

THE (R)EVOLUTION IN
PRECISION AND VERSATILITY.

▶ **TOP 5100**
DOSING SYSTEM



NEW

24
MONTH
WARRANTY



TRY-IT-FIRST
TEST **FREE OF**
CHARGE &
WITHOUT
OBLIGATION

TOP CONVEYED
TOP MIXED
TOP IN USE



DOSING WITH FLEXIBILITY AND PRECISION.

The all-rounder among dosing systems impresses with its versatility and adaptability. Whether for standard applications or special requirements - our TOP 5100 can be optimally configured to your individual needs. With maximum process stability and a precise mixing ratio, the dosing system not only guarantees excellent part quality, but also exceptional cost-effectiveness.

POWERFUL

- ▶ Delivery rate more than 5 liters/minute / 1.32 gallon/minute*
- ▶ Max. Pump pressure 230 bar / 3336 psi

STABLE & PRECISE

- ▶ Stable pressure curve during dosing thanks to material pressure limiter
- ▶ High-precision volume counters guarantee exact mixing ratios and maximum process stability.
3.9 µl/Imp (256.000 Imp/L)

ECONOMIC EFFICIENCY

- ▶ Material utilization per container up to 99.6 %
- ▶ High-quality components = service life of 20+ years
- ▶ Low maintenance costs

ENERGY EFFICIENCY

- ▶ Electrical energy consumption approx. 50 Wh
- ▶ Minimal idling losses - no pressure loss

VERSATILE IN USE

- ▶ UL and CE compliant (FDA optional)
- ▶ Widest viscosity range on the market: 0.001 to 3000 Pas** (16.000 Pas***)

SAFETY

- ▶ Safest system on the market (EN ISO 13849-1)
- ▶ Air detection

USER-FRIENDLY

- ▶ OPC UA communication protocol (optional)
- ▶ Intuitive and simple operation
- ▶ Easiest guided drum change

PROCESSING UNIT 40D12

- ▶ Modular design
- ▶ Flow-optimized
- ▶ Integrated cooling
- ▶ Simple clamp connection
- ▶ Easy cleaning (step by step video)
- ▶ 45° & 90° connection

ADDITIVE LINES

FLEXIBLE & PRECISE

- ▶ Additive container: 1 l / 4 l / 20 l
0.26 gal / 1.06 gal / 5.28 gal
- ▶ Controlled additive supply
(resolution < 0.1 µl/Imp)

* Measured with silicone oil at $\dot{\gamma}=10 \text{ 1/s}$ $\eta = 2.7 \text{ Pas}$ (A+B component)

** $\dot{\gamma}=10 \text{ 1/s}$ | *** $\dot{\gamma}=0,2 \text{ 1/s}$

**MORE THAN
25 YEARS OF
EXPERIENCE**

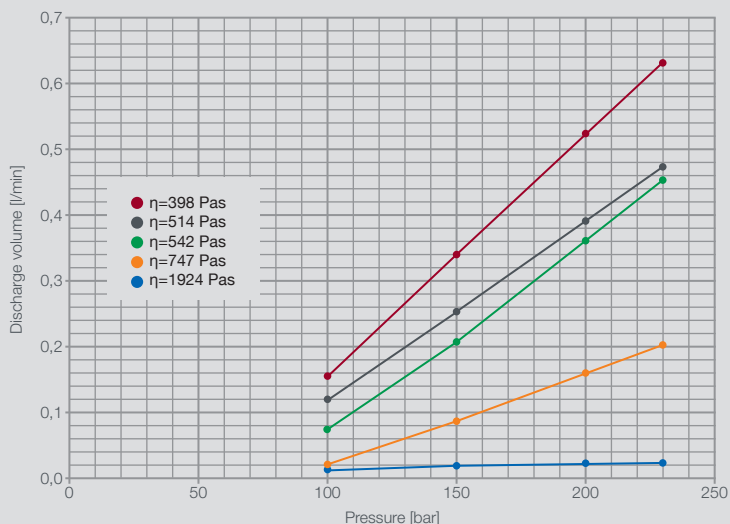
ELMET 
SMART SILICONE SOLUTIONS

TECHNICAL INFORMATION TOP 5100

Dimensions L/W/H	1150 x 790 x 1965 (2445) mm 45.3 x 31.1 x 77.4 (96.3) inch
Drum sizes	200/20 liters 55/5 gallons
Drum change	3 sides (180°) in 2 minutes automatically guided
Usable materials [Pas]**	0.001 to 3000
Delivery rate per component @ 2.7 Pas	> 2350 cm ³ /min
Maximum delivery pressure	230 bar / 3336 psi
Power supply	100 - 264 VAC, 4 A
Air supply	6 bar – 1000 NL / min (1/2")
Additive lines	max. 6
Static mixer	1 Standard (Expandable)
Volume counter	Yes
Certifications	CE, UL, RoHS (FDA optional)
Eco-Mix (Simultaneous drum emptying)	Standard

Fix-Mix (Freely selectable mixing ratio)	Optional
Shore-Mix	Optional
LSR Select	Optional
Barcode drum detection	Optional
Drum lifter	Optional
Wheels	Optional
Customized paint work	Optional
Process documentation USB	Standard
OPC UA	Optional
Euromap 82.3	Optional
Remote maintenance via VNC	Optional
Premium Connectivity	Optional
Simplex (1 dosing system to 2 IMM)	Optional
Tandem (2 dosing systems in alternating operation)	Optional

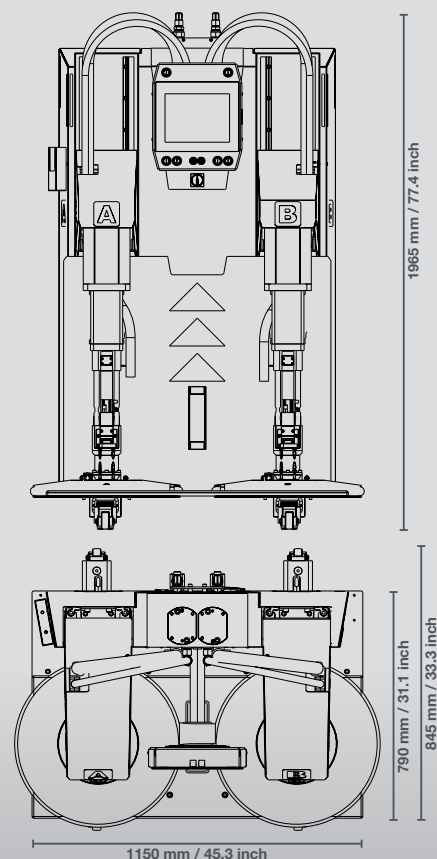
DELIVERY RATE PUMP UNIT M



Viscosity measured at $\dot{\gamma}=10/s$



**TOP 5100
LEARN
MORE**



MOLDS.
DOSING TECHNOLOGY.
PRODUCTION SOLUTIONS.



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ELMET 02/2025

FOR MORE THAN 25 YEARS

we have been developing customized, innovative solutions for our customers. As a global high-end full system and service provider for the processing and dosing of liquid silicone (LSR), we at ELMET are among the leading specialists in this field.



SMART SILICONE SOLUTIONS

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