



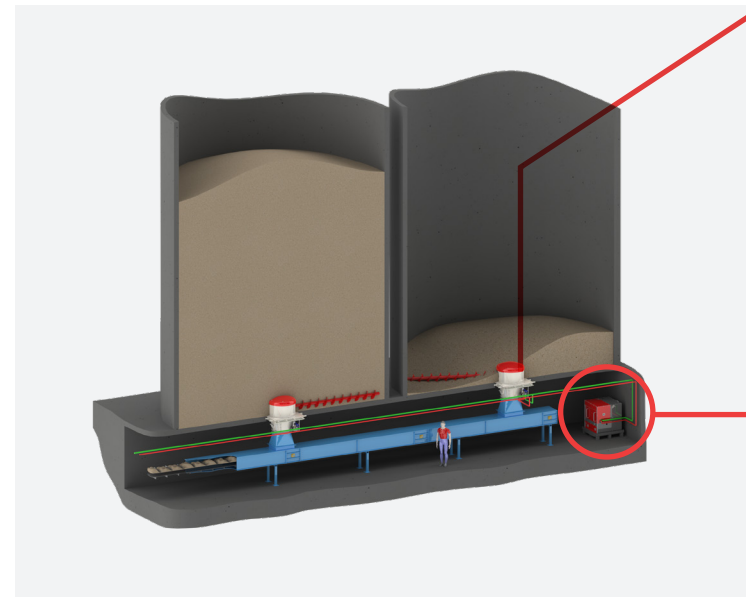
HYDRASCREW SYSTEM



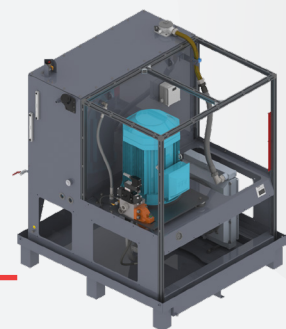
HYDRASCREW

HYDRAULIC UNLOADER FOR FLAT BOTTOM SILOS

The HYDRASCREW system reclaims bulk materials, heavy or light, powdery or fibrous, dry or wet, abrasive or corrosive, that do not easily flow by natural means and stored in flat bottom silos.



HYDRAULIC POWER UNIT



A hydraulic power unit can be connected to several reclaimers

- High efficiency motor
- Manual adjustable capacity or by remote control
- Delivered with connection box, option: control panel

10

ADVANTAGES

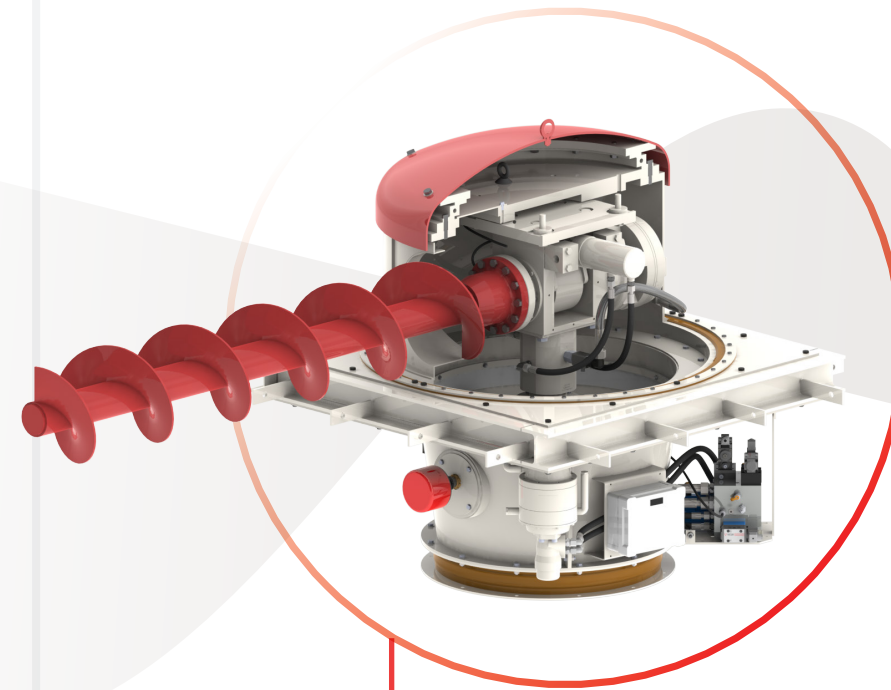
- Over 40 years of experience in silo reclaiming
- Suitable for many industries
- For new or existing silos
- Safe reclaiming of the product
- Robustness and longevity
- First In, First Out (FIFO)
- Start-up aid: BOOSTER
- Z20 inside silo – Z22 outside silo
- Easy to install
- Simple maintenance

MORE THAN 4000 RECLAIMERS INSTALLED WORLDWIDE

The Hydrascrew works with a hydraulic transmission. An Archimedeian screw driven by a hydraulic motor sweeping the bottom of the silo, with a second hydraulic motor powering the planetary rotation around the silo for a complete emptying of the silo. The hydraulic transmission system allows to transmit high torques, **thanks mainly to the Morillon start-up Booster System.**

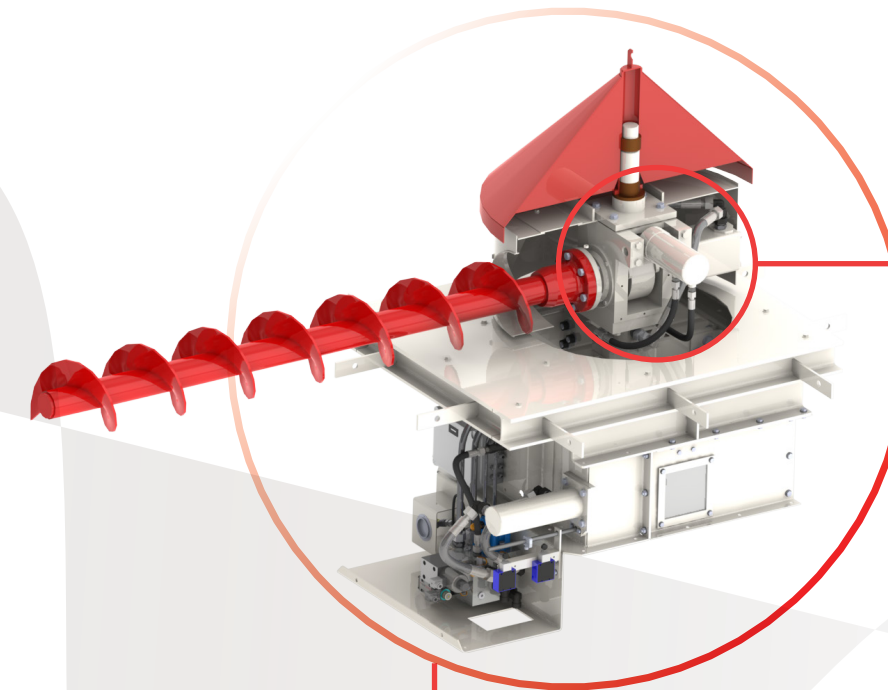
2 PRINCIPLES

TO ANSWER ALL NEEDS



SLEWING RING TYPE

- High extraction capacity
- High robustness
- Full silo maintenance possibility
- Intensive use
- Silo Ø from 4 to 25m



PIVOT TYPE

- Economical solution
- Used for products with high moisture content
- Silo Ø from 3 to 13m



DISCHARGE CAPACITY:

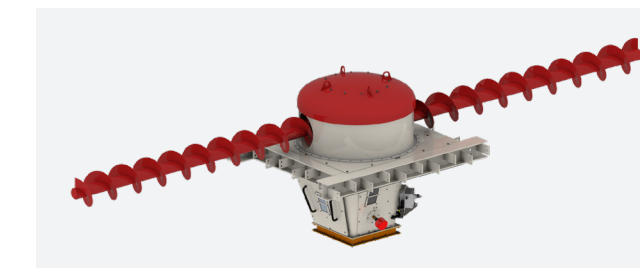
up to
500 m³/H

RANGE:

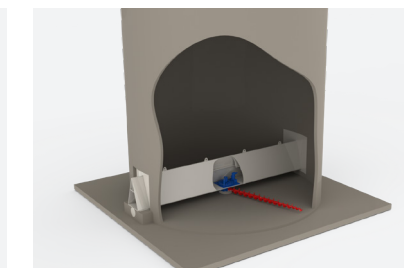
from
Ø 3m
to
25m

OPTIONS :

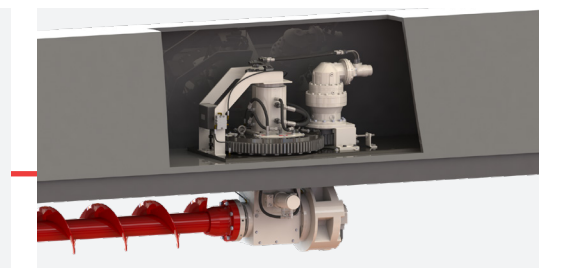
- Z20 inside silo
Z21 outside silo
- High temperature (150°C)
- Stainless Steel version



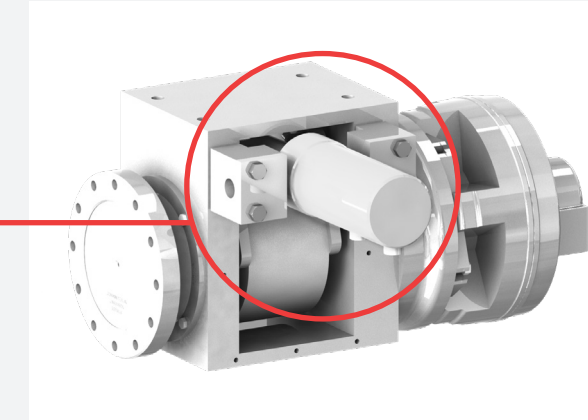
- Twin screw version for higher discharge capacities



- Version in or under the beam

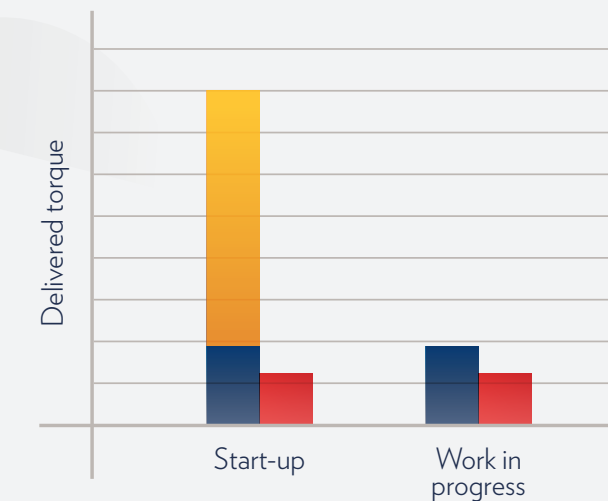
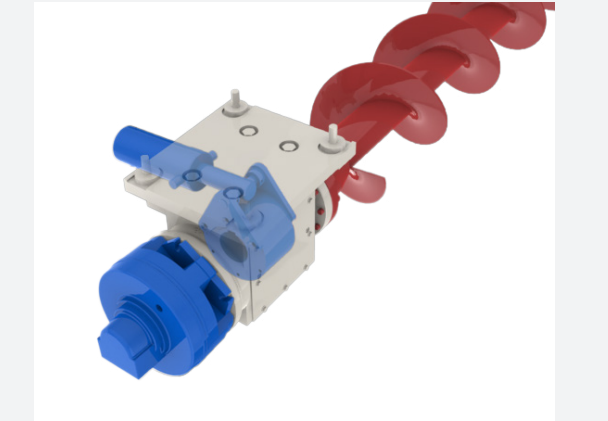


BOOSTER SYSTEM



THE HYDRAULIC POWER

- The Booster is used to start the machine even if the silo is full and wherever the screw is positioned (no parking position required)
- The delivered torque is 10 to 12 higher than the nominal torque of the main motor.



- Morillon hydraulic system
- Morillon Booster**
- Usual electromechanical power

HYDRASCREW

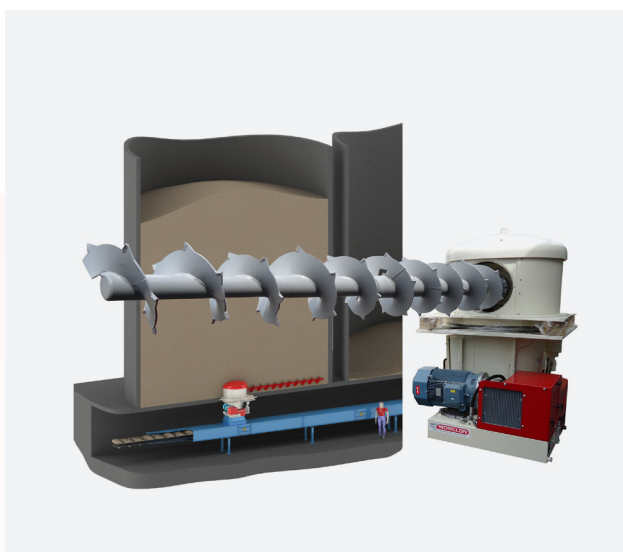
RANGE

TYPE	HM	HMC	HMC VD	HG	HGC	HGC VD	SHG	SHG VD	SHG+	Super SHG
SILO DIAMETER (m)	3 to 7	6 to 10		9 to 13	9 to 14		13 to 20		13 to 22	16 to 25
DISCHARGE CAPACITY (m ³ /h)	20 to 180	30 to 200	60 to 400	60 to 200	60 to 250	120 to 500	80 to 250	160 to 500	80 to 400	100 to 500

*Values depending on the product and application
Other dimensions: please consult us.

HYDRASCREW ALL IN ONE SYSTEM

RANGE



ADVANTAGES

Up to 5 times less hydraulic oil

Technology adaptable to your needs

Hydraulic power pack embedded on the reclaimer

High energy efficiency

Reduced assembly and commissioning time
(plug and play)

Low transport costs

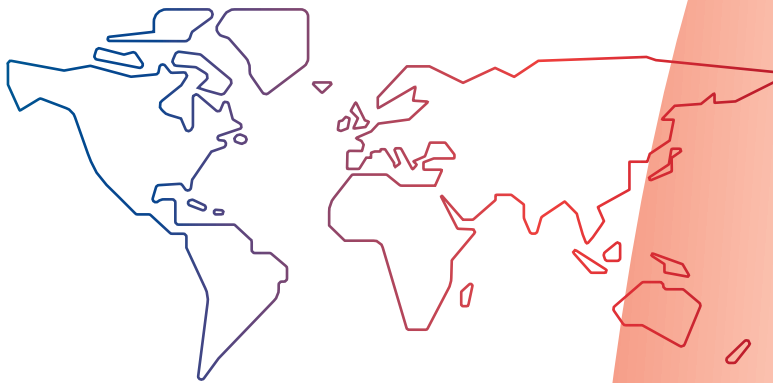
Silo diameter: 6 to 14 meters



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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