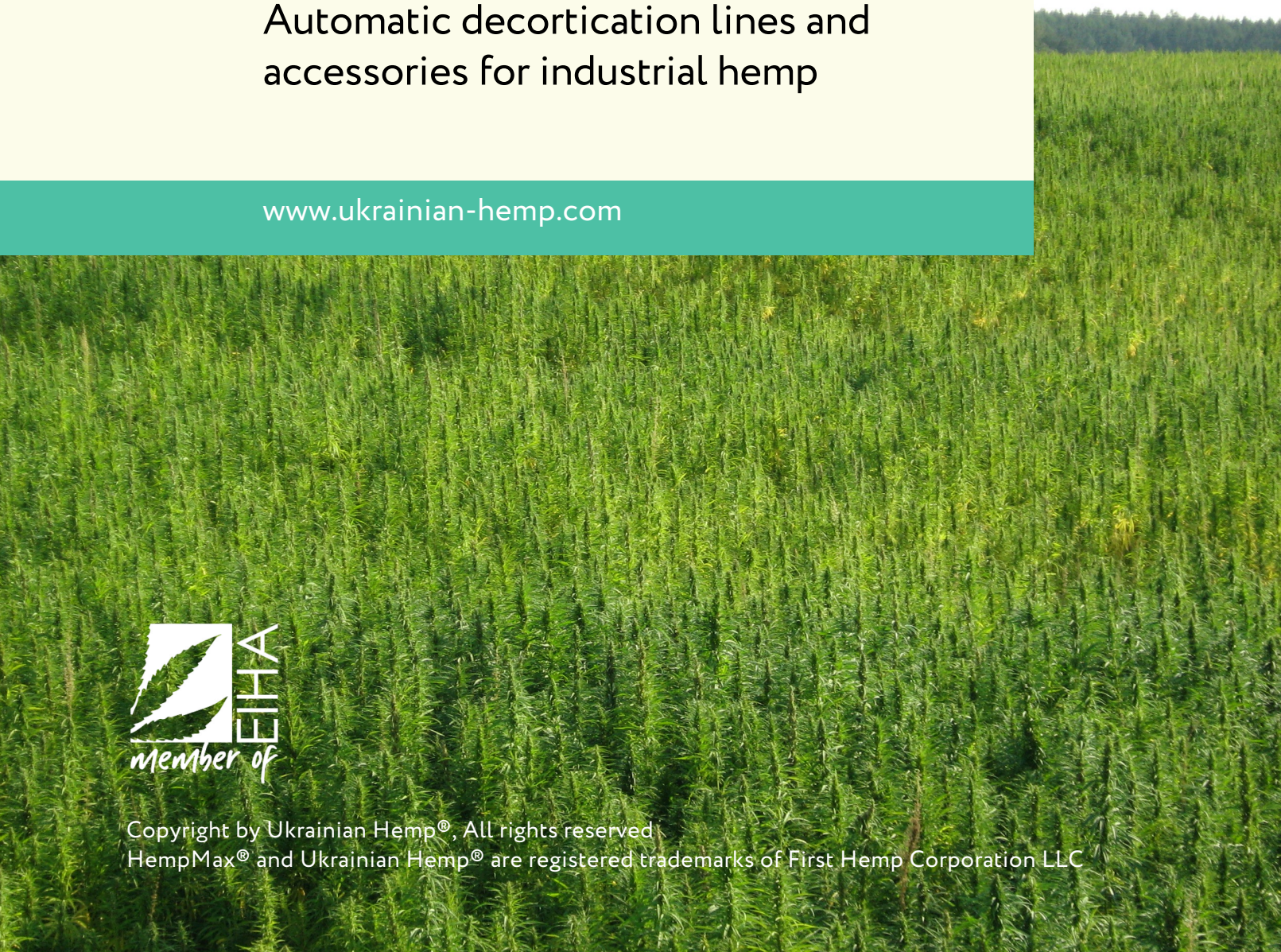
UKRAINIAN HEMP®

HempMax® - 1000

Automatic decortication lines and accessories for industrial hemp

www.ukrainian-hemp.com



member of EIHA

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HempMax® - 1000

Automatic decortication lines for industrial hemp crops



HempMax® Decortication line - Patent pending

Designed for reliable and fine decortication processes

The HempMax® decortication line is engineered for separation of industrial hemp biomass into fibers and shives. Starting by processing straw bales, the machinery uses its unique technology to breakdown the biomass into individual elements and conveys them through filtering and cleaning funnels to obtain desired quality levels.

Following the zero-waste concept, the HempMax® technology fulfills a full-scale separation of the input material into the finest elements such as dust, fiber and shive rests. Furthermore, the line is equipped with unique air cyclone technology limiting the dust in the environment to the minimal levels.

Thanks to a user-friendly design the line is simple in operation, does not require complex calibration or setup and can be operated with a low number of operators. Depending on the desired output, the line can be equipped with additional modules to fulfil the requirements of the customer.

Output materials



Hemp fibers

up to 97% purity
long fibers



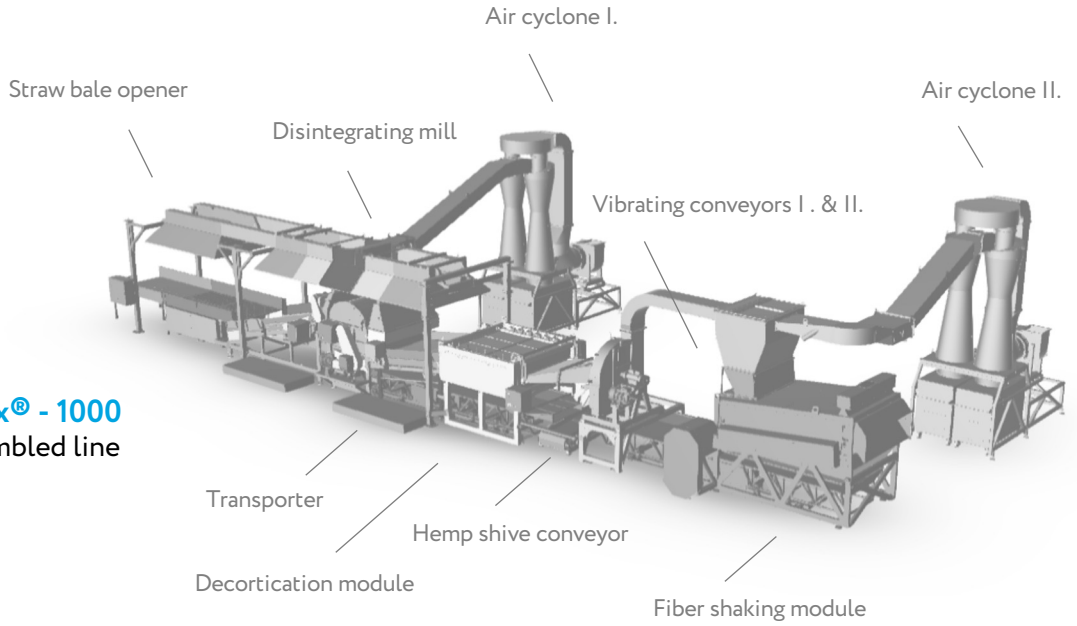
Hemp shives

up to 98% purity
adjustable size



Hemp dust

air-collected dust and waste materials



HempMax® - 1000
Fully assembled line

Dimensions

Length	20 160 mm
Width	9 090 mm
Height	4 720 mm
Weight	18 500 kg

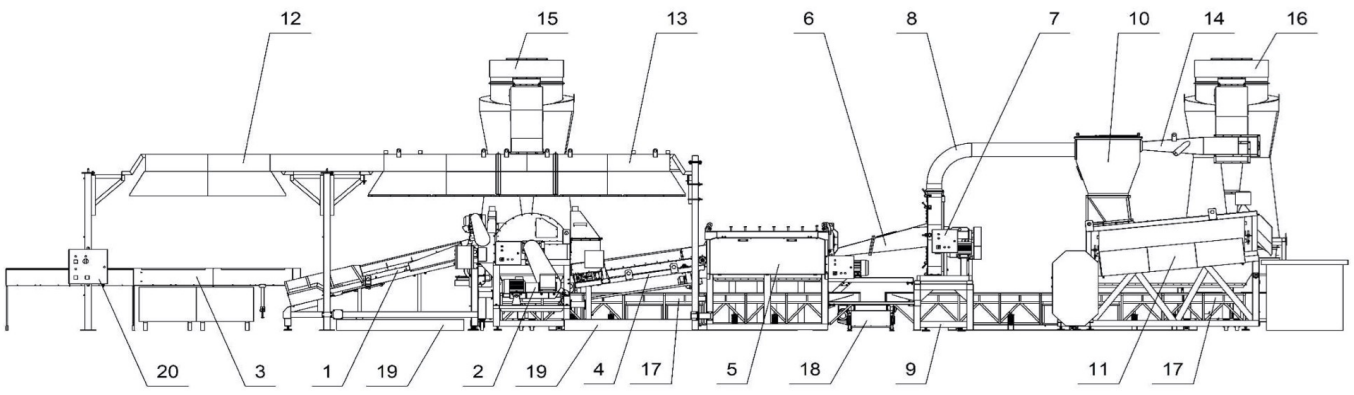
WATCH PROCESS VIDEO

Performance characteristics

Machinery class	Agricultural machinery
Input material	Industrial hemp straw bale (round/square)
Input material requirements	Well retted and dried industrial hemp straw with a moisture content below 16% Maximal square bale dimensions (L/W/H): 2000x1300x600 mm Maximal round bale dimensions (⌀): 1400 mm
Material processing speed	800 – 1000 kg / h
Fiber production performance	300 – 400 kg / h
Fiber purity	> 97 %
Shive production performance	600 – 700 kg / h
Shive purity	> 99 %
Required air flow in cyclones	19100 m^3/ h
Required personnel	4
Nominal energy consumption	70,5 kW / h
Required voltage	380 V at 50 Hz

Commissioning and delivery

From first contact to delivery of your machine



Our customer-oriented approach is dedicated to provide a comfortable and reliable service to our customers worldwide. With transparent terms and conditions, we guarantee a high-quality machinery with professional technical assistance and on demand maintenance services. All spare parts are available directly from manufacturer or distributors.

Logistics details

Production location	Kharkiv, Ukraine
Number of containers	3x 40 ft containers
Delivery terms	FCA (Kharkiv, Ukraine)
Setup assistance	Remote (included) On-site (billed depending on location and time)

Payment terms

Payment upon order	50%
Upon production completion of 75%	25%
10 days before dispatch to the customer	25%
Lead time from order	6-8 months
Warranty on all machines	1 year

Worldwide delivery, technical support and warranty

- International sales presence
- Technical and setup support
- Permanent access to spare parts
- 1 year warranty on all machinery
- Compact shipping in 3 containers

Know-how meets engineering excellence

Over 25 years in agricultural machinery building





Engineered by industry experts and leading institutes

The HempMax® - 1000 decortication line emerges from an extensive development between industrial hemp experts and engineers with over 25 years of experience in agricultural machine building. The result, is a unique technology which meets the industry requirements and guarantees a reliable production with high-quality output. HempMax® - 1000 is designed and built in Kharkiv (Ukraine), utilizing finest materials under international regulatory standards.

Simultaneously the technology represents a living development, thanks to a close cooperation with industry experts aiming to perfect the technology to expand its application. To this extent, new modules, accessories and features are in development, whereas our partners automatically become exposed to the latest innovations.

Our valued partners

EIHA European Industrial Hemp Association

CzecHemp

PAPACKS® PACKAGING BY NATURE

ATB

HEMPOINT



6,000 m² production plant in Kharkiv, Ukraine



Extensive production capacities

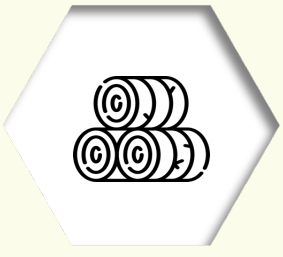


In-house design and engineering bureau

Additional processing modules

On-demand machinery for specific requirements

Industrial hemp has over 1000 applications in diverse industries, whereas each industry dictates its own technical requirements and product quality levels. In order to meet these requirements, we offer additional modules which can be easily attached to the HempMax® - 1000 decortication line. As a result, we achieve a robust automatic solution which delivers output material matching your individual production vertical. Our manufacturing capabilities and over 25 years of experience in agricultural machine-making, allow us to offer custom solutions and consulting services for your business.



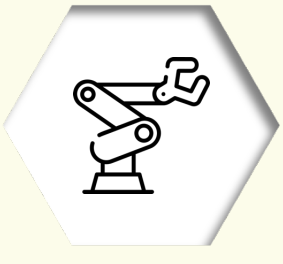
Bale breaking modules

Automatic bale breaking module for square and round bales. Bale breaking modules prepare and feed the biomass for optimal decortication.



Shredding & milling modules

Whether fibers or shives, we offer shredding and milling modules to achieve desired density or length of the materials.



Pressing & packing modules

Depending on your supply chain, we can offer pressing and packing solutions attached directly to the decortication line to achieve the requirements for the output material.



Custom engineering solutions

Should our standard options be insufficient for your requirements, we are happy to explore custom-built solutions for you.









HempMax® - 1000
Hemp shive output material





HempMax® - 1000
Hemp fiber output material

UKRAINIAN
HEMP®

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