

SCRAPING VANE DREDGING CONVEYORS



DESCRIPTION

The FAMA **scraping conveyor** is a device designed to move metal chips from one point to another. The conveyor system consists of a channel in sturdy metalwork approximately 300 mm wide, inside of which there are a series of dredging vanes screwed onto a chain.

The extension of the **scraping conveyor** depends on the requirements to be met.

The conveyor can also be equipped with a liquid collection tank, complete with transfer pump.

All FAMA **scraping conveyors** are built by applying wear-resistant materials in parts most subject to this phenomenon.

SUPPLY

- Load conveyor
- Dredging vanes, chains, pinions, shafts
- Adequately powered geared motor
- Overload safety device
- Cooling lubricant collection tank in standard version, built into the conveyor channel
- Electrical components

OPTIONAL

- Modification for multiple discharge
- Integrated cooling lubricant collection tank complete with booster pump and level sensor, to be installed when handling wet swarf
- Swarf discharge slide
- Bottom and reinforced guides in wear-resistant material for particularly abrasive and hard swarf

DIMENSIONS	WEIGHT	POWER	VOLTAGE	LOADING
Custom	Custom	Custom	230/400 V	Continuous

SWARF CHARACTERISTICS & TECHNICAL NOTES

- The swarf must be short or not larger than 1 or 2 cm x 1 or 2 cm; therefore, in case of long or skein-type metal swarf, it is advisable to combine the conveyor with a FAMA shredder
- The swarf must not contain pieces (bar ends or headers, processed parts, ...). Pieces in the order of cm are tolerated
- The swarf can be dry or soaked in coolant oil. In this case, an oil collection tank (optional) must be associated with the conveyor
- The channel is normally made of carbon steel. If the material to be handled is abrasive (cast iron and steel), the channel is internally coated with wear-resistant materials

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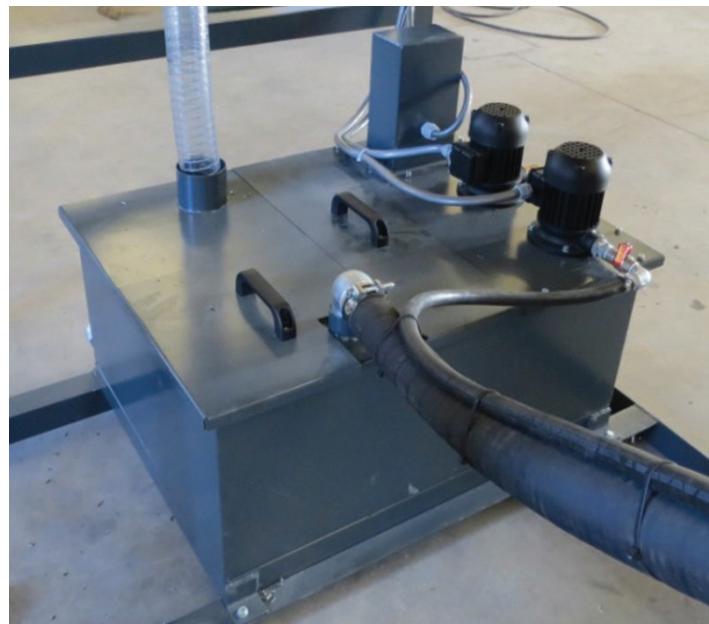
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HOURLY PRODUCTION

Q = 0.8 m³/h	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
density [kg/dm³]	1,5	1,3	0,8	1,1	1	1,4

À dimensionner selon les besoins

Chaque convoyeur est dimensionné en fonction des exigences du client. La quantité de copeaux transportés dépend également du quota à atteindre et donc de l'inclinaison du convoyeur, mais aussi de la densité et de la forme du matériau qui doit être transporté.



Recovered oil collection tank

USE OF THE DREDGING VANE CONVEYOR

The dredging conveyor can have multiple applications:

- After shredding for centrifugal loading
- Loading of the collection and /or storage tank
- It is suitable for integration with filtration systems

RECOVERED OIL COLLECTION TANK (OPTIONAL)

- It is a small tank to store the recovered oil. The tank is divided into two parts. In the first half the recovered oil flows and settles, then overflows into the second half where the washing pump and the oil relaunch pump are placed
- On the bottom of the tank there are pipes for complete emptying of the tank, connected, with ball check valve

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