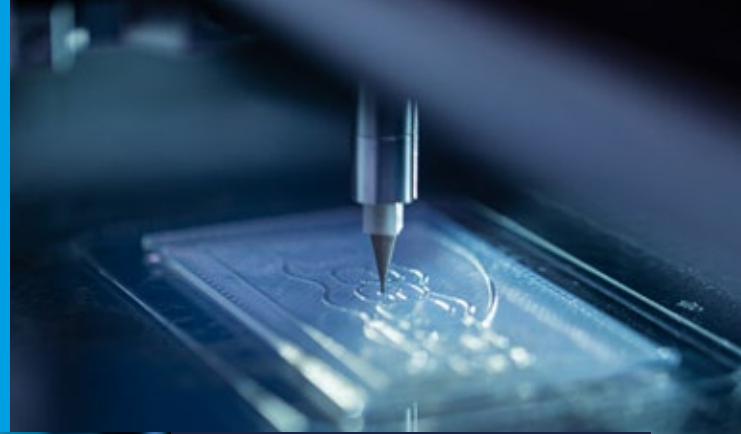


Print Heads for Viscous Fluids & Pastes



**SOLUTIONS FOR YOUR
EXTRUSION BASED ADDITIVE
MANUFACTURING.**



Fluids & pastes perfectly dosed.



OUR PRINT HEADS



1-COMPONENT

Technical data	vipro-HEAD 3	vipro-HEAD 5	vipro-HEAD 3/3	vipro-HEAD 5/5
Theoretical volume flow (ml/min) ^(2, 4)	0.03 to 3.3	0.05 to 6.0	0.06 to 6.6	0.1 to 12.0
Weight (g)	approx. 750	approx. 750	approx. 1100	approx. 1100
Size (cm)	approx. 25	approx. 25	approx. 26	approx. 26
Layer thickness (µm) ⁽¹⁾	approx. ≥ 100	approx. ≥ 300	approx. ≥ 150	approx. ≥ 300
Dosing accuracy (%) ⁽³⁾	± 1	± 1	± 1	± 1
Most used materials	Silicones Abrasive pastes Waxes Acrylates Etc.		Silicones Polyurethanes Epoxy resins Acrylates Etc.	

⁽¹⁾ Depends on material.

⁽²⁾ Depends on viscosity and primary pressure.

⁽³⁾ Volumetric dosing as absolute deviation in relation to one dispenser revolution.
Depends on the viscosity of the material.

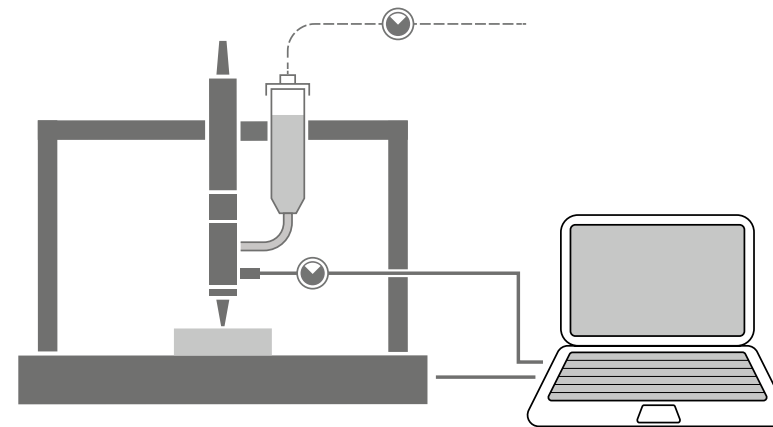
⁽⁴⁾ Higher speed causes increased wear.



2-COMPONENT

EASY INTEGRATION INTO EXISTING 3D PRINTERS

- Easy mounting to existing 3d printers
- Actuation via stepper motor driver signals (24 V) or Step/Direction-Signals (3.3 V/5 V)
- Control via G-Code
- Compatible with most common slicers
- Option to monitor the printing process through pressure sensors



MODULAR SYSTEM

Based on our process expertise, your system is adapted individually to your operations - including engineering and project management.

Optional heating of material and print head up to 70 °C

Optional additive delivery system





Read it.

For further insight into the world of dosing technology and ViscoTec's innovative products and applications, visit our website!



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