



A worldwide approved and reliable system



WOOD INDUSTRY



Unloading, the first critical step of your process



MORILLON SAS
Founded in 1865, MORILLON is the European specialist of silo unloading systems. Our services include design, manufacture in our workshops, commissioning and maintenance worldwide.

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HYDRASCREW system



Wood pieces, wood wastes and shavings, wood barks, wood chips, wood sawdust (dry or wet), wood meal, wood dust.
Silo from 2m to 25m ø. Discharge capacity up to 400m³/h



For optimal silo emptying

Safe and efficient

The **HYDRASCREW** system uses hydraulic transmission. An **Archimedean screw**, driven by a directly coupled **hydraulic motor** sweeps the cell bottom through 360° and ensures **full silo unloading** on the FIFO principle : **First In, First Out**.

The hydraulic transmission systems provide high torques, thanks mainly to the MORILLON start-up Booster System.

An Eco-Friendly technology

All-in-one system



The advantages

of the MORILLON hydraulic system

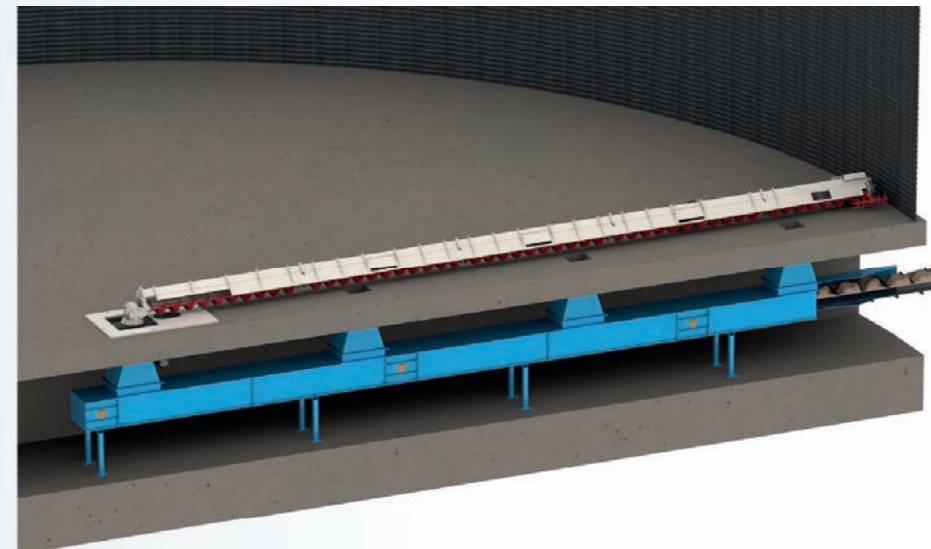
- Full silo maintenance possibility
- Speed regulation without loss of efficiency, at constant torque with no speed variation and no overheating
- Smooth running and good flexibility
- Hydraulic control of the torque for planetary feed, for an optimal running security
- "Green System" option, an ECO-FRIENDLY concept using bio-degradable lubricants



- Power-pack integrated to the extractor
- Technology adaptable to your needs
- High energy efficiency
- Reduced time for installing & commissioning
- Reduced oil volume
- Reduced transport cost
- Silo diameter : 6 to 10 meters



SPIROGYRE system



Wood pellets

The **SPIROGYRE** sweep-auger is designed to reclaim the remaining products in flat bottom silos. It starts up once the gravity unload has been completed, and ends emptying the silo by a rotation of 360° inside the silo.

The transmission is ensured by a pulley-belt system under a closed casing, the motor is reachable in the gallery.



Spirogyre SCD reinforced
Silo up to 38m ø
Discharge capacity : from 25 to 180 TPH

ELECTRIC UNLOADING system



Conception based on electromechanical transmissions, with easy use and maintenance. The Archimedean screw sweeps the cell bottom radius through 360° and ensures unloading of the product on the FIFO principle (First In, First Out). Very easy operation and use

Silo from 2m to 4m ø
Discharge capacity : up to 25m³/h