

Fast, Efficient, and Stable

Optimized for High-Velocity Output

Designed for maximum production throughput. The synergy of a responsive control system and robust mechanics ensures higher hourly output, directly enhancing production efficiency.

Sustainable Energy Consumption

An efficient design reduces overall power consumption without compromising output. Intelligent power management minimizes energy waste, resulting in direct and measurable reductions in operational costs.

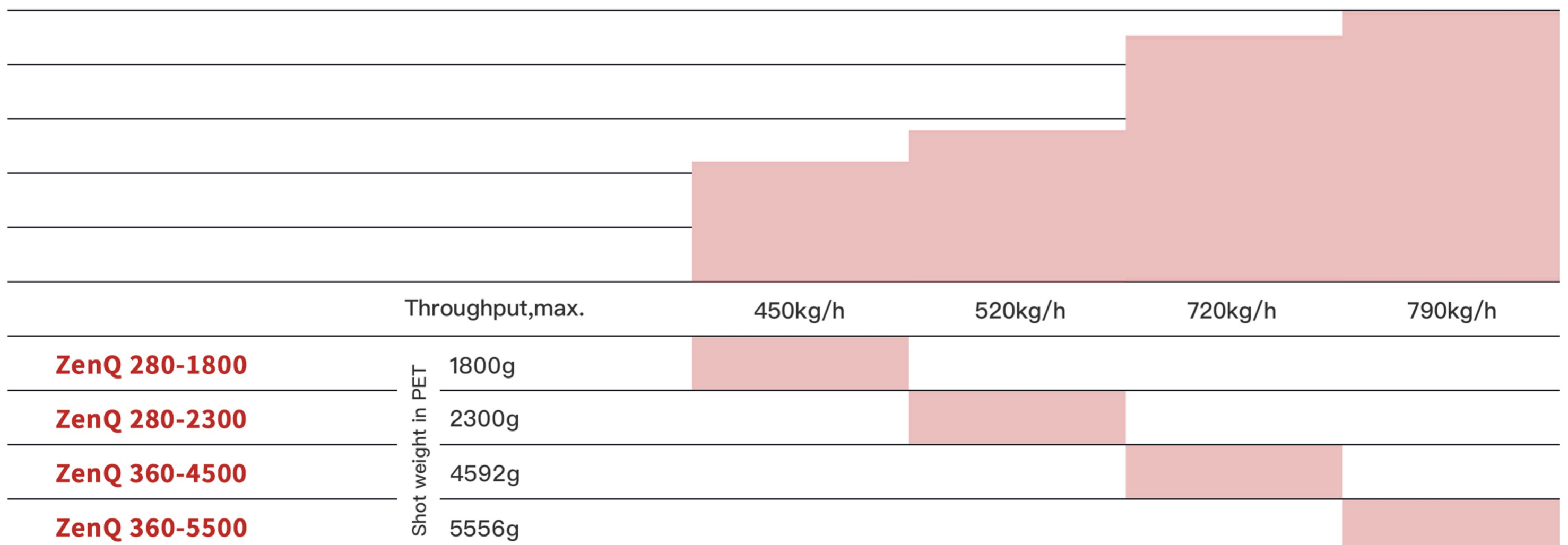
Unwavering Operational Stability

Built upon a heavy-duty, vibration-dampening machine frame for exceptional reliability. This solid foundation guarantees consistent part quality and maximum machine uptime, even during continuous 24/7 operation.



Symbol image (series)

Product comparison



ZenQ 360-4500

Clamping Unit

3600

Clamping force	kN	3600
Distance between tiebars (h x v)	mm	730X750
Ejector stroke	mm	200
Opening stroke	mm	725
Mould height (min. – max.)	mm	450–810
Tie bar diameter	mm	125
Ejector force	kN	150
"High Force" ejector force /stroke	kN/ mm	123
Mould weight, max.	⁴⁾ kg	3000
Mould weight moving side max.	⁴⁾ kg	1500

Injection Unit

4592

Screw diameter	mm	100
Nozzle diameter	mm	30
Nozzle contact surface radius	mm	35
Injection pressure	¹⁾ bar	141
Shot weight, max.	³⁾ g	4592
Throughput, max.	³⁾ kg/h	720

General

Lock-to-Lock Time	s	3.8
Weight Injection side	t	8.85
Weight clamping side (without mold)	t	12
Weight post cooling and housing	t	3
Take-out gripper load, max.	kg	200
Total length	m	12
Total width	m	4.5
Total height	m	2.5
Oil filling	l	750
Oil quality		HLP 46, DIN 51524-2

Cooling Circuit 1: Mold / Take-out

Inlet temperature	°C	10
Inlet pressure, max.	bar	10
Pressure drop, min	bar	2
Flow rate, max	⁵⁾ m ³ /h	85
Flange connection (internal thread)		2 x DN 50, 2 x 2"

Cooling Circuit 2: Machine

Inlet temperature	²⁾ °C	35
Flow rate	²⁾ m ³ /h	25
Inlet pressure, max.	bar	5
Pressure drop, min	bar	2
Female thread	inch	G 1 1/4

Compressed Air

Inlet pressure	bar	10
Flow rate, max.	¹⁾ Nm ³ /h	30
Hose connection	inch	1.5

Electrical connection

Power supply 1 / 2	V	380
Frequency 1 / 2	Hz	50/60
Main power cross section 1	mm ²	90
Main power cross section 2	mm ²	35
Main power 1 / 2	kW	270
Main power 1 / 2 (mold)	kW	75
Protection class, IEC 60529 / UL50		IP54 / Typ 3

¹⁾ depending on preform, mold & process

³⁾ PET with IV 0.8

⁵⁾ depending on mold

²⁾ with Option "Water inlet temperature 35C"

⁴⁾ heavier mould weights on request

Subject to technical alterations