



# smartLine COMPACT POTTING EQUIPMENT

EFFICIENT. MODULAR. MOBILE. : **SMART**

The new **smartLine™** compact potting system from the premium provider in vacuum technology.

Thanks to HEDRICH's high process expertise combined with the use of the latest technologies, the system delivers perfectly prepared and degassed material for all potting applications.

The **smartLine™** ensures high process reliability and offers high performance even for complex components and the highest quality requirements.

The system concept can be configured for any type of application.

Whether potting under vacuum or atmospheric pressure or for manufacturing according to the Automatic Pressure Gelation process (APG), the size of the mixing vessels, the type of dosing/conveying, and the heating can be modularly assembled for the specific application.

The **smartLine™** is easy and intuitive to operate and features an exceptionally maintenance-friendly design.

**Conclusion:** A modern and full-fledged HEDRICH vacuum potting system in an ultra-slim tailored suit.



## Benefits of the **smartLine™** Preparation unit

- ▶ Simultaneous preparation/dosing of 2 components
- ▶ Heating up to 90° C
- ▶ Vacuum down to 1 mbar
- ▶ Thin-film vacuum degassing
- ▶ For filled and unfilled resin systems
- ▶ Suitable for dosing devices or for direct dosing

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The compact and mobile design, as well as the freely combinable mixer sizes for components A and B (30/45/60 liters), make the **smartLine™** preparation unit universally applicable in the manufacturing process.

Whether for series production or test pottings in various applications, the **smartLine™** is equipped for all tasks thanks to the latest HEDRICH dosing and preparation technology. Even highly filled resin systems with abrasive fillers pose no problem for the **smartLine™**.

### Applications:

- ▶ Vacuum- and atmospheric potting
- ▶ Automatic pressure gelation (APG)

### TECHNICAL DATA - PREPARATION UNIT

<b>Mixer Sizes:</b>	30/45/60 liters
<b>Delivery Volume:</b>	0.1 - 2 liters/min
<b>Viscosity Range:</b>	up to 10,000 mPa.s
<b>Degassing Vacuum:</b>	down to 1 mbar
<b>Heating Temperature:</b>	up to 90°C
<b>Electrical Supply:</b>	3x400V AC/N/PE 50Hz /32A
<b>Dimensions (LxWxH):</b>	2000 x 830 x 1400 mm
<b>Weight:</b>	approx. 980 kg (depending on equipment)
<b>Control System:</b>	Siemens



### Options for the mixing system:

The static mixer can be connected directly to the vacuum chamber or to a single- or multi-piston dispenser. An optional dynamic mixing head is also available.

### Options for the vacuum chamber:

The **smartLine™ VP** can be equipped with an integrated camera that provides an optimal view of the components during potting.

The vacuum chamber is available with either front or side loading (tunnel system). A multi-chamber system with an entry and exit chamber is also available.

### TECHNICAL DATA - VACUUM CHAMBER

<b>Travel area XYZ</b>	500 x 300 x 100 mm
<b>Potting area XY</b>	400 x 300 mm
<b>Travel Speed:</b>	up to 500 mm/s
<b>Vacuum:</b>	down to 1 mbar
<b>Compressed Air Connection:</b>	6 bar
<b>Electrical Supply:</b>	3x400V AC/N/PE 50Hz /16A
<b>Dimensions (LxWxH):</b>	1490 x 1335 x 1750 mm
<b>Weight:</b>	approx. 825 kg (depending on equipment)
<b>Control System:</b>	Siemens