High-performance, high-precision and efficient

Highly productive

The PET-Line is designed for continuous operation in preform production. All axes move at the maximum possible speed.

They reliably produce your preforms in excellent quality and with high availability.

Energy efficient

Optimised axes and recovery of braking energy make the PET-Line the most economical preform system on the market.

You save energy costs and reduce your company's ecological footprint.

Sustainable

We want PET to stay in the cycle. That's why we have developed plasticising with a new screw for PET and recycled PET.

You benefit from a large process window as well as low AA values and a low IV drop.

Symbol image (series)

Product comparison

		Throughput, max.	880 kg/h	1220 kg/h	1600 kg/h
PET-Line | 3000-4000	Shot weight in PET	3550 g			
PET-Line | 3000-6000		5350 g			
PET-Line | 4000-4000		3550 g			
PET-Line | 4000-6000		5350 g			
PET-Line | 4000-7300		6600 g			
PET-Line | 5000-6000		5350 g			
PET-Line | 5000-7300		6600 g			

PET-Line | 3000-6000

Clamping unit		3000
Clamping force	kN	3000
Distance between tiebars (h x v)	mm	785 x 785
Tie bar diameter	mm	115
Opening stroke	mm	480
Mould hight, min. - max.	mm	555 - 1055
Mould weight, max.	[4] kg	5800
Mould fastening bolts		M24
Mould weight moving side max.	[4] kg	2000
Ejector stroke	mm	175
Ejector force	kN	80
"High Force" ejector force /stroke	kN/ mm	608 / 20
Lock-to-Lock Time	[1] s	~ 1.9

Injection Unit		6000
Screw diameter	mm	135
Nozzle diameter	mm	32 / 38
Nozzle contact surface radius	mm	38 / 45
Injection piston diameter	mm	135
Injection pressure	[1] bar	1235
Shot weight, max.	[3] g	5350
Throughput, max.	[3] kg/h	1220

Electrical Connection		CE	UL
Power supply 1 / 2	V	400 / -	400 / 480
Frequency 1 / 2	Hz	50 / -	60 / 60
Main power cross section 1	mm^2	3P+N+PE 2x95	3P+N+PE 2x50
Main power cross section 2	mm^2	-	3P+PE 2x50
Main power 1 / 2	kW	346 / -	139 / 207
Protection class, IEC 60529 / UL50		IP54 / Typ 3	IP54 / Typ 3

General	Layout	
Weight Injection side	t	17.01
Weight clamping side (without mould)	t	14.75
Weight post cooling and housing	t	3.70
Take-out gripper load, max.	kg	190
Total length	m	10.66
Total width	m	4.14
Total height	m	3.01
Oil filling	l	840
Oil quality	[6]	HLP 46, DIN 51524-2

Cooling Circuit 1: Mould / Take-out		
Inlet temperature	°C	12
Inlet pressure, max.	bar	6.5
Pressure drop, min.	bar	5
Flow rate, max.	[5] m^3/h	75 - 80
Flange connection		2 x DN 50, 2 x 2"

Cooling Circuit 2: Machine		
Inlet temperature, max.	[2] °C	30 / 35
Flow rate, max.	[2] m^3/h	7.2 / 3.5
Inlet pressure	bar	5 - 6
Pressure drop, min.	bar	2
Female thread	inch	G 1 1/4

Compressed Air		
Inlet pressure	bar	8 - 10
Flow rate, max.	[1] Nm^3/h	75 - 90
Hose connection	inch	1

[1] depending on preform, mould & process
[2] with Option "Water inlet temperature warm"
[3] PET with IV 0.8
[4] heavier mould weights on request
[5] depending on mould
[6] zinc-free