



Free Stall Cleaner System with Cable

A new generation
of equipment and systems

GEA Farm Equipment | Houle

engineering for a better world

GEA Farm Technologies

SW Series Cable Drive Unit

A new series of cable drive unit for free stall cleaning.

The new SW Series cable drive unit has been design to make your life easier - they give more freedom in installation location, delivers a high level of performance and requires minimal maintenance. This unique design allows lateral movement of the drive as the cable is being wrapped around the rotating drum. The coiling is made without stress and without excessive friction.

- **Lateral movement of the drive unit** - is done by means of an angled rolling mechanism designed with extremely durable components. This movement allows the cable to remain well aligned. There is no side pressure as associated with the cable guides on traditional drive units, therefore minimizing cable wear and stress on the drive unit.
- **Easy access for maintenance and lubrication** - with the timing chain located outside the main frame.
- **New external cable tie downs** - located outside of the drum, they are more accessible and the cable is easily secured using two bolts.
- **Drum drive shaft mounted on high quality roller bearings** - for long lasting durability and smooth operation.
- **More freedom in installation location** - since the corner wheels can be installed very close to the drive unit without overlapping its footprint.
- **Easy to handle safety shield** - made of light and durable plastic.
- **Opened and raised drive unit bottom** - to ease cleaning and basic maintenance underneath the drive unit.
- **Double motor option | HD** - on SW-300 and SW-450 models. Standard on the SW-650.



Cable drive unit models for free stall alley scraper





Works around the clock

The SW Series cable drive unit is able to work hard on a regular and ongoing basis always maintaining the same high level of performance year after year, just like the first day it was installed.

Cable drive unit models for cross gutter scraper



■ **SWS-300 and SWS-300 HD** - Cable drive units on stands equipped with one or two wheels.

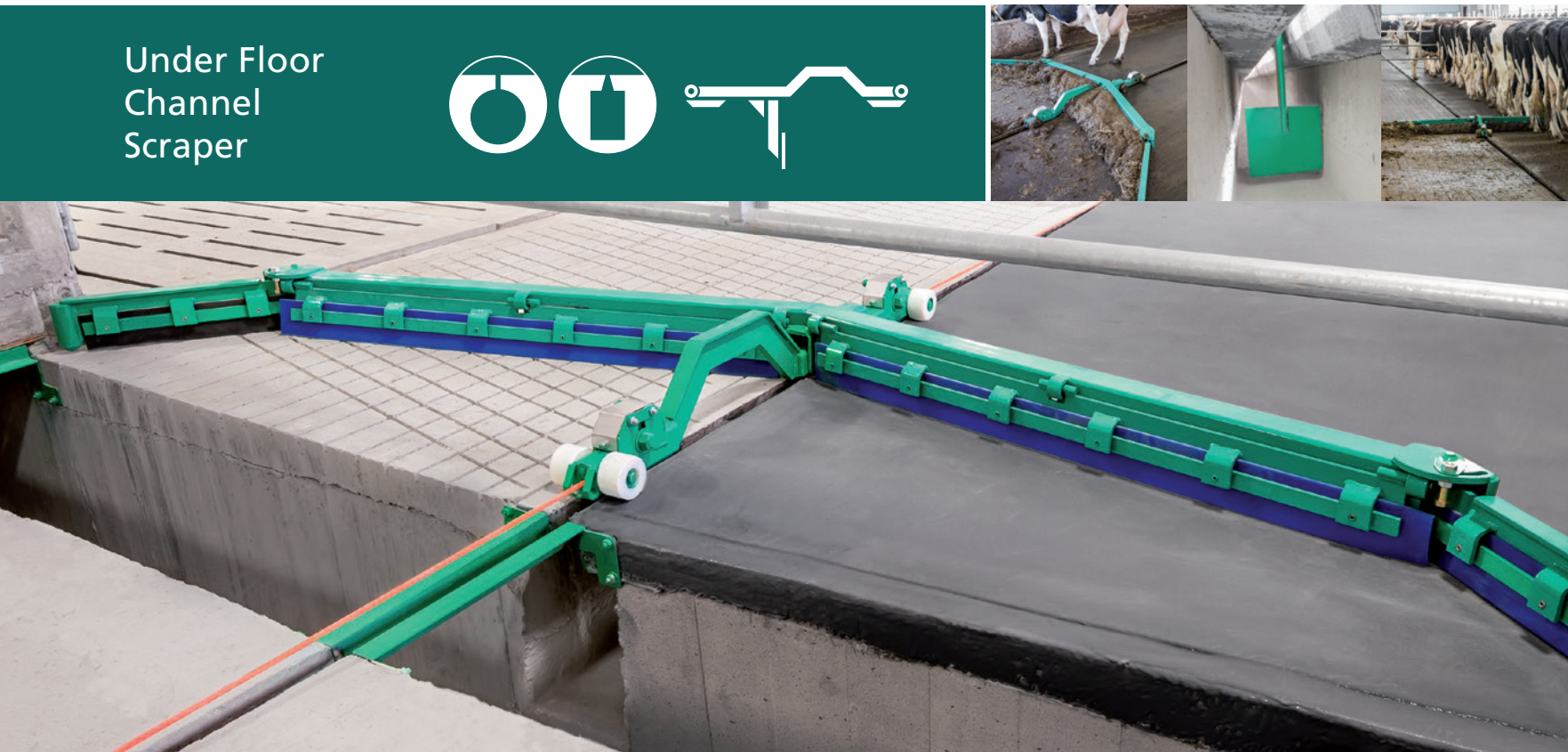


■ **SWR-300 and SWR-300 HD** - Cable drive units installed in a recess.

Diversified and Comprehensive Line of Products

GEA Farm Technologies offers you new cable free stall cleaner systems to help keep your alleys drier. These concepts allow the liquid and a portion of the manure to naturally drain out thanks to a slight slope towards the center of the manure alley. The material drops into the bottom of a deep groove or a channel underneath the manure alley and is pushed towards the cross gutter as the scraper is cleaning the alley.

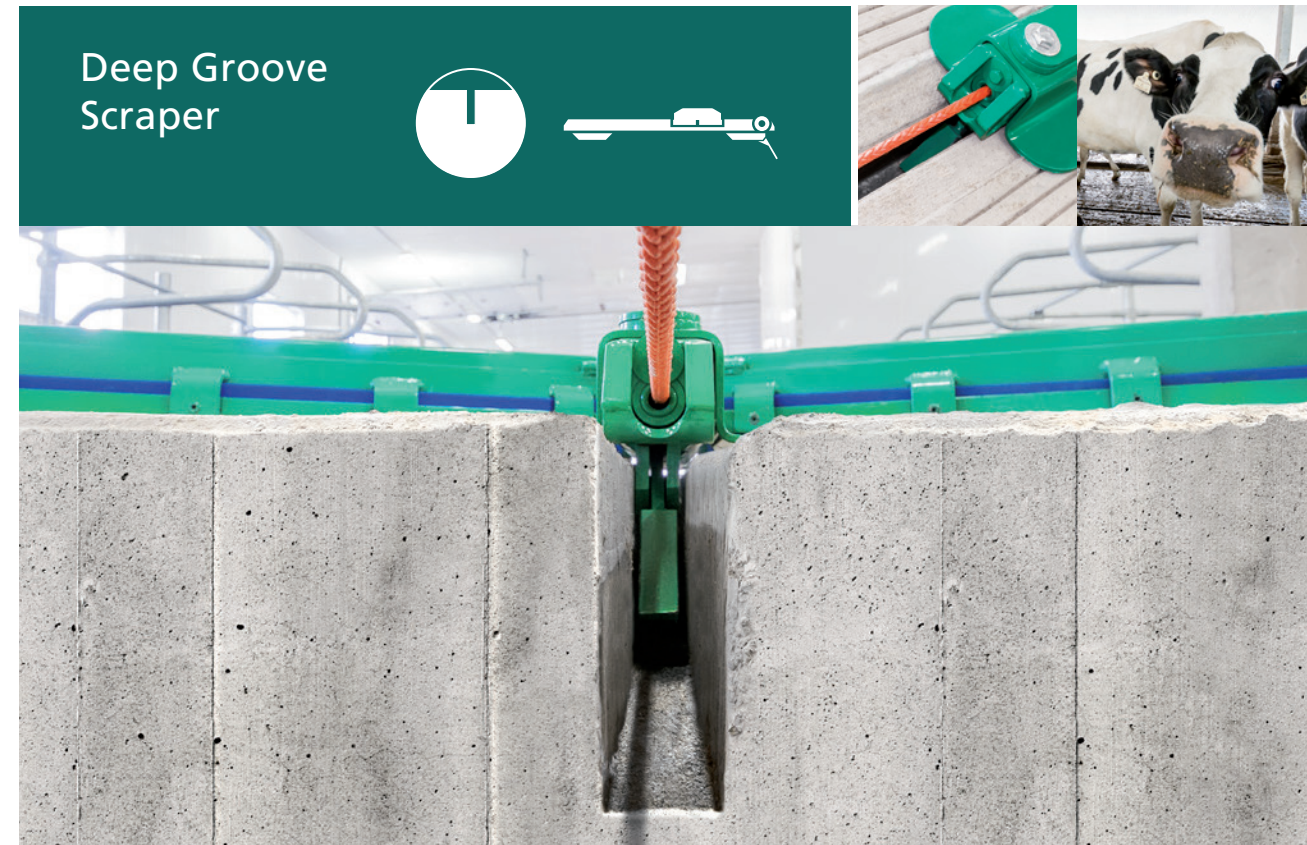
In addition to the cable free stall cleaner systems, GEA Farm Technologies offers also the 16°, Straight or V-Shape scrapers with chain and the Straight scraper hydraulically driven. Each of them has its own benefits and many options to perfectly fit your installation.



The raised design of the under floor channel draw bar allows liquid and portion of the manure to drain into a channel installed underneath the manure alley. During the cleaning stroke, the material is pushed towards the cross gutter by means of the integrated paddle at the same time as the scraper is collecting manure in the alley.

- **Herd cleaner and healthier** - this system eliminates liquid accumulation in the alleys faster and keeps the cow hooves drier.
- **Affordable and adaptable system** - the channel can be made of concrete, circular or rectangular, or corrugated PVC pipe. The paddle can be customized per the channel shape and dimensions.
- **Durable construction** - stainless steel integrated paddle and scraper built with heavy-duty steel for a long life span.
- **Available on the 16° and V-Shape scrapers** - wide selection of scrapers for alley widths from 6'1 (185 cm) to 17' (518 cm).
- **Can be installed with steel cable or nylon rope.**

Designed to suit your individual needs and provide maximum efficiency



The deep groove scraper has been designed to allow liquid to naturally drain out of manure thanks to a slight slope towards the center of the alley. The integrated toggling flat bar pushes solids contained into the groove towards the cross gutter.

- **Herd cleaner and healthier** - this system eliminates liquid accumulation in the alleys faster and keeps the cow hooves drier.
- **Affordable** - this scraper partially offers the same advantages as the under floor channel scraper without having to install the channel underneath the manure alley.
- **Groove depth** - from 4" (102 mm) to 10" (254 mm).
- **Durable construction** - stainless steel toggling flat bar and scraper built with heavy-duty steel for a long life span.
- **Available on the 16°, Straight and V-Shape scrapers** - wide selection of scrapers for alley widths from 6'1 (185 cm) to 17' (518 cm).
- **Can be installed with steel cable or nylon rope.**

Tube Scraper System



The Tube Scraper System has been designed to move as much manure as possible into a prefabricated concrete tube installed underneath the free stall alley.

The opening in the draw bar allows manure and liquid to drain into the channel behind the paddle. This way, the paddle directs only the material from the previous cleaning stroke towards the cross gutter.

- **Herd cleaner and healthier** - this system removes a maximum amount of manure from the alley through the underground tube, keeping the cow hooves drier.
- **Efficient design** - the acute angle of the V shaped scraper allows manure to be directed towards the middle of the alley. A wheel at the rear of the scraper pushes the material inside the tube keeping the groove free from any obstruction.
- **Heavy-duty scraper** - available with two arm lengths for alley widths from 8' (244 cm) to 14' (427 cm).
- **Quick installation** - thanks to the provided prefabricated concrete forms.
- **Installed with steel cable only.**

Steel Cable or Nylon Rope

Steel cable - Choice between galvanized (cheaper) or stainless (better corrosion resistance) steel cable of 3/8" (9.5 mm) or 1/2" (13 mm) diameter. Strong and durable, it is perfectly suited to very long manure alleys.



Nylon rope - Flexible and very light rope of 7/16" (11 mm) diameter. Easy to handle and to install. The nylon rope is perfectly suited to manure alleys less than 300' (91 m) in length. The nylon rope is designed only for grooved alley, it must be kept away from frost and sand. It requires monitoring during the first months of operation – until maximum stretching is reached – beyond that, the nylon rope has a very long life span and preserves the cows well-being.



Exclusive for
systems offered
by GEA Farm
Technologies

IVRpro Control Panel with Max@ccess Option

On-farm manure management activities at your fingertips without really having to worry about it.

This new generation of control panel provides you with improved load sensing technology exclusive to GEA Farm Technologies. The IVRpro control panel with the Max@ccess option is equipped with high quality internal components and stated detection sensor giving you greater resistance and more accuracy in sudden load fluctuation readings; less unnecessary down time, less on-farm services... less worries.

Max@ccess Option Information at your fingertips

- **Internet access** - giving you access to your control panel through a computer, smart phone or digital tablet at any time.
- **Remote assistance** - the internet connection allows you to share control panel data through the web to ease technical assistance.
- **Complete and intuitive** - programming and operating parameters giving numerous options and a help screen if needed.
- **Remote starting** - available at any time.
- **Versatile** - for free stall cleaner systems with cable or chain.



- **Multilingual interface** - many languages available to meet individual needs.

Ergonomic Interface and User-Friendly Navigation

- The Max@ccess option gives you a larger high resolution interface screen to ease the navigation and the parameter settings.



We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 index.

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