SOLUTIONS
FOR WOODWORKING

IMPROVE WOOD SURFACE QUALITY

KEEP MACHINERY IN PERFECT CONDITION

MAXIMISE PROCESS EFFICIENCY

CONTACT US

+49 421 5189 0
acmos@acmos.com
Bremen, Germany

WHY ACMOS?

TAILORED SOLUTIONS

We develop solutions that fit your specific process, equipment and production goals.

LABORATORY AND PROCESS ANALYSIS

Advanced laboratory and process analysis help us to understand your challenges and identify the best solution for your production.

GLOBAL NETWORK

A strong network of over 40 local partners providing fast, reliable support - wherever you are.

ACMOS - MORE THAN CHEMISTRY.
WE ARE **PERFORMANCE PARTNER.**

WHY ACMOS?

50+ YEARS OF EXPERIENCE

Decades of experience in developing Release Agents and other service products for the woodworking industry.

TECHNICAL SERVICE

Our experienced specialists work with your team to solve challenges and optimise your process.

PROVEN PERFORMANCE IMPROVEMENTS

Our product solutions deliver measurable results: cleaner processes, reduced downtime, lower usage and higher efficiency.

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ADVANCING PERFORMANCE

YOUR GOALS	ACMOS CONTRIBUTION
HIGHER QUALITY Achieve consistent, defect-free surfaces	ACMOS high-performance Release Agent reduce glue build-up and contamination on machinery and press plates
HIGHER PRODUCTIVITY Increase output and reduce downtime	Reduces cleaning, less downtime and longer press or machine running times
LOWER COSTS Reduction of consumption and operating costs	Low dosage, longer service life and less waste lead to significant cost saving
SAFER OPERATIONS Improve operator safety and reduce manual interventions	Cleaner processes and lower manual cleaning lead to a safer working environment
STABLE PROCESSES Ensure reliable production	Process-specific formulations for reliable release and consistent results
SUSTAINABLE SOLUTIONS Meet environmental targets and reduce your footprint	Water-based technologies and efficient use of resources support sustainability goals

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OUR APPLICATION

WOODWORKING / PLANING MACHINES

Lubricants for manual application and automatic feeder systems

VENEER PRESSING

Processing of veneers under pressure and heat
Use of glues and resins

EDGE BANDING

Application of edge materials to wooden plates/boards
Machine-guided processes with glue application

GLUED (LAMINATED) WOOD PRODUCTION

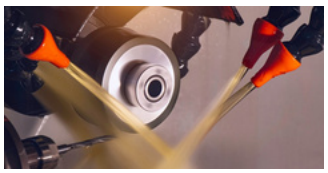
Suitable for core strip gluing and veneer jointing systems

PARTICLE BOARDS MANUFACTURING

Water-dilutable concentrate for flexible concentration adjustment on-site
Suitable for hot press plates and plywood conveyor lines

VARIOUS APPLICATIONS

Solutions for spray booth
Solvents for hard-to-reach machine areas



MAINTENANCE

Coolants for Grinding Blades (Planer, Moulder)

CLEANING

Machine and surface cleaning
Removal of resin and glue residues

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WOODWORKING PLANING MACHINES

Less friction.
Longer tool life for every machine setup.

Where wood glides over metal, on moulder tables, saw beds and planer surfaces, friction causes heat, wear and surface defects.

Our WAXILIT lubricants eliminate this friction with a thin, consistent film that protects both the wood and the machine surface simultaneously.

Whether your machines run manual application or an automatic dosing system, whether you process new fresh, wet, coarse, dry wood or particularly resinous hardwoods - there is a WAXILIT formulation matched to your setup.

WAXILIT PRODUCT OVERVIEW FOR MANUAL APPLICATION

WAXILIT 22-30P PASTE LUBRICANT FOR BRUSH OR CLOTH	WAXILIT 22-2411 UNIVERSAL LUBRICANT SPRAY
• Lubricant for contact surfaces on woodworking machines, slide rails, hinges, drawers, saw blades, milling cutters, veneer jointing machines • Wax-based paste for brush or cloth application only	• Universal Lubricant Spray for all wood-to-metal contact surfaces on machines • Provides good sliding effect & protects metal surfaces from corrosion • Ideal for smaller machines and hard-to-reach areas on saws, planers, milling machines and automatic lines

WOODWORKING PLANING MACHINES

Less friction.
Longer tool life for every machine setup.

WAXILIT PRODUCT OVERVIEW FOR AUTOMATIC FEEDER SYSTEMS

WAXILIT 22-71F / 22-74 **STANDARD AUTOMATIC FEEDER LUBRICANT**	WAXILIT 22-60 **LUBRICANT FOR WET, FRESH AND COARSE WOOD**
• For use on woodworking machines equipped with an automatic feeder, as well as free-standing frame saws and other woodworking machinery • One of ACMOS's best-selling woodworking lubricants • Optimum sliding effect where wood glides over metal • For automatic dosing via pump, pipes and nozzles • Prevents blockage of pumps, pipes and nozzles • Adjustable application amount for soft or hard wood • Optimised formulation for particularly resinous woods use, WAXILIT 22-74	• Developed for wet, fresh and coarse wood processing • Lubricating effect plus corrosion protection on metal surfaces • Suitable for manual and sprayable applications, provided the machine is equipped accordingly (i.e. automatic feeder)

YOUR ADVANTAGES

- Optimum sliding effect on all wood-to-metal contact surfaces
- Available for both manual and automatic feeder application systems
- Also suitable for slide rails, hinges, drawer slides and veneer jointing machines

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VENEER PRESSING

Press plates protection.
Veneer surfaces improvement.

In veneer pressing, the release agent has to perform under demanding conditions: high pressure, temperatures above 120 °C, and glues that bond to any unprotected surface. The cost of a wrong product choice shows up immediately in plate contamination, surface defects, and lost production time.

ACMOS Release Agents are matched precisely to your glue system, keeping press plates clean and veneer surfaces free of any residue that could affect post-processing.

YOUR ADVANTAGES

- Reliable release across all pressing temperatures, including cold pressing
- No residue transfer to veneer - safe for lacquering and bonding
- Protects press plates and allows easy glue residue removal
- Available in sprayable form for consistent, thin-film coverage

TWO TECHNOLOGIES - MATCHED TO YOUR GLUE SYSTEM

ACMOS 101-5001

PVAC, WHITE GLUES

- Reliable press plate protection at all pressing temperatures above 120°C
- Also effective on cold pressing plates
- Preventing the veneered surface from sticking to the press plates
- Easy removal of glue residues after pressing

ACMOS 1124B / B-FL

UREA & MELAMINE RESIN GLUES

- Reliable press plate protection at all pressing temperatures above 120°C
- Sprayable version for fast, even application = ACMOS 1124B FL
- No impact on wood surface or post-processing
- Suitable for anodised heating plates / press plates

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EDGE BANDING

Keep machines running.
Keep edges clean.

Edge banding machines apply edge strips material to boards using glues at high speed. The moment glue residue builds up on pressure coating rollers, conveyor belts or plastic surfaces, quality drops and cleaning downtime follows.

ACMOS Release Agent forms a thin, stable film on all contact surfaces, preventing adhesion without interfering with the gluing process itself. Matched to glue type, it keeps machines running longer between maintenance stops.

YOUR ADVANTAGES

- Prevents glue residue on rollers, belts and plastic surfaces
- Effective on metal, wood, rubber and plastic machine parts
- Designed for automatic feeders, no manual application needed
- Extends cleaning intervals and reduces unplanned stops

ACMOS RELEASE AGENTS - PRODUCT OVERVIEW

ACMOS 100-5030 HOT-MELT GLUES	ACMOS 100-81S PHENOLIC RESIN GLUES, HOT-MELT GLUES
• Forms a thin, barely visible release film • Prevents adhesion of hot-melt glue residue on machine parts • For use in automatic feeders on edge-banding machines to protect pressure rollers, conveyor belts and plastics surfaces against hot-melt glues • Water-based formulation	• Forms a plastic-visible film, which is removable with standard solvents • Effective on metal, wood, rubber and plastic surfaces • Prevents residue on rollers, conveyor belts and coater surfaces

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GLUED (LAMINATED) WOOD PRODUCTION

Excellent separation.
Visible surface improvement.

In glued and laminated wood production, the release agent must do two things at once: allow clean separation from equipment, presses and assembly fixtures, while leaving the wood surface completely uncontaminated for the bond itself.

Silicone residues are a particular risk: invisible to the eye, they cause glue failures, delamination and rejected structural components.

All ACMOS solutions for this application are silicone-free by design, covering glue systems from UF, PF and RF through to demanding PUR applications.

YOUR ADVANTAGES

- 100% silicone-free - no risk of glue failure or delamination
- Heat- and cold-stable formulations
- Suitable for core strip gluing and veneer jointing systems
- Brush, cloth and sprayable application options
- Leaves clean surfaces - no post-processing needed

THREE TECHNOLOGIES - MATCHED TO YOUR GLUE SYSTEM AND APPLICATION

ACMOS 81-400WE PHENOLIC & SIMILAR RESINS	ACMOS 103-30 / 103-40 RESORCINOL & UREA RESIN GLUES, PUR GLUES	ACMOS 100-21 UREA & MELANIME RESIN, WHITE GLUES
• Liquid, thin, white release agent • No silicones or solvents • Heat- and cold-stable • Core strip gluing system, veneer jointing & wood panels	• Silicone-free paste • Preferred for PUR glue applications • Brush or cloth application • Sprayable version: ACMOS 103-50	• Silicone-free • Brush or sprayable • Also for phenolic resins • Core strip gluing systems

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PARTICLE BOARDS MANUFACTURING

Consistent board surfaces.
Efficient press cycles.

Particle board production demands release agents that perform consistently across press temperatures, conveyor belt materials and resin systems.

ACMOS products are engineered to keep press plates and conveyor belts clean, reduce downtime between cycles and deliver reliably smooth board surfaces.

From water-dilutable concentrates to ready-to-spray liquid agents, the ACMOS portfolio covers all options.

YOUR ADVANTAGES

- Clean board surfaces with minimal release agent application
- Excellent wetting on both fibre cake and PU- or silicone-coated conveyor belts
- Cold-, heat- and storage-stable formulations
- Water-dilutable concentrate for flexible concentration adjustment on-site
- Suitable for hot press plates and plywood conveyor lines

ACMOS RELEASE AGENTS - PRODUCT OVERVIEW

ACMOS 100-5475 PHENOLIC & SIMILAR RESINS	ACMOS 100-424 PHENOLIC RESIN, UF & MELAMINE GLUES
• For MDF, HDF and chipboard production • Adjustable concentration • Outstanding wetting on fibre cake, PU- and silicone-coated conveyor belts • Low application quantities • Provides reliably clean board surfaces	• For plywood production including phenolic resin binders • For industrial production of wood boards • For thin and even application

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VARIOUS APPLICATIONS

Release solutions for spray booths, hard-to-reach machine areas and mixed-adhesive environment

Not every release challenge in a woodworking plant belongs to one process. Spray booth walls accumulate paint and varnish over weeks. Edge banding rollers, conveyor mechanisms and tool recesses collect adhesive residue from a dozen different glue types.

ACMOS provides dedicated solutions for exactly these situations: high-adhesion liquid agents that stay where applied, and universal aerosols that reach where standard applicators cannot.

ACMOS RELEASE AGENTS - PRODUCT OVERVIEW

ACMOS 71-100TS FOR SPRAY BOOTH & PAINTING WALL	ACMOS 100-2450 UNIVERSAL SPRAY FOR WOODWORKING
• Keeps spray booth walls and spraying surfaces clean — paint and varnish residues release easily, even after prolonged build-up • Liquid formulation adheres to vertical surfaces without running, even at elevated temperatures • No water sprinkling required in the booth	• Prevents adhesion of glues and adhesives • Effective against dextrin, dispersion, hide, hot-melt, white glue, phenolic, melamine and similar resins • Aerosol format reaches inaccessible areas: edge banding machines, pressure coating rollers and conveyor mechanisms

COOLANT FOR GRINDING BLADES

Maintenance product.

Grinding planer and moulder blades generates heat that degrades cutting edges and risks corrosion on both the blade and the grinding machine. ACMOSIT 65-62 coolant dissipate heat efficiently while protecting metal surfaces.

YOUR ADVANTAGES

- Water-soluble concentrates - dilute on-site to required concentration
- Built-in corrosion protection for blades and equipment

ACMOSIT COOLANT
ACMOSIT 65-62
• Special grinding coolant for grinding carbide materials • Very effective for grinding hard metals (carbide materials) as well as all standard steels and cast irons • Excellent anti-corrosion properties providing longer coolant life

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CLEANERS

Fast cleaning cycles.
Low consumption.

Resin and glue deposits on press plates, saw blades, edge banding tanks and glue spreaders are not all the same and neither are the cleaners that remove them.

The ACMOSOL range pairs each contamination type with the right active ingredient chemistry: melamine deposits on press plates, PUR and tree resin on tools, hot-melt in glue tanks, and urea or melamine resin in spreader systems all have a dedicated solution.

Choosing the right cleaner means faster cleaning cycles, lower consumption and no risk of attacking aluminium surfaces or machine paint where it matters.

ACMOS CLEANERS - PRODUCT OVERVIEW		
ACMOSOL 133-1 **PRESS PLATE CLEANER**	**ACMOSOL 130-625** **TOOL CLEANER FOR WOODWORKING**	**ACMOSITAL** **RESIN SOLVENT FOR TOOLS IN WOODWORKING**
• Removes deposits from press plates, especially effective against melamine resin contamination • Apply to cold press metal plates only	• Cleans saw blades, transport rollers and all common woodworking tools • Removes resins, glues, PUR and tree resin residues • Contains corrosion protection so that aluminium surfaces are not attacked • Avoid contact with painted or varnished machine surfaces	• Resin solvent with comparable action to ACMOSOL 130-625 • Not suitable for aluminium surfaces or supports

CLEANERS

Fast cleaning cycles.
Low consumption.

ACMOS CLEANERS - PRODUCT OVERVIEW		
ACMOSOL 130-102 **HOT-MELT GLUE TANK CLEANER**	**ACMOSOL 131-10 / 131-20** **GLUE SPREADING MACHINE CLEANER**	**ACMOSOL** **PLASTIC SURFACE CLEANER**
• For hot-melt glue containers and storage tanks, e.g. on edge banding machines • High flash point ensures easy, safe handling during tank cleaning	• For glue dispensing / spreading machines, collection tanks and agitators • 131-10 for urea, melamine and similar resin residues • 131-20 for hot-melt glue residues	• Effective against grease, dirt, pencil, ballpoint pen residues and fingerprints • Dilutable with water for a flexible concentration depending on the degree of contamination

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LET US IMPROVE YOUR WOODWORKING PROCESS TOGETHER

Dalibor Janjevski
Sales Manager Woodworking Division
+49 421 5189 214
djanjevski@acmos.com

Oliver Hailer, Dipl. Ing.
Research and Development Woodworking Division
+49 421 5189 850
ohailer@acmos.com

CONTACT US

www.acmos.com

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