

# VACUUM TANKS

Produced entirely in Germany

**bellaform**  
the better solution

MACHINES AND EQUIPMENT  
FOR PLASTIC PROCESSING

## Robust and maintenance-compatible

Bellaform has already delivered more than 500 vacuum tanks for extrusion systems around the world. The tanks are characterised by a robust and maintenance-compatible design, in which the vacuum is produced via Venturi nozzles.

The vacuum tanks additionally have a water collection tank with control and pump that ensure that the cooling water is returned to the cooling system.

Bellaform offers two vacuum tanks for different product diameters each [25–50 mm]. Both versions can be combined easily with any of our extrusion lines.



## Expansions:

- + The longer retention time permits better diameter control** with a longer trough of 3.00 m.
- + More space for work on the format set and the calibration tool** by increasing the movement range [extrusion direction] to 250 mm.
- + Both chambers are equipped with an electrical temperature measurement and electrical pressure monitor.** These data are also displayed and saved for analysis purposes.
- + The longitudinal adjustment is motor-powered and can be moved with integrated path measurement.**
  - + Within the scope of the complete production data recording, the position is displayed and stored.
  - + The vacuum tank adjusts independently to a vacuum loaded from the recipe and the matching distance from the spraying head.
  - + Manual fine adjustment is possible additionally, which may also be taken over to the product list.
  - + The tank is moved to the end position in case of faults or stop in order to prevent materials flowing in from being pressed into the calibration tool.
- + The water pump for the Venturi system is speed-controlled.**
  - + Only the vacuum that is actually needed will be produced [power saving].
  - + Noise development will be reduced.
  - + A constant vacuum is preserved at a low vacuum.
- + More space to collect „dripping material“** by increasing the front protrusion [extrusion side].
- + The product diameter control that has been tried and tested for many years** via laser outer diameter measurement and vacuum control has been preserved.

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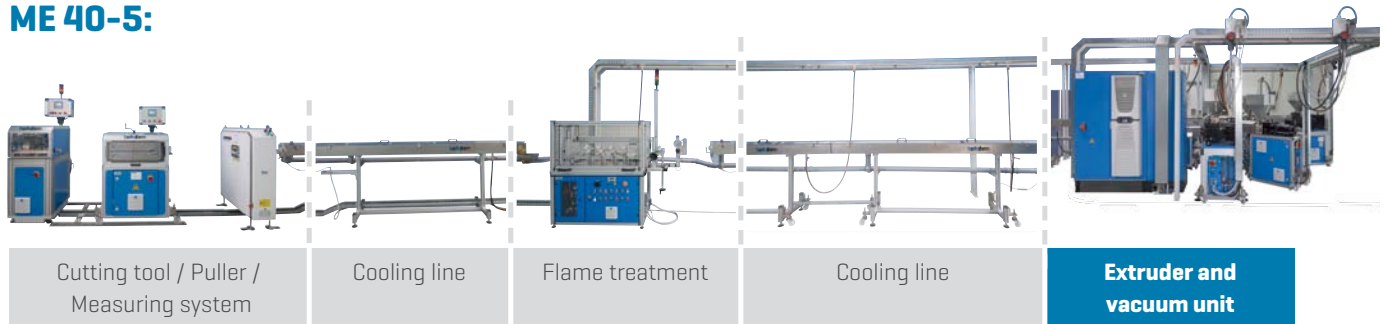
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## Technical data

	VT 40/II	VT 80/II
Max. product diameter (mm)	25	50
Number of chambers	2	2
Vacuum system	Venturi	Venturi
Pump output (kW)	2 x 2.2	3 x 2.2
Number of Venturi nozzles	2	2
Trough cross-section (mm)	200 x 200	300 x 300
Trough length (m)	3.0	3.0
Weight (kg)	410	480
Spray cooling (optional)	optional	optional

## Overview of the multiple-layer extrusion system

### ME 40-5:



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