

MURSKA





Durable, reliable Murska mills

Aimo Kortteen Konepaja Oy is the global market leader in its segment and has been manufacturing roller mills for more than 50 years.

The functionality of Murska mills has been proven in different conditions, with different types of grain and in different market areas with decades of experience.

Murska mills work when grinding both dry and moist grain: barley, oats, wheat, peas, corn, kidney beans and mixed grains.

Spare parts are available for mills more than 10 years old, and often much older mills.

Service on call at the factory during the threshing season.

Murska roller mill or grinding W-Max?

Murska roller mill

- Durable rollers, at an additional cost also HD super rolls with a service life of about 2 times longer.
- Easy to use and maintain.
- Also works well for flattening peas and beans.

Murska roller mill or grinding W-Max?

W-Max disc mill

- Due to the partially abrasive discs, the crimping result is finer than with roller mills.
- For peas and beans, V-knives are recommended as an accessory to ensure that the machine does not become clogged.
- The advantage of the W-Max is the low noise level of the machine.
- An automatic W-data control system that controls the supply of grain and preservative is also an option.
(More information on the Murska customer site)

Mill selection: capacity / power

Ask the customer for the information below so you can offer him the right size mill.

- Crushed grain production volume tons / season?
- Length of threshing time?

Example: production volume is 1000 tons, harvest time 7 days

> $1000 \text{ tons} / 7 \text{ days} / 10 \text{ hours} = \text{about } 15 \text{ tons/hour}$

> Murska 1000 capacity / h

Mills capacities and technical information in the brochure:

<https://www.murska.fi/esitteet/Murska-eng-www.pdf>

Selection of rollers and discs

- The smaller the grain, the smaller the grooved rollers / discs are selected.
- The smaller the roller / disc clearance is set, the smaller the machine capacity and the faster the discs / rollers wear
- The table on the next page provides indicative instructions for selecting rollers and discs.
- For pea and bean crimping with a W-Max mill, V-knives are recommended to ensure that the mill does not clog.
- HD rollers with a service life of about double are also available at an additional cost.

Selection of rollers and discs



Groove depth	barley, wheat	oats	corn	pea, bean
W-max discs				
0,6mm	X	X		
1,0mm	X			
1,6 mm			X	X
Roller mill rollers				
2mm/2mm		X		
2mm/3mm	X			
3mm/4mm			X	X
Spot flute rollers	X	X		

Advantages of tube packing, a bagger model

- The chassis of the bagger is flexible: grain can be packed in a plastic tube or crimped grain can be flattened next to a silo without a tube.
- Efficient preservation method, fewer work steps and transfers.
- Especially suitable for contracting and large farms.
- The elevator can be purchased as an accessory and mounted behind the bagger.
- The tube acts as an additional storage if the silo capacity is limited.
- W-max 20 bagger at work. Reference video.

<https://www.youtube.com/watch?v=oYqsrwje1XI>

Bagger size selection

- The size of the bagger depends on the daily use of the crimped grain.
- The recommended use in feeding is a layer length of about 20-30 cm per day for shelf life.

Amount of crimped grain in tubes / kg

Ø 1.5 m / 1000 kg / m (minimum use 200-300 kg / day)

Ø 2.0 m / 2000 kg / m (minimum use 400-600 kg / day)

Ø 2.4 m / 3400 kg / m (minimum use 800-1000 kg / day)

Provide accessories!

Acid pumps

- HP-20 Junkkari and flow meter for 200 liter barrel
- The ProDevice acidifier system is recommended for larger mills
- Spreader Murska 4000 and W-Max 40

PTO shaft

- check the tractor PTO shaft, the most typical size is 9 9 (1 3/8 "+ 1 3/4") 1310 mm.

Additional tank and additional tank wings

200 liter acid barrel rack with winch lifter

Hydraulic elevator equipment for bagger

Lincoln - automatic lubrication system, optimizes the need for lubricant

Rear elevator to Murska bagger

- For example, in situations where an elevator is also needed, e.g. in the field when crimping directly from the combine to the cart.
- Effortless installation with front loader fork tines
- Is suitable for all bagger models
- Unload height 3.6 -5.2 m



Conveyors and accessories

- The screw conveyor folds into the transport position and thus fits through the lowest doors or underpasses. Unloading height 4.1 m.
- The belt conveyor folds into the transport position. In the operating position, the conveyor rotates sideways 180 degrees to allow unloading in different places without transfer. Unloading height 4.1 m.
- Automatic greasing system, the user only takes care of filling the lubricant tank. The system supplies the optimal amount of lubricant to each nipple
- Pro-Device acidifier for precise pumping of additives. Made of stainless steel, the acidifier monitors and regulates the flow automatically. The quantity control is directly from the drive.



W-Data automatic control system for W-Max models as an accessory

- W-Data dispenses the right amount of preservative, which saves on preservation costs.
- The PHD 10 acid pump is integrated in the W-data control system.
- W-Data stops dosing if the grain hopper is empty.
- The system monitors the speed of the machine in relation to the speed of the tractor.
- Important information for the user: Machine operating hours, amount of grain, amount of preservative used, grain moisture.
- The contractor may send the information listed above to the customer by text message.
- There is a more detailed description of W-Data in the Murska customer site folder.

Murska maintenance and spare parts service

- Murska mills have a 1-year factory warranty.
- The availability of spare parts is 10 years, often much longer.
- Fast delivery of spare parts from the factory, shipment even within the same day.
- During the harvest: service on call, more information on the website.
- Machine maintenance such as roller changes at the factory should be agreed in time immediately after the previous season. You avoid congestion.

Technical advice and support +358 44 4089 058



Take advantage of the information on the Murska website and extranet!

- Customer references, videos, pictures and brochures supporting sales on the website: murska.fi and on the extranet murska.fi/murskanet

Extranet username: Murska2015 password: Powermill

Murska klubi Youtube: https://www.youtube.com/channel/UC_z9wgnuRWUhnX8nkyTlyrQ

Mill commissioning checklist on the extranet.

Maintenance instructions for Murska mills on the extranet.

Make sure the products are available and the correct information in the offer

- You can use Murska's price list base in making the offer according to the above-mentioned instructions.
- Forward the quotation template you send to the customer without price information to your Murska seller. In this way, we ensure the availability of the Murska mill and accessories in question, as well as the coordination of offers, for example in the trade of used machines.
- The up-to-date offer base also serves Murska's production planning and delivery capacity.

Murska – virtual exhibition – Euro Tier 2021



<https://www.murska.fi/MurskaShowroom2021multilingual/>



Environmentally friendly productivity