

# Plunge into Precision

ECO-CONSCIOUS EFFICIENCY FOR DIE CASTING



## Eco-Dive into Micro-Dose™ Lubrication

### Harnessing Nature's Power for Advanced Plunger Lubrication

Chem-Trend® PL-760 plunger lubricant allows for a leap forward in die casting lubrication, combining high performance with an eco-friendly approach. Our innovative formula delivers unparalleled results while prioritizing the health of your workplace and the environment.

### MICRO-DOSE MASTERY: TAILORED APPLICATION OF CHEM-TREND® PL-760 FOR DIE CASTING

Chem-Trend® PL-760 is precisely applied using specialized micro-dosing equipment, tailored for Cu/Be plungers. While primarily designed for plunger application, it can also be introduced into the shot sleeve to enhance lubrication when necessary. The optimal quantity varies based on plunger size and the thermal dynamics of your system, with precise dosing determined through careful evaluation.

### BENEFITS

- **High load carrying capacity:** Ensures reliable performance under demanding conditions.
- **Strong adhesion:** Maintains effectiveness even at elevated temperatures.
- **Excellent temperature stability:** Performs consistently across a range of operational climates.
- **Environmentally responsible:** Free from fumes, smoke, and flames, safeguarding both your team and the planet.
- **Vacuum filter cleaning intervals reduced:** Minimizes maintenance efforts, enhancing operational efficiency.

Consumption**	< Ø 60	0,2 - 0,3 gram/shot
	Ø 60 - 80	0,3 - 0,4 gram/shot
	Ø 80 - 110	0,4 - 0,6 gram/shot
Lubrication	Very good	
Casting Quality	Very good	
Flame Formation	None	
Smoke Tendency	None	

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

Contact Chem-Trend to find out more about how our release agents and specialty products can improve your composites operations.

[DE.CHEMTREND.COM](http://DE.CHEMTREND.COM)

 **Chem  
Trend**

Release Innovation™

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# Precise Micro-Dosing

HARDWARE TO YIELD YOUR TOOLS FROM WEAR



## 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
- Individually adjustable dosing of lubricant from 0,25 - 2,0 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.

Please reach out to your regional Chem-Trend sales representative for detailed information on the recommended devices for applying Chem-Trend micro-dose plunger lubricants.

