

## FRICION MANAGEMENT SOLUTION

SoftSlide  
technology

- Introduces an advanced and comprehensive solution for molded rubber seals embedded with 3DMicro-Texture on the seal surface.
- Improves seal performance by reducing static and dynamic friction, creating a reduction in friction and wear, and improving seal durability.
- Is backed by advanced simulations to design the (\*) DDDR Micro-Texture pattern, followed by innovative 3DMulti Axis Laser System to engrave the DDDR seal pattern on molding tools thus providing the precise and optimized friction reduction.
- Does not require any changes to the rubber formulation or changes to the counter surfaces that comes on contact with the textured seal.
- Is proven to reduce friction by up to 40% in harsh dynamic applications (backed by laboratory data).

(\*) For example: DDDR 30\_200\_200\_2.5 = Depth:30µm , Dimple Diameter:200µm , Distance:200µm, Roughness:2.50 Ra

Useful in various industrial and aeronautics applications



### AUTOMOTIVE

Brake systems, engines



### FARMING

Hydraulic actuators, engines



### AEROSPACE

Hydraulic actuators, turbines



### MINING

Hydraulic pumps and motors



### CONSTRUCTION

Hydraulic pumps and motors



### OIL&GAS

Hydraulic pumps and motors



### MARINE

Hydraulic actuators, engines



### WASTE TREATMENT

Hydraulic and pneumatic actuators



Save  
Energy

Up to 15% energy savings depending on final application



Improve  
Performance

Up to 40% friction reduction and wear



Increase  
Durability

Extended life compared to non-textured dynamic seals



European Union

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement N° 760680. Programme of the European Union.

SoftSlide Consortium:

