



# ACMOS Chemie

**Your Global Partner for  
Production Excellence in  
the Rubber Industry**

**- GRG -**



## ACMOS today

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- Family owned company in 5th generation
- 150 employees globally
  - 25% in R&D and Application Technology
- > 10,000 t/a production capacity
- ~ 55% water-based products
- ~ 70% export rate
- Worldwide distribution and service network



## Our Mission

ACMOS develops products for most efficient, safe and sustainable manufacturing processes.

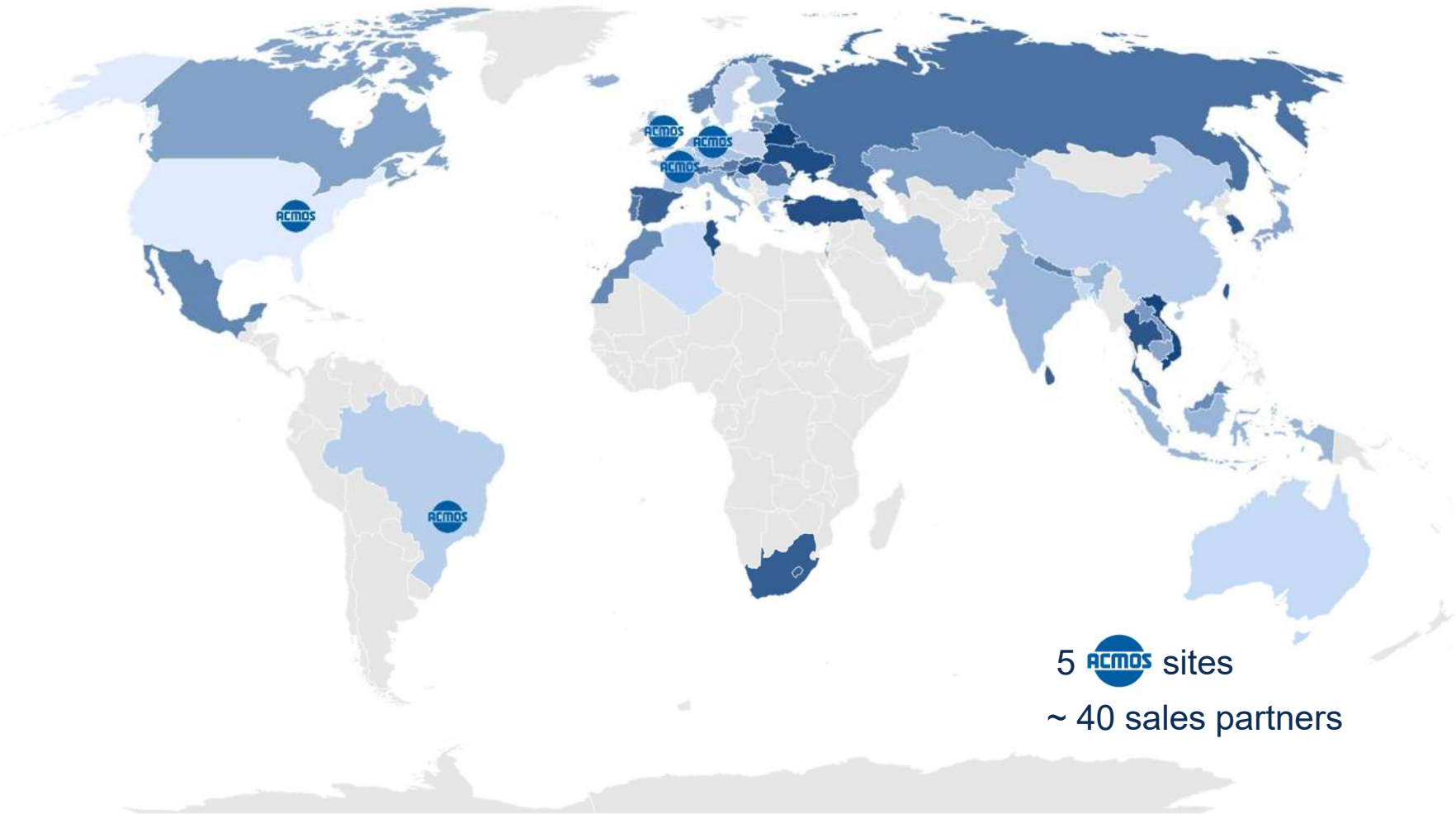
Our experienced, committed technicians and sales partners offer you fast, competent service worldwide.

Challenge us.

General Management  
ACMOS CHEMIE KG

ACMOS – YOUR SPECIALIST FOR RELEASE AGENTS AND PROCESS AUXILIARIES

# Global presence



5  sites  
~ 40 sales partners

# ACMOS stands for



## Reliability

ACMOS is your reliable partner for release agents and process aids. Our wide range of highly efficient release agents, tailored to your specific application meets your expectation.



## Optimization

The optimization of your processing procedures is our objective. Safer working conditions, reduction of release agent consumption, less mould cleaning, waste reduction, alliance with Health Safety Environmental aspects: our development targets are ambitious and always customer-oriented.



## Emission & HSE

In the development of our high-performance products, we place particular emphasis on environmental compatibility and product safety. Already today, more than 50 % of our innovative portfolio consists of water-based products.



## Expertise & Service

Our technically experienced and highly motivated employees offer worldwide service, supported by a distribution network of over 40 local partners. We share our knowledge with your operators in application trainings to achieve the best results.

# Targets



- High performance products
- Consistent product quality
- Eco-friendly processes
- Reduction of VOC emissions
- REACH compliance
- Product advancements
- Increase of productivity
- Increase in customer benefit
- Meet our customers' needs



# Product Portfolio



- Release Agents
- Sliding Agents
- Lubricants
- Cleaning Agents
- Specialties

# Main Industries



Plastics / PU



Rubber



Foundry



Glass

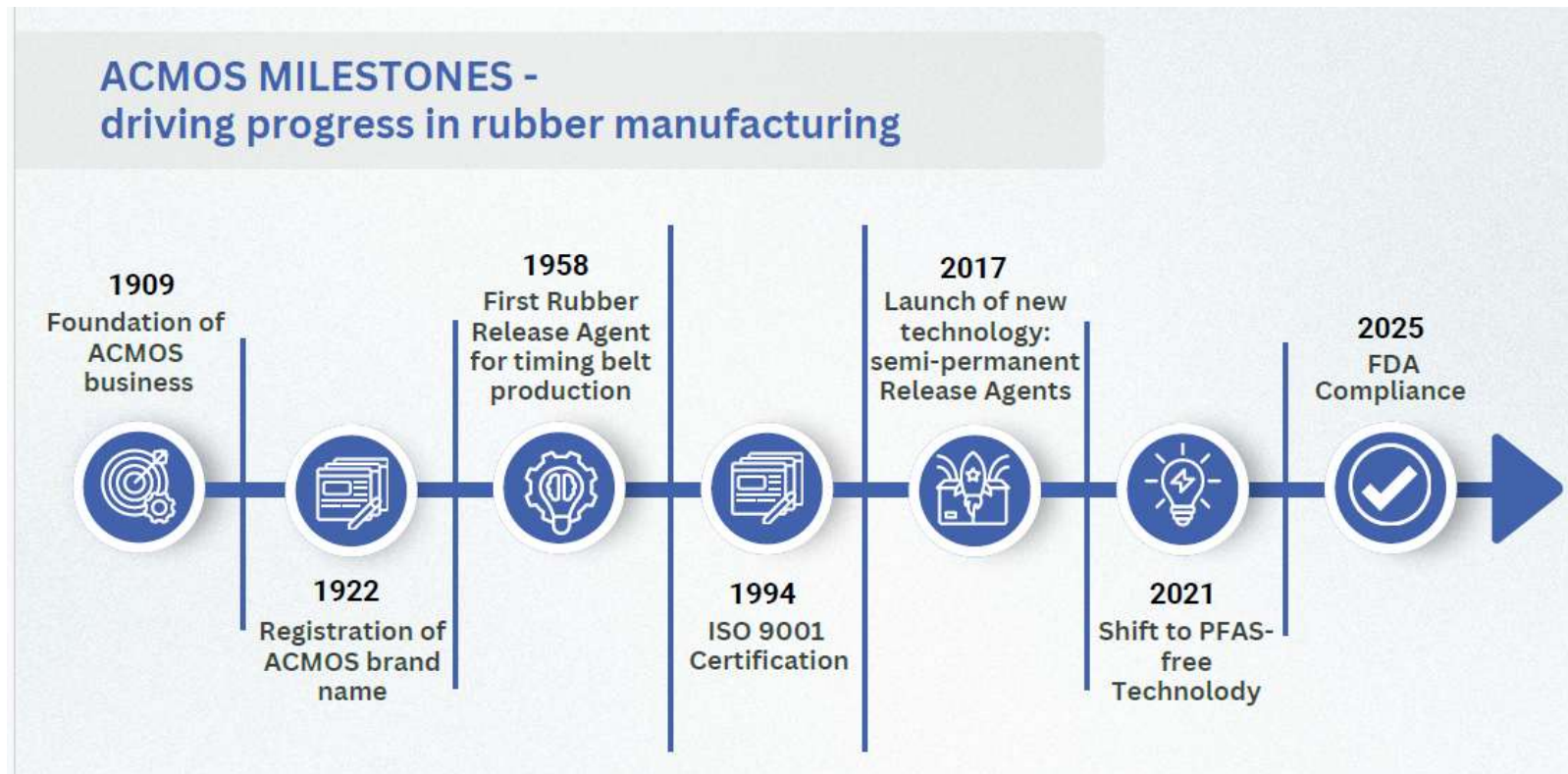


Wood

# Milestones of BU Rubber



## ACMOS MILESTONES - driving progress in rubber manufacturing



# Main Applications BU Rubber



Anti-  
Vibration  
/ NVH



Belts



Seals,  
Gaskets  
& General  
rubber



Footwear



Tires



## ACMOScoat 10-5145



- Suitable for a wide range of sulfur cured rubber types – especially but not limited to NR
- VOC and PFAS-free
- Semi-permanent
- Extreme durable film – allows many releases before touch up
- Fast curing
- Easy to apply
- Minimal mould build-up reduced cleaning cycles
- Based on formulation tested according to FDA 21 CFR 177.2600

Sulfur cured  
NR

## Case study AVB - conclusion



- Product: **ACMOScoat 10-5145**
- Process: Transfer
- Part: bushing

### Benefits

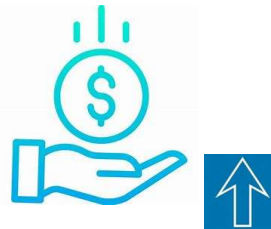
- Results: 21 cycles against 8 standard
- Scrap: 0
- Nice homogenous surface
- Clean mould

## Sulfur cured NR

### Case study AVB – Total costs



- Mould release costs 30 % of the current
- Scrap rate 50 % lower
- Cleaning cycle extended 100 %





## ACMOScoat 10-5147

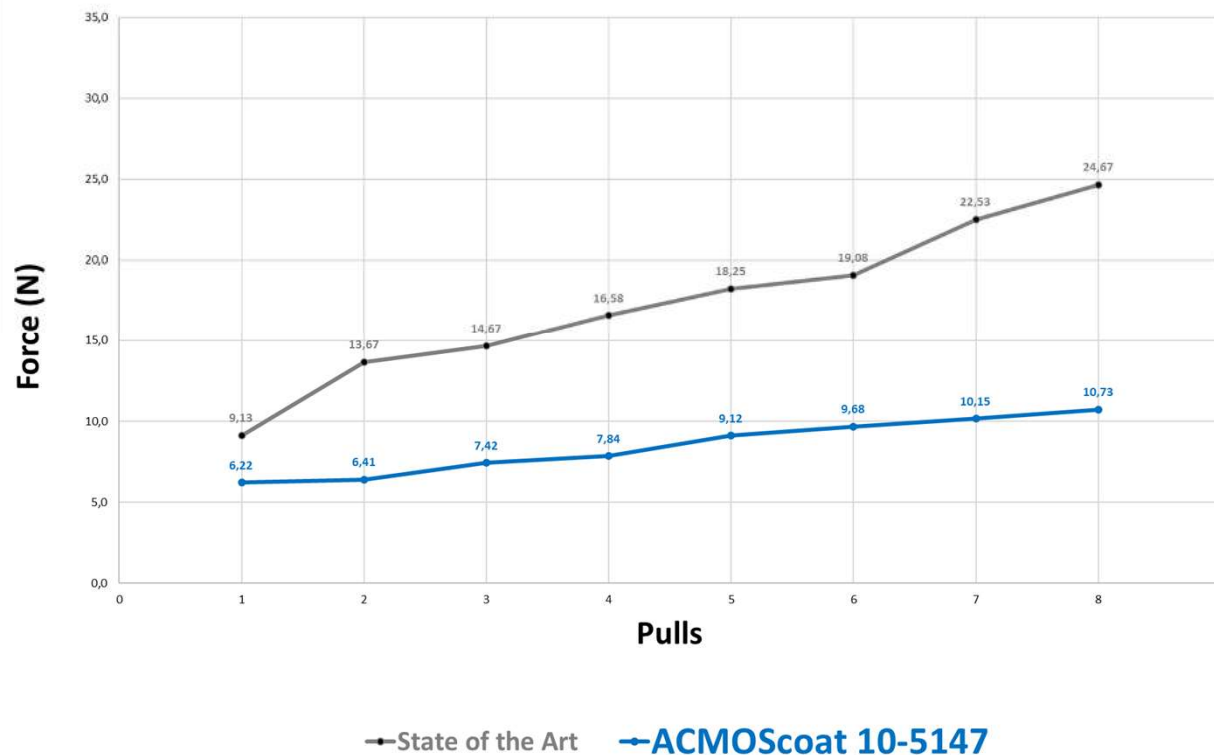


- Suitable for a wide range of sulfur cured and peroxide cured rubber types (various types)
- VOC and PFAS-free
- Semi-permanent
- Durable film – allows many releases before touch up
- Fast curing
- Easy to apply
- Minimal mould build-up reduced cleaning cycles
- Based on formulation tested according to FDA 21 CFR 177.2600

# Longevity test ACMOScoat against state of the art products



Longevity test on mold / NR / 145°C / 20 min



Less force to release  
with ACMOScoat 10-5145  
than state of the art  
technology resulted in  
a higher number of  
demouldings  
without touch up

**FDA**  
COMPLIANT  
WITH  
21 CFR 177.2600



## ACMOScoat 10-5150



- Suitable for a wide range of sulfur cured and peroxide cured rubber types (various types)
- For complex geometries which needs a high slip
- VOC and PFAS-free
- Semi-permanent
- Durable film – allows many releases before touch up
- Fast curing
- Easy to apply
- Minimal mould build-up reduced cleaning cycles
- Based on formulation tested according to FDA 21 CFR 177.2600

# COMPLIANCE UPDATE

RUBBER DIVISION



**FDA**

COMPLIANT  
WITH  
21 CFR 177.2600



**ACMOScoat 10-5145  
ACMOScoat 10-5147  
ACMOScoat 10-5150**

**OUR WATER-BASED,  
PFAS-FREE MOULD RELEASE AGENTS  
WERE CLASSIFIED AS FDA COMPLIANT**

# ACMOScoat 10-5175



- Suitable for a wide range of peroxide cured synthetic rubber types (FK, AFLAS, EPDM, Silicone (no LSR))
- For complex geometries which needs a high slip
- VOC-free
- Semi-permanent
- Durable film – allows many releases before touch up
- Fast curing
- Easy to apply
- Minimal mould build-up reduced cleaning cycles

## ACMOScoat 2-5052



- Long-lasting mould release agent provides extended runs by heat curing
- Suitable for a wide range of sulfur cured rubber types (various types)
- VOC free for environmental and worker safety
- Suitable for a wide range of elastomers
- Negligible transfer and mould build-up thereby reducing the need for mould cleaning
- Significant increase in production effectiveness



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