



Cold Chamber

# NEX Series

Renewed injection group,  
state-of-the-art HMI software  
safe and ergonomic protections.

[colosiopresse.it](http://colosiopresse.it)



EN

## NEX series - Cold Chamber

### Ergonomics, precision, and reliability

The NEX die casting machine series differs from the traditional PFO series as it is equipped with a renewed injection system, a state-of-the-art HMI software, and enhanced safety and ergonomic protections.



#### The new NEX series offers:

##### 1. RENEWED INJECTION UNIT

Regenerative energy system, extreme precision in injection phase control, servo-valves for real-time control of speed and pressure, digital injection lift.

##### 2. INCREASED SAFETY AND SIMPLIFIED MAINTENANCE

Closing group protections ensured by high-precision photocells and accessibility to maintenance areas free from obstructions. Increased safety and simplified maintenance.

##### 3. REDUCED FOOTPRINT AND IMPROVED ERGONOMICS

Analysis and study of components and materials have allowed the development of a more compact machine with improved ergonomics for the operator.

##### 4. GREEN AND SUSTAINABLE

The integration with the GREENLINE system is comprehensive, resulting in minimal power consumption and a significant reduction in the water required for cooling.

##### 5. STATE-OF-THE-ART CONTROL SYSTEM

State-of-the-art, intuitive HMI (Human-Machine Interface) featuring a 24" touchscreen and KeWheel control for machine movement management.

HMI System  
Touch control and KeWheel input



NEX Series

# NEX series - Cold Chamber

## Technical features

Technical features	U.M.	NEX 75	NEX 100
<b>Clamping force</b>	KN	7358	9810
<b>Max. Injection force</b>	KN	710	822
<b>Min. Injection force</b>	KN	247	283
<b>Central ejection force</b>	KN	372	398
<b>Min die height</b>	mm	400	450
<b>Max die height</b>	mm	950	1000
<b>Max. moving platen stroke</b>	mm	750	880
<b>Min. moving platen stroke</b>	mm	400	530
<b>Injection stroke</b>	mm	650	700
<b>Central ejection stroke</b>	mm	170	200
<b>Platens dimensions</b>	mm	1270 × 1270	1410 × 1410
<b>Distance between tie-bars</b>	mm	800	900
<b>Tie-bars diameter</b>	mm	170	190
<b>Max shot weight (AL)</b>	Kg	10,3	13
<b>Max projected area (400 kg/cm<sup>2</sup>)</b>	cm <sup>2</sup>	1875	2500
<b>Casting cycles (empty)</b>	N°/1'	6	6
<b>Machine weight</b>	Kg	34280	42685
<b>Overall dimensions (Width - Length - Height)</b>	mm	2840 × 8313 × 3019	2980 × 8891 × 3079



[colosipresse.it](http://colosipresse.it)

**COLOSIO S.r.l.**

Via Caduti Piazza Loggia, 33  
 25082 Botticino Sera (Bs) Italy  
 Tel. +39 030 2692181  
[info@colosipresse.it](mailto:info@colosipresse.it)