

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		3550 g			
PET-Line 3000-6000	Shot weight in PET	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 | 5000-7300

Clamping unit		5000
Clamping force	kN	5000
Distance between tiebars (h x v)	mm	1028 x 1128
Tie bar diameter	mm	145
Opening stroke	mm	530
Mould height, min. - max.	mm	550 - 1395
Mould weight, max.	⁴⁾ kg	8900
Mould fastening bolts		M24
Mould weight moving side max.	⁴⁾ kg	3000
Ejector stroke	mm	200
Ejector force	kN	118
"High Force" ejector force /stroke	kN/ mm	1216 / 20
Lock-to-Lock Time	¹⁾ s	~ 2.1

Injection Unit		7300
Screw diameter	mm	150
Nozzle diameter	mm	32 / 38
Nozzle contact surface radius	mm	38 / 45
Injection piston diameter	mm	150
Injection pressure	¹⁾ bar	1210
Shot weight, max.	³⁾ g	6600
Throughput, max.	³⁾ kg/h	1600

Electrical Connection		CE	UL
Power supply 1 / 2	V	400 / 400	400 / 480
Frequency 1 / 2	Hz	50 / 50	60 / 60
Main power cross section 1	mm ²	3P+N+PE 2x70	3P+N+PE 2x70
Main power cross section 2	mm ²	3P+PE 2x120	3P+PE 2x95
Main power 1 / 2	kW	196 / 294	196 / 294
Protection class, IEC 60529 / UL50		IP54 / Typ 3	IP54 / Typ 3

General	<u>Layout</u>	
Weight Injection side	t	19.59
Weight clamping side (without mould)	t	25.60
Weight post cooling and housing	t	4.40
Take-out gripper load, max.	kg	300
Total length	m	12.61
Total width	m	4.76
Total height	m	2.95
Oil filling	l	840
Oil quality	⁶⁾	HLP 46, DIN 51524-2

Cooling Circuit 1: Mould / Take-out		
Inlet temperature	°C	8
Inlet pressure, max.	bar	6.5
Pressure drop, min.	bar	5
Flow rate, max.	⁵⁾ m ³ /h	85 - 95
Flange connection		2 x DN 50, 2 x 2"

Cooling Circuit 2: Machine		
Inlet temperature, max.	²⁾ °C	30 / 35
Inlet pressure	bar	5 - 6
Pressure drop, min.	bar	2
Flow rate, max.	²⁾ m ³ /h	6 / 13.2
Female thread	inch	G 1 1/4

Compressed Air		
Inlet pressure	bar	8 - 10
Flow rate, max.	¹⁾ Nm ³ /h	90 - 120
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

TS-PPF 302 Ver.8.5

Subject to technical alterations