



MicroDose™ PLUNGER LUBRICANTS

Chem-Trend is a world leader in clean, engineered plunger lubricants that can provide exceptional anti-wear performance even in large plunger systems. Our high efficiency products typically can be used at about half the feed rates of conventional plunger lubricants .

MicroDose™ BENEFITS

Health, Safety & Environmental (HS&E)

- Reduction of emissions due to elimination of smoke and flame that occur when granulates are used
- Improved indoor air quality (IAQ) as well as improved housekeeping thanks to clean shot-end
- Reduced maintenance and downtime for cleaning
- Improved safety resulting from lower risk of shot-end fire as well as reduced risk of slip and fall due to oil residue on the floor

Quality improvement

- Lower application rates lead to reduced oil contamination and defect reduction
- Reduced surface defect (staining)
- Reduced post treatment

Shoot sleeve Ø 90	Pellet Lubricant	MicroDose™
Consumption**	2.5 gram/shot	0.5 gram/shot
Lubrication	Good	Very good
Casting Quality	Good	Very good
Flame Formation	High	Very limited
Smoke Tendency	High	Very low
Vacuum Filter Cleaning**	1 x Shift	1 x Week

** Dependant upon many casting variables. Figures based on comparison of a typical application.

LUBRICATION UNIT FOR DIE CASTING MACHINE

The precise dosing unit features a sturdy design, manufactured to a high standard with a tank and housing made of stainless steel. The unit is also suitable for highly viscous lubricants.

- Fast and complete lubrication around the piston
- Continuous adjustment of the lubricant-dose from 0.5 - 6.0 ml
- Durable, long-lasting heavy duty construction
- Available in spray or drop version



Chem-Trend Service and Know-How

1. Our team will conduct a thorough analysis of production parameters on site and recommend the plunger lubricant best suited to meet your needs. One extremely important parameter for example is the temperature of the plunger and the sleeve.
2. Our experienced application engineer / technician will be at your side partnering and consulting throughout the process.
3. Learn more about the benefits of Chem-Trend's MicroDose™-technology and request a complimentary on-site trial.

Theilub is available in Germany, England, Italy, France, Spain by Chem-Trend. For any other country, please contact Theilinger Automation and Papiertechnik GmbH, Neumeyerstr. 17, 90411 Nürnberg, Germany, phone +49 911 58183 0, info@theilinger.de, www.theilinger.de