

> The solution used

**Start-up Paste (Randocast S Series)**

Provides initial lubrication and protection during machine start-up to prevent metal adhesion.

**Plunger Lube (Randocast P Series)**

Reduces friction between plunger tip and sleeve, preventing wear and metal sticking.

**Spray Lube (Randocast A Series)**

Ensures smooth mold release, improves surface quality, and extends die life.

**Cleaner (Lube-Clean Series)**

Removes carbon deposits and lubricant residues from dies and equipment surfaces.

**Heat Treatment (Rando-Quench Series)**

Enhances die durability, hardness, and resistance to thermal fatigue.



> Oils&Chemical

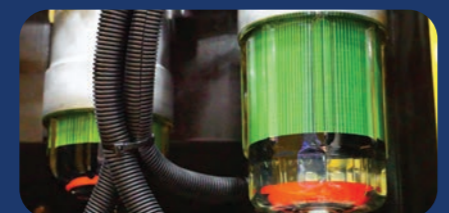
**Greenex (Bio-Cleaner)**

Biodegradable cooling tower formulated to effectively remove scale, rust, and contaminants from cooling systems without damaging equipment materials. Designed with safety and environmental care in mind, it ensures efficient cleaning performance while being user- and eco-friendly.



**Hydraulic Oils (Randerhyd AW, HFDU, HFC)**

High-quality anti-wear / fire-resistance hydraulic oil designed for power transmission and control systems in both industrial and automotive applications. It provides excellent lubrication and efficient pressure transfer, suitable for use with gear pumps and vane pumps.



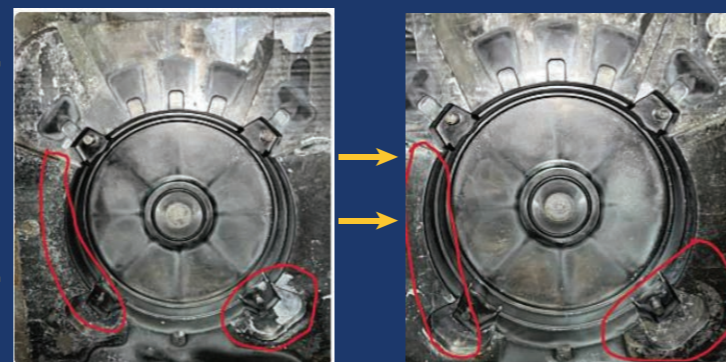
**Slideway Oil (Rander Way Series)**

Slideway Oil from 98Oils is specially formulated to lubricate machine slideways and moving surfaces. It contains anti-wear and anti-stick-slip additives to ensure smooth motion, reduce chatter, and enhance metal-to-metal adhesion for precise and stable operation.



**Wax-Free: Leaves No Residue on Die**

Regular Release Agent (After 24 hrs)



RHINOS 1 Week

# RANDOCAST

## Die Casting Lubricant

**Benefits**

- Reduces Clogging in Nozzles and Filters
- Superior Release Performance at High Temperatures

> Tools

**Ladle**

Transfers molten aluminum safely and efficiently into the shot sleeve.



**Plunger Sleeve**

Guides the plunger movement and maintains stable injection performance.

**Cermet Sleeve**

High-wear resistant sleeve material for extended service life and reduced maintenance.

**Hand Spray Gun**

Manual spraying tool for precise lubricant application.



**Automatic Mixing Tank**

Automatically controls dilution ratio for consistent lubricant concentration.



CHS-ASIA Chemical Co.,Ltd.

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# CHS-ASIA CHEMICAL CO.,LTD.

We specialize in advanced die casting lubricants that improve production efficiency, product quality, and cost-effectiveness—while remaining environmentally responsible. Our team provides ongoing technical support and custom-formulated solutions to meet diverse customer needs.

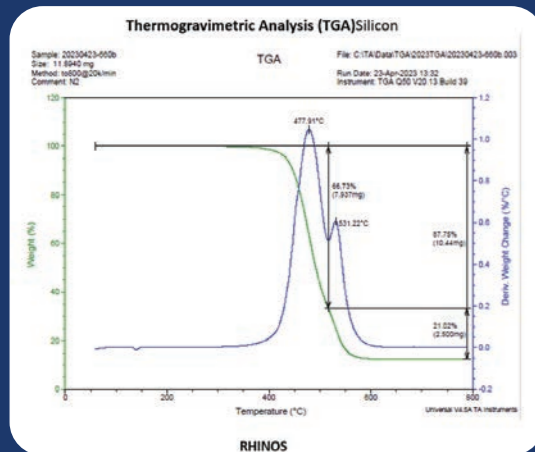
## RHINOS TH™ : Technology

Different Functions Cover Multiple Demands

Lubrication | Siloxane-Polysiloxane Paintability | Hydrolysis Stability | Thermal Stability | Compatibility | Excellent Release | Film Formation



Rhinos Technology is our proprietary long-chain alkyl polysiloxane polymer, engineered for peak performance. It allows higher die temperatures while delivering exceptional release properties ideal for manufacturing large, complex parts with unmatched precision and efficiency.



## RHINOS TH™ : Performances

- ✔ No porosity. ✔ No stains. ✔ Shorter cycle time.
- ✔ Better piece quality. ✔ Less release agent consumption.
- ✔ Less nozzle and chillvent blocking – wax free.
- ✔ Optimized Price-to-Performance Ratio.
- ✔ Clean Casting Pieces and Die Surfaces.
- ✔ New Technology.

## RHINOS TH™ : Technology

- ✔ Multi-Functional Performance for Maximum Efficiency. ✔ Precision Film Formation.
- ✔ Superior Lubrication. ✔ Siloxane-Polysiloxane Printability. ✔ Excellent Compatibility.
- ✔ Advanced Release Properties. ✔ Hydrolysis & Thermal Stability.

## Die Lubricant

RANDOCAST SERIES	DESCRIPTION	TYPE				LUBRICATION TYPE				CASTING			
		WATER BASE	FILM FORMATION ON MOLD SURFACE			PERFORMANCE				APPARENCE			
			SOFT	MEDIUM	HARD	NORMAL	MEDIUM	GOOD	VERY GOOD	NORMAL	GOOD	VERY GOOD	
Randocast A601	General-purpose die lubricant with moderate release performance.	✔	✔			✔					✔		
Randocast A602	Improved lubrication and wetting ability for smooth surface finish.	✔	✔			✔					✔		
Randocast A603S	High-efficiency die lube offering improved coverage and cooling.	✔			✔						✔		✔
Randocast A604	Balanced formula for stable release and reduced buildup.	✔			✔				✔				
Randocast A605	Versatile lube for consistent casting and good surface finish.	✔			✔					✔		✔	✔
Randocast A606	High-solid content lube for tough die casting operations.	✔			✔					✔			✔
Randocast A607	Light-duty lubricant for clean and economical application.	✔	✔			✔					✔		
Randocast A608	Premium performance die lube for complex casting geometries.	✔			✔						✔		✔
Randocast A609	Heavy-duty lube designed for high-temperature and long-cycle casting.	✔			✔						✔		✔
Randocast A611	Optimized for smooth release and balanced cooling.	✔	✔			✔					✔		

## Plunger Lubricants

RANDOCAST SERIES	DESCRIPTION	TYPE					LUBRICATION TYPE				CASTING			
		WATER BASE	OIL BASE	BEADS	GRAPHITE	NON GRAPHITE	PERFORMANCE				APPARENCE			
							NORMAL	MEDIUM	GOOD	VERY GOOD	NORMAL	GOOD	VERY GOOD	
Randocast PL20	Oil-based plunger lube for standard pressure casting.		✔			✔			✔				✔	
Randocast PL200	High-viscosity oil for enhanced sleeve-tip lubrication.		✔			✔			✔				✔	
Randocast PL70	Economical oil-based lube for general-purpose plunger applications.		✔			✔			✔				✔	
Randocast PL31S	Water-based plunger lube for clean and eco-friendly lubrication.	✔							✔		✔			
Randocast PLW2	Non-graphite, easy to handle. Provides smooth plunger movement and uniform coating.			✔		✔		✔					✔	
Randocast PLB2	Solid bead lubricant for reducing sleeve-tip friction and wear.			✔	✔						✔		✔	

## RANDOCAST SB

### Coating for ladle.

Randocast SB is a special pigmented refractory coating with excellent adhesion, specially designed for ladles in aluminum die casting. It reacts with the ladle surface to form a durable, long-lasting protective layer, ensuring maximum resistance to molten aluminum and extended ladle life.



## RANDOCAST SL

### A lubricant designed for production start-up and for areas prone to sticking between the mold and the workpiece.

Randocast SL is a high-performance graphite-based lubricant paste designed for efficient production start-up and reliable workpiece release in complex die-casting applications. It is easily applied to heated molds, ensuring smooth release even under the most demanding conditions.



## RANDOCAST SV

### Lubricants for initial production and critical points.

Randocast SV is a premium aluminum-based paste lubricant engineered for efficient start-up and reliable release in complex die-casting applications. It applies easily to hot dies, delivers smooth part removal, enhances surface gloss, and helps extend die life.



## RANDOCAST SM

### Protective for die surfaces exposed to high temperatures.

Randocast SM is a high-performance, high-temperature separation paste formulated to prevent seizing of moving and bolted components under heavy loads and extreme temperatures. It delivers excellent anti-seize and sealing performance, ensuring easy assembly and disassembly even after prolonged high-temperature service.



## RANDOCAST GR01

### Start-Up Paste.

Is Start-Up Paste, a grease type formulated from aluminum complex grease that offers excellent water resistance and a high dropping point, making it suitable for a wide range of industrial applications. It is formulated with rust and oxidation inhibitors, along with high-quality base oils, to ensure outstanding thermal stability and a long service life. Extreme-pressure and anti-wear additives provide reliable protection under severe shock loads for bearings, slides, pins, bushings, and other highly stressed components.

