

Momentum synchronous drum motors are space-saving, all-in-one components with a motor and transmission system that is maintenance and oil-free and fully protected within the drum.

This increases reliability, reduces operating costs and simplifies integration, and guarantees higher food safety!

Our products are extremely capable, yet simple to use. This promise is reflected in the very design of our products, which are carefully manufactured down to the smallest detail.

A Momentum drum motor is the economic and sustainable choice!



After taking over the company Momentum Technologies last autumn, NGI has established a new Danish sales department for drum motors under the name NGI DriveTech.

So far, NGI DriveTech consists of two Sales Managers who operate from DK Nørresundby and a professional back office who will handle production and orders.

One of the major advantages of Momentum drum motors is the technology itself, as a synchronous motor is used. The Momentum synchronous drum motor runs completely without oil and therefore guarantees higher food safety.

We offer comprehensive services to help you solve your conveying challenges. We are highly committed and always ready to discuss your needs during a personal visit - at any time and worldwide.

Therefore, do not hesitate to contact Mathias or Michael to learn more!



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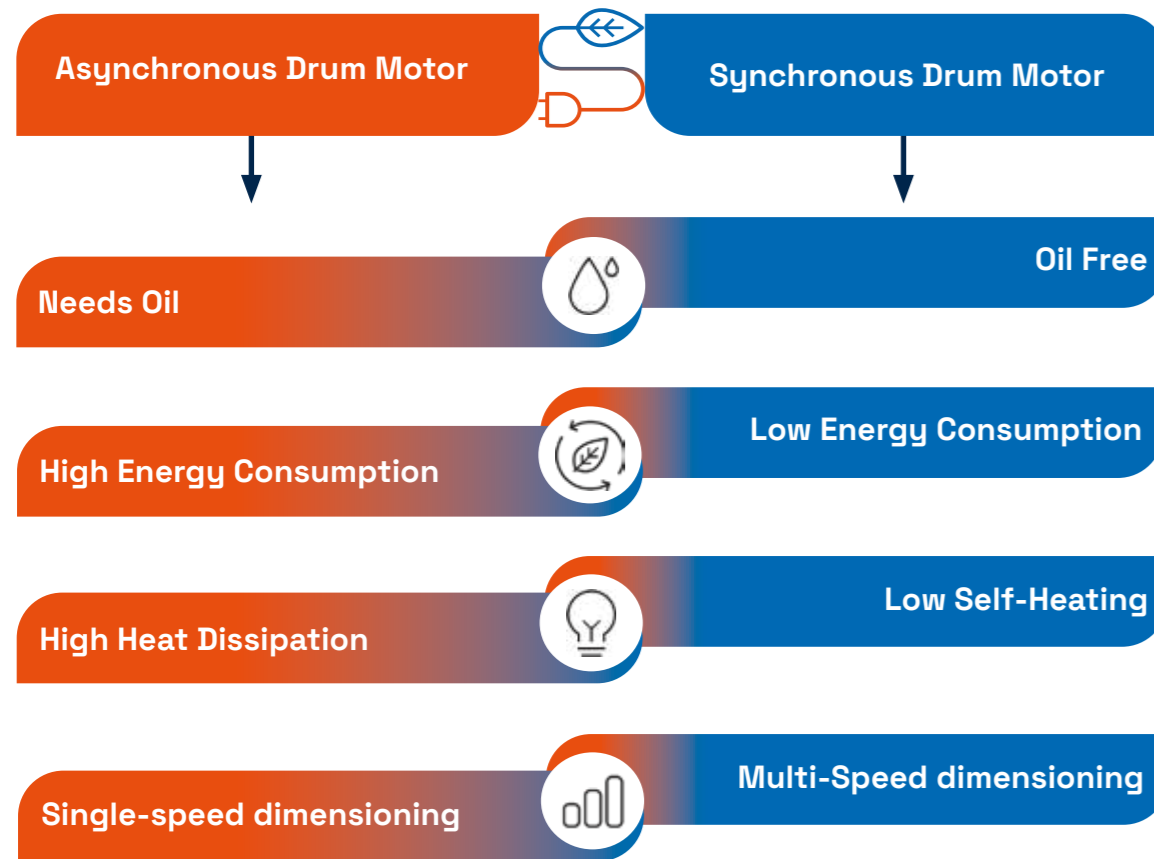
# Synchronous drum motors

From Momentum Technologies



# Drum motor comparison

Asynchronous versus Synchronous Drum Motor



## Drum motor shells

We manufacture all drum tube profiles and rubber sleeves.

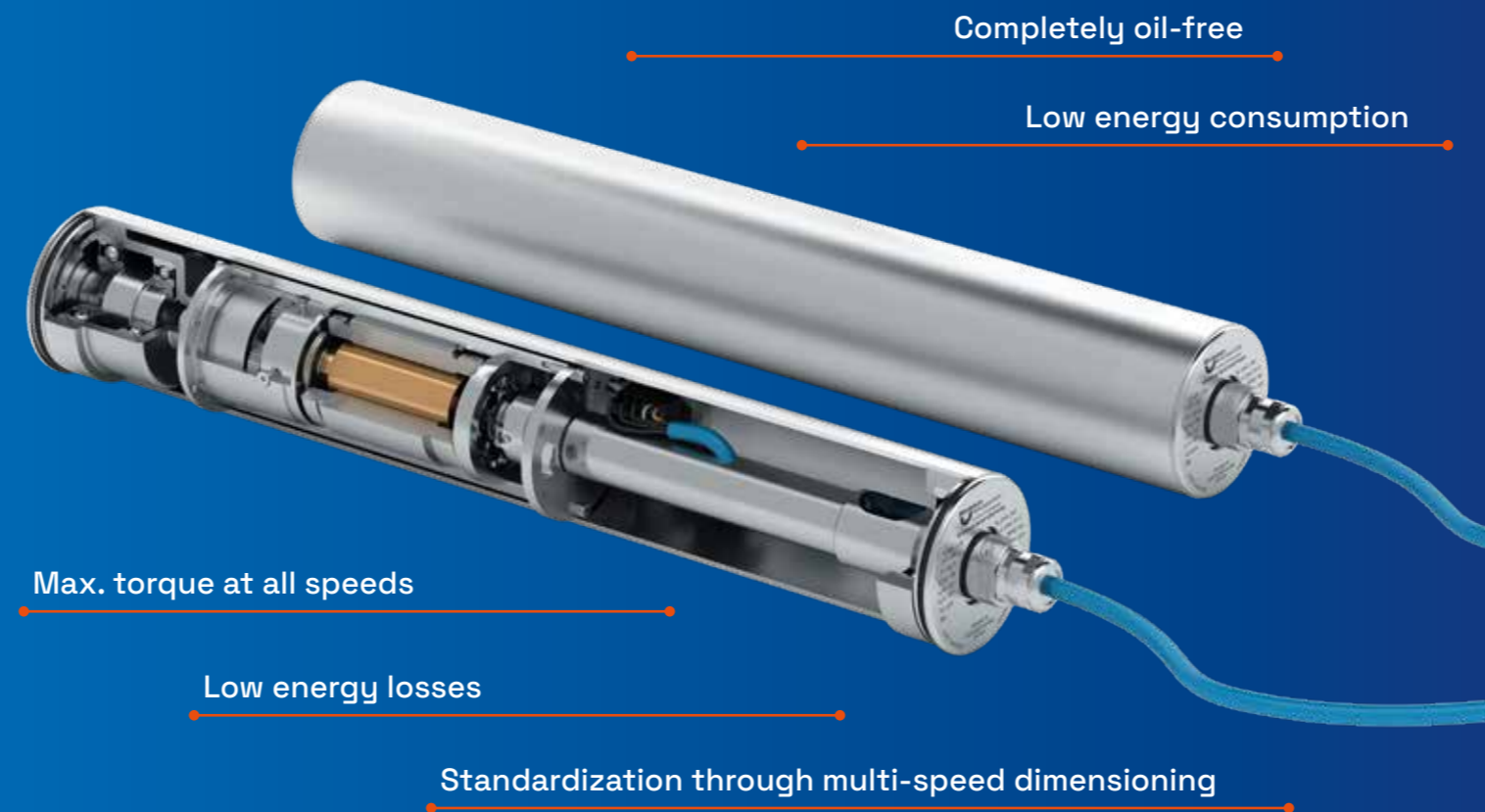
- Cylindrical, crowned or conical tubes
- Flat, crowned, conical or profiled rubber lining
- Radial grooves for round belts
- Milled guiding grooves and profiles

Many other designs are available, see some examples below.



# The Momentum Drum Motor

Optimize food safety and efficiency  
with synchronous drum motors



- Lower energy consumption
- Oil free which minimizes the risk of oil leaks
- Higher motor efficiency and thus less power loss
- Enhanced food safety

# Drum motor comparison

Asynchronous versus synchronous Drum Motor



The asynchronous motor requires oil to cool down the motor which requires maintenance and can result in an oil leakage and the risk of oil contaminating product is real!

**Momentum synchronous motors do not require oil. Oil contamination of conveyed goods is therefore impossible – a perfect match for the food industry.**



The heat inside asynchronous motors is caused from losses: Iron losses, copper losses & mechanical losses

Which results in low efficiency of the motor!

**The synchronous motors from Momentum have a higher efficiency, up to 9 times lesser power consumption as asynchronous, due to minimized losses!**



Momentum synchronous drum motors also convey very slowly or very fast – with continued high torque.

This results in many new fields of applications – including quick starts and stops in packaging processes.

**The synchronous motors from Momentum offers up to 2.6 m/s linear speed.**

A quick overview of our MTS series of synchronous drum motors  
- one is guaranteed to fit your application!

Model	Diameter [mm]			Performance max [kW]					torque value max [Nm]					Speed max [m/s]				
	81	112	136	0.19	0.38	0.72	1.01	1.5	40	44	110	120	180	0.7	1.6	1.8	2.2	2.6
MTS 82																		
MTS 113																		
MTS 115																		
MTS 138																		
MTD 138																		
MTD 139																		