

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 | 4000-6000

Clamping unit		4000
Clamping force	kN	4000
Distance between tiebars (h x v)	mm	928 x 928
Tie bar diameter	mm	125
Opening stroke	mm	530
Mould hight, min. - max.	mm	555 - 1175
Mould weight, max.	⁴⁾ kg	7000
Mould weight moving side max.	⁴⁾ kg	2400
Ejector stroke	mm	200
Ejector force	kN	118
"High Force" ejector force /stroke	kN/ mm	1216 / 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

General		
Weight Injection side	t	17.01
Weight clamping side (without mould)	t	19.41
Weight post cooling and housing	t	3.95
Take-out gripper load, max.	kg	250
Total length	m	11.06
Total width	m	4.39
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	6 - 12
Inlet pressure, max.	bar	10
Pressure drop, min.	bar	5
Flow rate, max.	⁵⁾ m ³ /h	80 - 90
Flange connection (internal thread)		2 x DN 50, 2 x 2"

Cooling Circuit 2: Machine		
Inlet temperature, max.	²⁾ °C	30 / 35
Flow rate, max.	²⁾ m3/h	7.2 / 3.5
Inlet pressure, max.	bar	10
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 - 110
Hose connection	inch	1

Electrical Connection		IEC	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 2x70
Main power 1 / 2	kW	372 / -	150 / 222
Protection class, IEC 60529 / UL50		IP54 / Typ 3	IP54 / Typ 3

¹⁾ depending on preform, mould & process

²⁾ with Option "Water inlet temperature 35C"

³⁾ PET with IV 0.8

⁴⁾ heavier mould weights on request

⁵⁾ depending on mould

⁶⁾ zinc-free

TS-PPF 304 (Ver.9.3)

Subject to technical alterations