement function + value scaling function + data transfer facility

- **Technion**
- **Dasa Forester**
- **Motomit IT**

ACCESSORIES

- Saw control
- Automatic chain adjuster
- Colour marking
- Stump treatment facility

500H



NISULA 500H

GENERAL-PURPOSE HARVESTER HEAD FOR THINNING AND FOR THE FINAL FELLING OF SMALL-STEM STANDS

500H is a powerful alternative for even late thinning and for final felling of small-stem stands. The physical dimensions are suitable for a thinning head, and, thanks to high-quality materials, the weight is also low, only 640 kg. 500H is equipped with additional knives that make the processing of large stems effortless. The additional knives also increase productivity, something that harvester heads in the same weight category are not able to achieve.

The NCU3 control system adjusts the grip force to the size of the stem being processed. When larger trees are felled and heavier stems processed, the additional knives together with the front and rear knives and the roll cylinder apply a stronger grip force to the stem. When feeding starts, the grip force is reduced gradually to minimise friction. The control system has a diameter limit set for reducing the grip force. If necessary, the settings can be adjusted via the control system, but usually the harvester head works best with the standard settings.

DETAILS THAT MAKE NISULA AN OBVIOUS CHOICE FOR A HARVESTER HEAD

1. The head is extremely easy to maintain. All the grease points can be handled with the head in one position.
2. The cylinders of the head do not move lengthways, which minimises the movements of the hoses and thereby the risk of damage.
3. The saw control system and the automatic chain adjuster available as accessories enhance efficiency and decrease chain/saw bar costs.
4. Machined front knives offer improved delimbing efficiency and durability
5. The additional knives located in the centre section of the harvester head and below the stem provide an exceptional triangular support for the stem while it is being processed. Thanks to this function, also extra-large stems are kept in a tight grip.
6. The triangular support structure also facilitates the processing of the stem and improves measurement accuracy.
7. The additional knives located near the feed rollers facilitate the delimbing of crooked tree stems. If necessary, the head can be slid past the crooks with the front knives open without losing grip of the stem or delimbing efficiency.

NISULA 500H

USES

- Thinning
- Delimbed energy wood processing
- Light final felling

SUITABLE BASE MACHINES

- Medium-heavy harvesters
- 14-16 ton excavators

TECHNICAL DATA

Weight, kg	640
Clean delimbing Ø, mm	430
Single cut Ø, mm (1 stem)	500
Number of delimbing knives	5+1
Opening of front knives, mm	500
Opening of additional knives, mm	720
Width in delimbing position, mm (open/closed)	1200/980
Height in delimbing position, mm (open/closed)	1250/1050
Height in felling position, mm	1120
Operating pressure, bar	210-230
Required oil flow, l/m	140-180

CONTROL SYSTEM ALTERNATIVES

Nisula NCU3LITE with length and diameter measurement function

Nisula NCU3 with volume measurement function

Nisula NCU3i with volume measurement function + priority scaling function

Nisula NCU3X with volume measurement function + value scaling function + data transfer facility

- **Technion**
- **Valmet / Komatsu Maxi**
- **Motomit IT**

ACCESSORIES

- Saw control
- Automatic chain adjuster
- Colour marking
- Stump treatment facility

555H

NISULA 555H

MORE POWER AND PROPERTIES FOR THINNING AND FOR THE FINAL FELLING OF SMALL-STEM STANDS

The New-generation Nisula 555H harvester head offers unique properties for thinning and final felling of small-stem stands. The manufacturing quality and materials of this harvester head represent the standard that Nisula is known for. Considering its properties, 555H is exceptionally light, only 810-840 kg, depending on the equipment.

555H offers numerous new details: entirely new hydraulics for heavy flows, efficient Nisula NSU saw assembly, bolt-mounted saw casing equipped with a blade lubrication tank, and patented Nisula Goldfinger guillotine cut function. This harvester head has properties that significantly improve cost efficiency.

The NCU3 control system adjusts the grip force to the size of the stem being processed. When larger trees are felled and heavier stems processed, the grapple arms apply a stronger grip force to the stem. When feeding starts, the grip force is reduced to minimise friction. The control system has a diameter limit set for reducing the grip force. The grip force of the additional blade is controlled proportionally. If necessary, the settings can be adjusted via the control system, but usually the harvester head works best with the standard settings.

DETAILS THAT MAKE NISULA AN OBVIOUS CHOICE FOR A HARVESTER HEAD

1. Entirely new hydraulics for 150-250 l/m flow
2. New length measurement package; hydraulic lifting of the measuring wheel, touchless sensors
3. New diameter measurement function; free-from-play intermediation, touchless sensors
4. Patented Nisula Goldfinger guillotine cut function
5. Entirely new, efficient Nisula NSU saw assembly with a 19 cm3 saw motor (Parker)
6. Bolt-mounted saw casing equipped with a blade lubrication tank and pump

NISULA 555H

USES

- Thinning
- Delimbed energy wood processing
- Light final felling

SUITABLE BASE MACHINES

- Medium-heavy harvesters
- 14-18 ton excavators

TECHNICAL DATA

Weight, kg	810-840
Clean delimbing Ø, mm	430
Single cut Ø, mm (1 stem)	550
Number of delimbing knives	5+1
Opening of front knives, mm	500
Opening of feed rollers, mm	585
Opening of additional knives, mm	720
Width in delimbing position, mm (open/closed)	1350/1090
Height in felling position, mm	1350
Operating pressure, bar	200-240
Required oil flow, l/m	150-200

CONTROL SYSTEM ALTERNATIVES

Nisula NCU3LITE with length and diameter measurement function

Nisula NCU3 with volume measurement function

Nisula NCU3i with volume measurement function + priority scaling function

Nisula NCU3X with volume measurement function + value scaling function + data transfer facility

- **Technion**
- **Dasa Forester**
- **Valmet / Komatsu Maxi**
- **Motomit IT**
- **JD/Waratah Timberrite**

ACCESSORIES

- Saw control
- Automatic chain adjuster
- Colour marking
- Stump treatment facility
- Nisula Goldfinger guillotine cut function

425C

NISULA 425C

MORE PROPERTIES TO ENHANCE HARVESTING OPERATIONS

Nisula 425C is a multi-purpose harvester head equipped with grapple arms that make the processing and sorting of timber effortless. The NCU3 control system adjusts the grip force to the size of the stem being processed, enabling a firm grip during felling, feeding and processing operations. In Combi-machine use, the separate grapple arms also allow loading without changing the head.

When larger trees are felled and heavier stems processed, the grapple arms apply a strong grip force to the stem. When feeding starts, the grip force is reduced to minimise friction. The control system has a diameter limit set for the utilisation of the grapple arms during harvesting operations. If necessary, the settings can be adjusted via the control system, but usually the harvester head works best with the standard settings. New stronger driver motors increase the feeding capacity by 20% compared with the previous model. New machined front knives offer improved delimbing efficiency and durability as well as a larger delimbing diameter compared with the previous C-model. 425C offers additional properties for thinning.

DETAILS THAT MAKE THE C SERIES HARVESTER HEAD UNIQUE

1. The head is extremely easy to maintain. All the grease points can be handled with the head in one position. The cylinders of the head do not move lengthways, which minimises the movements of the hoses and thereby the risk of damage.
2. The grapple arms located in the centre section of the harvester head and below the stem provide an exceptional triangular support for the stem while it is being processed. Thanks to this function, also extra-large stems are kept in a tight grip.
3. The triangular support structure also facilitates the processing of the stem and improves measurement accuracy.

4. The grapple arms located near the feed rollers facilitate the delimbing of crooked stems. If necessary, the head can be slid past the crooks with the front knives open without losing grip of the stem or delimbing efficiency.
5. The grapple arms make the head extremely versatile. For example, forked and fallen trees are processed without difficulty. The grapple arms make it easy to pick up the stem with the right grip for processing, which significantly reduces the risk of damaging the knives and the feed rollers.

NISULA 425C

USES

- Thinning
- Delimbed energy wood processing
- Combi-machine use

SUITABLE BASE MACHINES

- Light harvesters
- Farm tractors equipped with an adapter sleeve mounted crane
- Forwarders in combi-machine use
- Lighter than 12-ton excavators

TECHNICAL DATA

Weight, kg	425
Clean delimbing Ø, mm	300
Single cut Ø, mm (1 stem)	425
Number of delimbing knives	2+1
Opening of front knives, mm	430
Opening of grapple arms, mm	920
Width in delimbing position, mm (open/closed)	1100/940
Height in delimbing position, mm	880
Height in felling position, mm	880
Operating pressure, bar	210
Required oil flow, l/m	120-150

CONTROL SYSTEM ALTERNATIVES

Nisula NCU3LITE with length and diameter measurement function

Nisula NCU3 with volume measurement function

Nisula NCU3i with volume measurement function + priority scaling function

Nisula NCU3X with volume measurement function + value scaling function + data transfer facility

- **Technion**
- **Dasa Forester**
- **Motomit IT**

ACCESSORIES

- Saw control
- Automatic chain adjuster
- Colour marking
- Stump treatment facility

500C

NISULA 500C

MORE PROPERTIES TO ENHANCE HARVESTING OPERATIONS

500C is a powerful alternative for late thinning and for the final felling of small-stem stands. The physical dimensions are suitable for a thinning head, and, thanks to high-quality materials, the weight is also low, only 650 kg. Nisula 500C is a multi-purpose harvester head equipped with grapple arms that make the processing and sorting of timber effortless. The NCU3 control system adjusts the grip force to the size of the stem being processed, enabling a firm grip of the stem during felling, feeding and processing operations. In combi-machine use, the separate grapple arms also allow loading without changing the head.

When larger trees are felled and heavier stems processed, the grapple arms together with the front and rear knives and the roll cylinder apply a stronger grip force to the stem. When feeding starts, the grip force is reduced gradually to minimise friction. The control system has a diameter limit set for reducing the grip force. If necessary, the settings can be adjusted via the control system, but usually the harvester head works best with the standard settings.

DETAILS THAT MAKE THE C SERIES HARVESTER HEAD UNIQUE

1. The head is extremely easy to maintain. All the grease points can be handled with the head in one position.
2. The cylinders of the head do not move lengthways, which minimises the movements of the hoses and thereby the risk of damage.
3. The saw control system and the automatic chain adjuster available as accessories enhance efficiency and decrease chain/saw bar costs.
4. Machined front knives offer improved delimbing efficiency and durability
5. The grapple arms located in the centre section of the harvester head and below the stem provide an exceptional triangular support for the stem while it is being processed. Thanks to this function, also extra-large stems are kept in a tight grip.
6. The triangular support structure also facilitates the processing of the stem and improves measurement accuracy.
7. The grapple arms located near the feed rollers facilitate the delimbing of crooked stems. If necessary, the head can be slid past the crooks with the front knives open without losing grip of the stem or delimbing efficiency.
8. The grapple arms make the head extremely versatile. For example, forked and fallen trees are processed without difficulty. The grapple arms make it easy to pick up the stem with the right grip for processing, which significantly reduces the risk of damaging the knives and the feed rollers.

NISULA 500C

USES

- Thinning
- Delimbed energy wood processing
- Light final felling
- Combi-machine use

SUITABLE BASE MACHINES

- Medium-heavy harvesters
- Medium-heavy and heavy forwarders in combi-machine use
- 14-16 ton excavators

TECHNICAL DATA

Weight, kg	650
Clean delimbing Ø, mm	320
Single cut Ø, mm (1 stem)	500
Number of delimbing knives	3+1
Opening of front knives, mm	500
Opening of grapple arms, mm	1150
Width in delimbing position, mm (open/closed)	1350/980
Height in delimbing position, mm (open/closed)	1250/1050
Height in felling position, mm	1120
Operating pressure, bar	210-230
Required oil flow, l/m	140-180

CONTROL SYSTEM ALTERNATIVES

Nisula NCU3LITE with length and diameter measurement function

Nisula NCU3 with volume measurement function

Nisula NCU3i with volume measurement function + priority scaling function

Nisula NCU3X with volume measurement function + value scaling function + data transfer facility

- **Technion**
- **Valmet / Komatsu Maxi**
- **Motomit IT**

ACCESSORIES

- Saw control
- Automatic chain adjuster
- Colour marking
- Stump treatment facility

555C

NISULA 555C

MORE POWER AND PROPERTIES FOR THINNING AND FOR THE FINAL FELLING OF SMALL-STEM STANDS

The new 555C is a multi-purpose harvester head equipped with grapple arms that make the processing and sorting of timber effortless. In Combi-machine use, the separate grapple arms also allow loading without changing the head. The manufacturing quality and materials of the head represent the standard that Nisula is known for. Considering its properties, the head is exceptionally light, only 810-840 kg, depending on the equipment.

555C offers numerous new details: completely new hydraulics for heavy flows, efficient Nisula NSU saw assembly, bolt-mounted saw casing equipped with a blade lubrication tank, and patented Nisula Goldfinger guillotine cut function. This harvester head has properties that significantly improve cost efficiency.
The NCU3 control system adjusts the grip force to the size of the stem being processed. When larger trees are felled and heavier stems processed, the grapple arms apply a strong grip force to the stem. When feeding starts, the grip force is reduced to minimise friction. The control system has a diameter limit set for reducing the grip force. The grip force of the grapple arms is controlled proportionally. If necessary, the settings can be adjusted via the control system, but usually the harvester head works best with the standard settings.

DETAILS THAT MAKE NISULA AN OBVIOUS CHOICE FOR A HARVESTER HEAD

1. Entirely new hydraulics for 150-250 l/m flow
2. New length measurement package; hydraulic lifting of the measuring wheel, touchless sensors
3. New diameter measurement function; free-from-play intermediation, touchless sensors
4. Patented Nisula Goldfinger guillotine cut function
5. Entirely new efficient Nisula NSU saw assembly with a 19 cm3 saw motor (Parker)
6. Bolt-mounted saw casing equipped with a blade lubrication tank and pump

NISULA 555C

USES

- Thinning
- Delimbed energy wood processing
- Light final felling

SUITABLE BASE MACHINES

- Medium-heavy harvesters
- 14-18 ton excavators
- Heavy forwarders in combi-machine use

TECHNICAL DATA

Weight, kg (varusteista riippuen)	810-840
Clean delimbing Ø, mm	320
Single cut Ø, mm (1 stem)	550
Number of delimbing knives	3+1
Opening of front knives, mm	500
Opening of feed rollers, mm	585
Opening of grapple arms, mm	920
Width in delimbing position, mm (open/closed)	1370/1090
Height in felling position, mm	1350
Operating pressure, bar	200-240
Required oil flow, l/m	150-200

CONTROL SYSTEM ALTERNATIVES

Nisula NCU3LITE with length and diameter measurement function

Nisula NCU3 with volume measurement function

Nisula NCU3i with volume measurement function + priority scaling function

Nisula NCU3X with volume measurement function + value scaling function + data transfer facility

- **Technion**
- **Dasa Forester**
- **Valmet / Komatsu Maxi**
- **Motomit IT**
- **JD/Waratah Timberrite**

ACCESSORIES

- Saw control
- Automatic chain adjuster
- Colour marking
- Stump treatment facility

NEW GENERATION EASY-TO-USE CONTROL SYSTEMS

The development of the Nisula NCU3 control systems is based on four decades of experience. The new electronics generation has increased the measuring and counting efficiency of the system. NCU3 controls the harvester head accurately. The simple menu structure makes it easy for operators to find the settings they need.

NISULA NCU2

WITH LENGTH MEASUREMENT FUNCTION

Nisula NCU2 is a harvester head control unit equipped with a length measurement function for easy use. NCU2 features stem counters by wood species. Programming the measurements on NCU2 is extremely easy. Just determine the initial lengths for logs and pulp wood, module spacing, for example 30 cm, and the required number of lengths, for example 6. If the initial length is 400 cm, and you press the plus button twice, the stem is automatically fed to 460 cm. Couldn't be easier!
NCU2 controls the harvester head in a versatile manner. Cutting to length is accurate and controlled, and the grapple is opened and lifted by pressing one button. This and several other properties make the use of the harvester head easy and fluent. NCU2 is compatible with the Nisula 325 H harvester head.

NISULA NCU3LITE

WITH LENGTH AND DIAMETER MEASUREMENT FUNCTION

Nisula NCU3Lite is a control system for measuring both the length and the diameter of the stem. Adding wood species and wood grades into the system is easy. The menu structure is straightforward and easy to use. NCU3Lite is equipped with a 5.4" monitor. It can be upgraded into a volume measuring NCU3 model.

NISULA NCU3

WITH VOLUME MEASUREMENT FUNCTION

Nisula NCU3 is a control system with volume measurement function. Adding wood species and wood grades into the system is easy. The menu structure is straightforward and easy to use. NCU3 is equipped with a 5.4" monitor. NCU3 is an excellent alternative for a simple measuring device.

The hydraulics control has been taken to a new level, allowing fast and accurate feed to the sawing window. Accuracy is excellent in all conditions. There is a separate fuse for the sensors to reduce the risk of damage to them.

With Nisula heads, you do not pay for unnecessary properties. The NCU control systems offer four different alternatives depending on customer needs.

NISULA NCU3i

WITH PRIORITY SCALING FUNCTION

NCU3i is equipped with a larger 7” colour monitor. The operator can easily program the required wood grades and measurements without a complicated price matrix. NCU3i is a good control system for both a new and an older machine. It meets the latest measurement standard requirements.

NISULA NCU3X

WITH VALUE AND QUALITY SCALING FUNCTIONS

NCU3X is equipped with a larger 12.1” touch screen. The X-model has value and quality scaling functions and data transfer facility. Thanks to the new electronics generation and increased computing capacity, value and quality scaling is accurate. A new advanced algorithm also adds to the maximisation of performance.
As the PC used for reading mapping software and for data transfer is a separate system, the embedded solution guarantees reliability. Possible Windows/PC problems do not halt operations. The harvesting operations do not depend on the PC’s computing capacity, either. Therefore forestry companies’ software may contain extensive maps and other heavy-duty properties.

CRANE CONTROL

Nisula NCU3Lite, NCU3, NCU3i and NCU3X can also be equipped with the integrated Nisula NCC crane control system. In addition to operator-specific settings, the speed of the crane is easy to adjust with a potentiometer. NCC takes crane control and accuracy to an entirely new level. You will see the difference in a test drive!

NOVELTY

NISULA EASY+ SWITCHES

The new Easy+ (protected design) pre-selection switches designed by Nisula for the mini lever provide maximum ergonomics. The programmable pre-selection switches with 12+12 functions are always provided with the mini lever. Thanks to the optimally placed pre-selection switches, you will quickly find an ergonomically suitable working position. The distance between the pre-selection switches and the mini lever can be adjusted easily.

JRPP
JRKPP

ROTATORS AND SWING DAMPERS

NISULA 325H

NISULA 425H

NISULA 425C

The size of the crane and its purpose of use determine what rotator and what swing damper is suitable for it. When a shaft rotator is used with the adapter flange designed for it, the head can be changed fast and easily.

Our recommendation for lighter cranes is FR10 or FR15 shaft rotator with the Nisula JRPP dual swing damper. For heavier cranes, possible alternatives are flange-mounted IndexatorGV6, or with the head change facility, Indexator GV6-69 shaft rotator with the Nisula JRKPP35S dual swing damper. The Nisula dual swing damper makes operations accurate and controlled.

	JRPP 10HD	**JRPP 15HD**	**JRKPP 35S**
Weight, kg	23	23	39,5
Suitable rotator	FR10	FR15	GV6-
Rotator's top pin Ø	25 mm	30 mm	35 mm
Suitable adapter	ADFR10-2	ADFR15	ADGV6-69

NISULA 500H NISULA 555H
NISULA 500C NISULA 555C

If installed on a harvester, our recommendation for the Nisula 500/555 series harvester heads is either Indexator AV12S or GV12S rotator, depending on the base machine and the purpose of use. A suitable swing damper for the 500 series harvester heads is the Nisula JRKPP45S dual swing damper. The Nisula dual swing damper makes operations accurate and controlled.

	JRKPP45S
Weight, kg	47
Suitable rotator	Indexator AV12S/GV12S
Rotator's top pin Ø	45 mm

Nisula swing dampers, benefits to the customer

- Disc brake structure
- Maintains excellent braking power for a long time
- Low operating costs
- Easily adjustable braking power
- Made of special steel
- Lubricated bronze alloy bearings
- Hardened pins

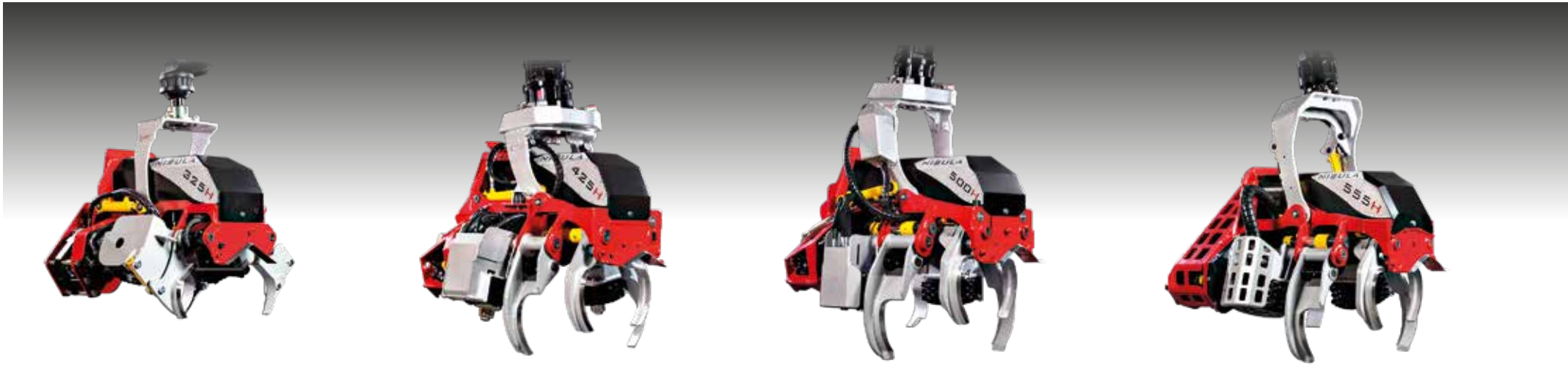
The JRPP10HD-, JRPP15HD-, JRKPP35S and JRKPP45S models have four brake pads, two for both motion directions. Thanks to the disc brake structure, braking power remains good for a long time, with little need for adjustments or maintenance.

NISULA WORLDWIDE

Nisula harvester heads are known worldwide for their straightforward solutions, maintenance friendliness and unique properties. Our customers around the world harvest wood daily with different kinds of base machine and harvester head combinations. Welcome to the Nisula family of satisfied customers!


VOLVO
FLEX-14


555H



NISULA 325H

kg	285
mm	340
optimal mm	30-250

NISULA 425H

kg	410
mm	425
optimal mm	40-300

NISULA 500H

kg	640
mm	500
optimal mm	50-350

NISULA 555H

kg	810-840
mm	550
optimal mm	60-400

NISULA 425C

kg	425
mm	425
optimal mm	40-300

NISULA 500C

kg	650
mm	500
optimal mm	50-350

NISULA 555C

kg	810-840
mm	550
optimal mm	60-400

NISULA 755X

kg	1380-1420
mm	750
optimal mm	80-550

NISULA

THE FUTURE OF EFFICIENT LOGGING

NISULA FOREST OY
Korjaamokuja 3
35600 Halli, Finland

Tel. +358 10 289 2000

SALES
Tel. +358 10 289 2040
kalle.mattsson@nisulaforest.com

SPARE PARTS
Tel. +358 10 289 2025
varaosat@nisulaforest.com

SERVICE & TECHNICAL SUPPORT
Tel. +358 10 289 2035
huolto@nisulaforest.com

www.nisulaforest.com
facebook.com/nisulaforest