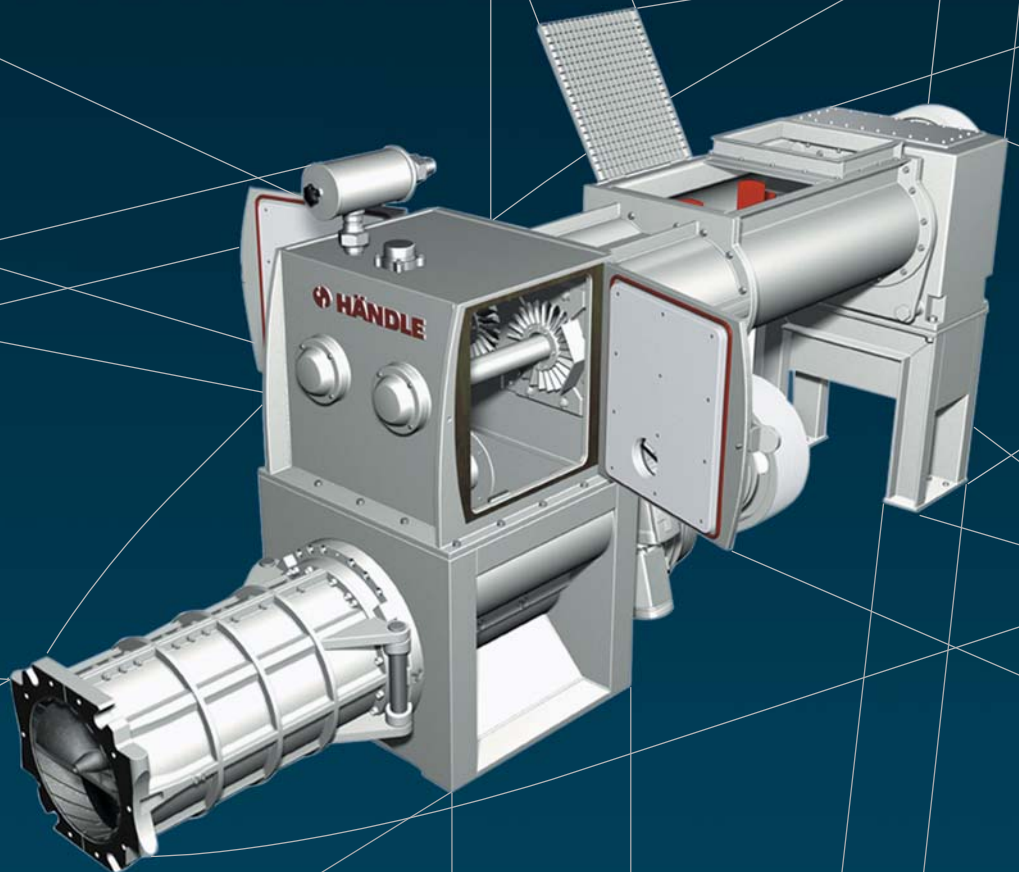


Our main strengths are the experience gleaned from the supply of more than 5000 extruders and our systematic approach to the practical implementation of cutting-edge scientific insight. Not for naught we are a leader in extrusion technology

## Combined de-airing extrusion units Futura II

*E*



# The HÄNDLE FUTURA II series

HÄNDLE offers a complete line of combined de-airing extrusion units for a broad range of applications. Our units are of modular design, comprising extruders and de-airing mixers of various size. In designing our Futura II extruder, HÄNDLE systematically implemented the latest in mechanical- and process-engineering know-how pertinent to extrusion

technology - and the resultant products boast accordingly favorable price-performance ratios and customer-benefit orientation. Available with barrel diameters of 200 to 750 mm, maximum extrusion pressures ranging from 24 to 65 bar and volumetric throughputs of 0.2 to 60 m<sup>3</sup>/h compact (0.3 to 105 t/h wet).

## Defining characteristics

- Maximum throughput thanks to optimized filling of the de-airing chamber
- Durability and low maintenance requirement at maximum operational stress tolerance thanks to robust gearing and minimized wear
- Low energy consumption coupled with (optional) permanent operating-data acquisition
- Better-than-ever vacuum conditions thanks to large de-airing chambers
- Optimal "vacuum tightness" throughout the system, plus easy maintenance
- Uniform column advance thanks to optimized auger geometry



Inside the extruder body with its paddle shafts and cast paddles

## Technical data

TYPE	Barrel diameter	Extrusion pressure <sup>1</sup> (max.) bar	Volumetric throughput <sup>2</sup> m <sup>3</sup> /h compact	Throughput capacity <sup>2</sup> t/h wet	Power requirement kW
	mm				
E 25a/ 20	200	50	0,2 - 1,9	0,3 - 3,3	19 - 45
E 25a/ 25	250	35	0,5 - 3,5	0,8 - 6,2	19 - 45
E 40b/ 35	350	65	2 - 14	3,5 - 24,5	25 - 180
E 40b/ 40	400	50	3 - 20	5,5 - 35	25 - 180
E 56a/ 45	450	50	9 - 23	16 - 40	100 - 250
E 56a/ 50	500	40	11 - 28	19 - 49	100 - 250
E 56a/ 56	560	30	12 - 30	21 - 53	100 - 250
E 65a/ 56	560	35	17 - 39	30 - 69	120 - 300
E 65a/ 60	600	30	21 - 44	37 - 77	120 - 300
E 65a/ 65	650	24	23 - 48	40 - 85	120 - 300
E 75a/ 65	650	35	26 - 54	46 - 95	120 - 380
E 75a/ 70	700	30	17 - 57	30 - 100	120 - 380
E 75a/ 75	750	25	18 - 60	32 - 105	120 - 380

<sup>1</sup> Extrusion pressure = axial thrust

<sup>2</sup> Volumetric throughput and throughput capacity depending on extrusion compound, auger speed and cross-section of the column

Subject to technical modification due to ongoing development.