

# 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.

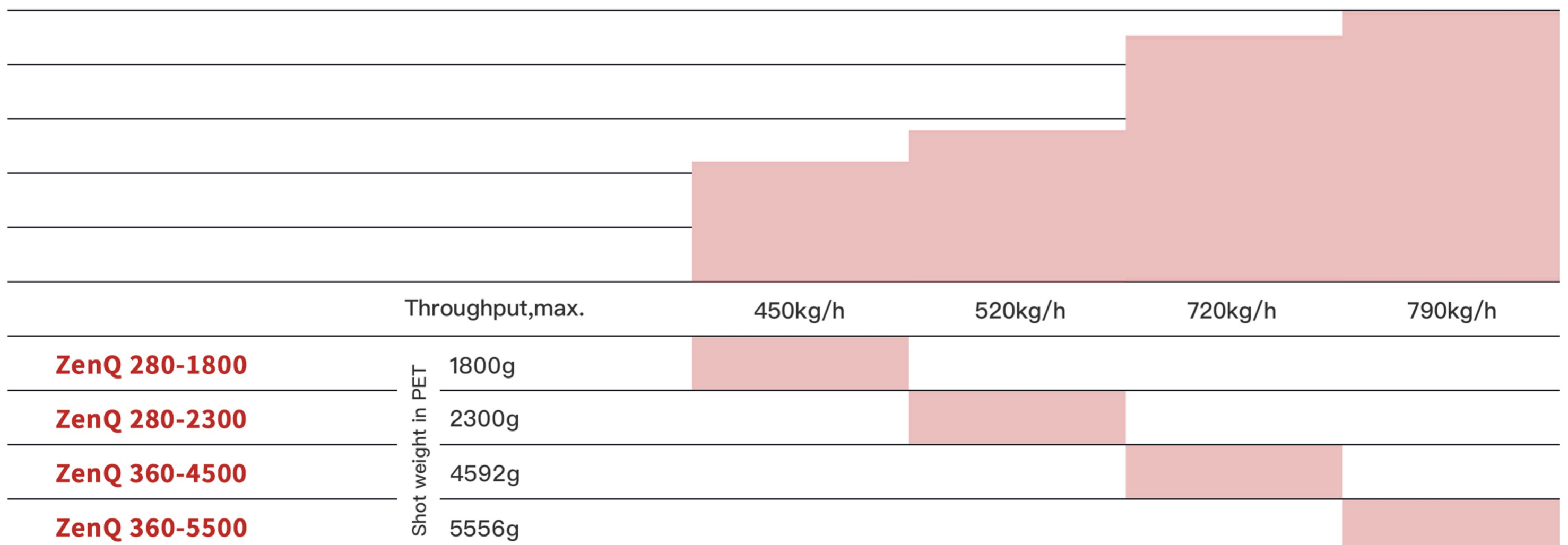
## Unwavering Operational Stability

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 360-5500

## 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.                 | <sup>4)</sup> kg | 3000    |
| Mould weight moving side max.      | <sup>4)</sup> kg | 1500    |

## Injection Unit

**5556**

|                               |                    |      |
|-------------------------------|--------------------|------|
| Screw diameter                | mm                 | 110  |
| Nozzle diameter               | mm                 | 30   |
| Nozzle contact surface radius | mm                 | 35   |
| Injection pressure            | <sup>1)</sup> bar  | 116  |
| Shot weight, max.             | <sup>3)</sup> g    | 5556 |
| Throughput, max.              | <sup>3)</sup> kg/h | 790  |

## 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                      | <sup>5)</sup> m <sup>3</sup> /h | 85                |
| Flange connection (internal thread) |                                 | 2 x DN 50, 2 x 2" |

## Cooling Circuit 2: Machine

|                      |                                 |         |
|----------------------|---------------------------------|---------|
| Inlet temperature    | <sup>2)</sup> °C                | 35      |
| Flow rate            | <sup>2)</sup> m <sup>3</sup> /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. | <sup>1)</sup> Nm <sup>3</sup> /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 <sup>2</sup> | 90           |
| Main power cross section 2         | mm <sup>2</sup> | 35           |
| Main power 1 / 2                   | kW              | 270          |
| Main power 1 / 2 (mold)            | kW              | 75           |
| Protection class, IEC 60529 / UL50 |                 | IP54 / Typ 3 |

<sup>1)</sup> depending on preform, mold & process

<sup>3)</sup> PET with IV 0.8

<sup>5)</sup> depending on mold

<sup>2)</sup> with Option "Water inlet temperature 35C"

<sup>4)</sup> heavier mould weights on request

Subject to technical alterations